

# **Venus High School**



**Course Description Catalog  
2020-2021**

# GRADUATION REQUIREMENTS

## **How to Use this Guide**

This course description guide is provided for the convenience of parents and students in selecting courses for high school. The grade level indicated represents the normal progression of courses. Students may enroll for a course at a different grade level provided the prerequisite has been met.

## **Graduation Requirements**

Students who entered 9<sup>th</sup> grade in 2014 or are not yet in high school will graduate on the Texas Foundation plan. All entering freshmen will be registered for at least one endorsement in addition to the foundation plan requirements; endorsement may be changed if a new endorsement can be completed. All endorsements and performance acknowledgements will be indicated on a student's transcript.

## **STAAR EOC Requirements for High School Students**

High school students will be required to pass five (5) End of Course (EOC) Assessments. The 5 EOC Assessments are: English I, English II, Algebra I, Biology, and US History.

# Graduation Programs

## For students entering 9<sup>th</sup> grade in 2014-2015 or after

Venus High School students will pursue the Foundation High School Program with an Endorsement with Distinguished Achievement. Venus High School endorsements are identified on the next page.

Foundation HS Program		Foundation HS Program with Endorsement(s)		Distinguished Level of Achievement	
Subject Areas	Credits	Subject Areas	Credits	Subject Areas	Credits
<b>English</b>	4	<b>English</b>	4	<b>English</b>	4
<b>Mathematics</b> (including Algebra I, Geometry, and an advanced math course)	3	<b>Mathematics</b> (including Algebra I, Geometry, and two advanced math courses)	4	<b>Mathematics</b> (including Algebra I, Geometry, Algebra II and one advanced math course)	4
<b>Science</b> (Biology, IPC and one advanced science course OR Biology and two advanced science courses)	3	<b>Science</b> (Biology, IPC and two advanced science courses OR Biology and three advanced science courses)	4	<b>Science</b> (Biology, IPC and two advanced science courses OR Biology and three advanced science courses)	4
<b>Social Studies</b> (World Geography or World History, US History, Government and Economics)	3	<b>Social Studies</b> (World Geography or World History, US History, Government and Economics)	3	<b>Social Studies</b> (World Geography or World History, US History, Government and Economics)	4
<b>Physical Education*</b>	1	<b>Physical Education*</b>	1	<b>Physical Education*</b>	1
<b>Languages Other than English</b>	2	<b>Languages Other than English</b>	2	<b>Languages Other than English</b>	2
<b>Fine Arts</b>	1	<b>Fine Arts</b>	1	<b>Fine Arts</b>	1
<b>Electives</b>	5	<b>Electives</b> (including endorsement courses)	7	<b>Electives</b> (including endorsement courses)	6
<b>Total Credits:</b>	<b>22</b>	<b>Total Credits Required</b>	<b>26</b>	<b>Total Credits Required</b>	<b>26</b>

\*Credit for PE courses may be earned through participation in athletics or 2 years marching band.

**A student must earn the Distinguished Achievement to be eligible for top 10% distinction and automatic college admission.**

A student may graduate under the foundation high school program without an endorsement, if, after the student's sophomore year, a committee including the student, the students' parent, and the counselor determine that it is in the best interest of the student to bypass the benefits of graduating with an endorsement.

A student served by an ARD committee may also graduate without an endorsement.

## Venus High School Graduation Programs Class of 2018 and Later – Endorsements

<b>Endorsement Areas</b>	
<b>STEM</b>	<p>Student must take the Foundation curriculum including Algebra II, Chemistry and Physics and ONE of the following:</p> <ul style="list-style-type: none"> <li>● One additional math credit for which Algebra II is a prerequisite</li> <li>● One additional science credit</li> <li>● Engineering</li> </ul>
<b>Business and Industry</b>	<p>Students must take the Foundation curriculum and a coherent sequence of four credits in ONE of the following programs of study:</p> <ul style="list-style-type: none"> <li>● Agriculture – Animal Science</li> <li>● Manufacturing - Welding</li> <li>● Business, Marketing &amp; Finance</li> <li>● Arts, Audio/Video Technology &amp; Communication</li> <li>● Informational Technology</li> </ul>
<b>Public Services</b>	<p>Students must take the Foundation curriculum and a coherent sequence of four credits in:</p> <ul style="list-style-type: none"> <li>● Human Services</li> </ul>
<b>Arts &amp; Humanities</b>	<p>Students must take the Foundation curriculum and ONE of the following:</p> <ul style="list-style-type: none"> <li>● Psychology</li> <li>● Four levels of Spanish</li> <li>● Four consecutive years of one of the following: <ul style="list-style-type: none"> <li>★ Band</li> <li>★ Art</li> <li>★ Theater Art</li> <li>★ Theater Production</li> <li>★ Technical Theater</li> </ul> </li> </ul>
<b>Multidisciplinary Studies</b>	<p>Students must take the Foundation curriculum and ONE of the following:</p> <ul style="list-style-type: none"> <li>● Four credits in each of the four subject areas to include English IV and Chemistry and/or Physics</li> <li>● 12 college credit hours with a 3.0 or higher</li> </ul>

## Venus High School Graduation Programs

### Class of 2018 and Later – Performance Acknowledgements

A student may earn a performance acknowledgement for outstanding performance in:

- **Dual Credit courses** – at least 12 college hours with a grade of at least 3.0 on a 4.0 scale.
- **Bilingualism and Biliteracy** – minimum GPA in English courses and satisfying ONE of the following: At least three credits in the same language other than English with at least an 80 average **OR** a student who was exited from English as a Second Language Program and scored Advanced High on the TELPAS.
- **AP Placement Test** - a score of 3 or above on a College Board advanced placement test.
- **PSAT, ACT, SAT** – must score the following on one of these exams: PSAT/NMSQT score that qualifies a student for recognition as a commended scholar or higher, or recognized as a National Hispanic Scholar or National Achievement Scholar **OR** earning a composite score of 28 on the ACT examination **OR** earning a combined critical reading and mathematics score of at least 1250 on the SAT
- **Nationally or internationally recognized business or industry certificate:** Qualification for an APPROVED federal, state, or industry certification or license related to the student’s program of study. An approved list will be provided by the Texas Education Agency.

The following courses are identified as honors classes as referred to in the Texas Education Code, §33.081 (d)(1), concerning extracurricular activities:

- (1) All College Board advanced placement courses and International Baccalaureate courses in all disciplines;
- (2) English language arts: high school/college concurrent enrollment classes that are included in the “Community College General Academic Course Guide Manual”;
- (3) Languages other than English: high school/college concurrent enrollment classes that are included in the “Community College General Academic Course Guide Manual,” and languages other than English courses Levels IV-VII;
- (4) Mathematics: high school/college concurrent enrollment classes that are included in the “Community College General Academic Course Guide Manual,” and Precalculus;
- (5) Science: high school/college concurrent enrollment classes that are included in the “Community College General Academic Course Guide Manual”; and
- (6) Social Studies: Social Studies Advanced Studies, Economics Advanced Studies, and high school/college concurrent enrollment classes that are included in the “Community College General Academic Course Guide Manual.”
- (7) Other honors courses identified by the district in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English and must be identified prior to the semester in which any exemptions related to extracurricular activities occur.

# ENGLISH

## **READING**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

Reading offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas.

## **ENGLISH I**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

This course covers grammar, literature, composition, vocabulary development, and spelling. Development of reading skills, writing, and language concepts are stressed. Students focus on literary and informational pieces including plays, novels, and poetry and develop writing skills through multiple compositions.

## **ENGLISH I HONORS**

**GPA Scale: 5.0**

**Prerequisite: None**

**Credits: 1**

Honors English I offers a high degree of rigor designed to prepare the student for success. The course explores thematic units through a variety of genres and in depth study of literature, vocabulary, composition, and grammar, with an emphasis on literary analysis and research. Students are task oriented, proficient readers, and able to prioritize their time and maintain an organizational system. Motivation and appreciation of literature are essential to be successful in the Honors English I course.

## **ENGLISH II**

**GPA Scale: 4.0**

**Prerequisite: English I**

**Credits: 1**

This course introduces a variety of literary forms and continues skill development in language, reading, and composition. Curriculum includes a study of the short story and a grammar review focusing on parts of a sentence, punctuation, usage, sentence structure, and composition. Reading assignments emphasize literary and informational pieces including poetry, novels, and essays. Literary analysis, research skills, and vocabulary development will be stressed.

## **ENGLISH II HONORS**

**GPA Scale: 5.0**

**Prerequisite: English I**

**Credits: 1**

Honors English II offers a high degree of rigor designed to prepare the student for success and specifically prepares them for the challenge of college coursework. Following English II, students may choose to enroll in Dual Credit English. The English II course explores thematic units through a variety

of genres and in depth study of literature, vocabulary, composition, and grammar, with an emphasis on literary analysis and research. Additionally, students explore the genre of persuasion through critical readings of persuasive text and construction of original persuasive compositions. Students are task oriented, proficient readers, and able to prioritize their time and maintain an organizational system. Motivation and appreciation of literature are essential to be successful in the Honors English II course.

### **ENGLISH III**

**GPA Scale: 4.0**

**Prerequisite: English II**

**Credits: 1**

This course is a chronological survey of American literature from the beginning of history in the United States through contemporary times. It coordinates literature, composition, grammar, and vocabulary through representative readings from historical documents, essays, dramas, short stories, and novels of significant American writers.

### **ENGLISH IV**

**GPA Scale: 4.0**

**Prerequisite: English III**

**Credits: 1**

This course focuses on language, composition, and British literature. It includes an intensive study of vocabulary, sentence structure, and multi-paragraph compositions. This course provides the critical reading and writing skills necessary for college and the workforce.

### **PROFESSIONAL COMMUNICATION (SPEECH)**

**GPA Scale: 4.0**

**Prerequisite: none**

**Credits: 0.5**

This course will focus on identifying, analyzing, developing, and evaluating communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

### **ADVANCED JOURNALISM: YEARBOOK I, II, III, IV**

**GPA Scale: 4.0**

**Prerequisite: English I, II, and III unless taken as an elective**

**Credits: 1**

Students enrolled in Journalism write in a variety of forms for a variety of audiences and purposes and are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing. Students will develop the school yearbook and other publications. Advanced Journalism: Yearbook III qualifies as an advanced English course.

### **DEBATE I, II, III**

**GPA Scale: 4.0**

**Prerequisite: English I, II, and III unless taken as an elective**

**Credits: 1**

Controversial issues arise in aspects of personal, social public, and professional life in modern society. Debate and argumentation are widely used to make decisions and reduce conflict. Students who develop skills in argumentation and debate become interested in current issues, develop sound critical

thinking, and sharpen communication skills. They acquire life-long skills for intelligently approaching controversial issues. Debate III qualifies as an advanced English course.

**ADVANCED PLACEMENT LANGUAGE AND COMPOSITION (Available 2022-2023)**

**GPA Scale: 5.0**

**Prerequisite: English I, English II**

**Credits: 1**

Students in this introductory college-level course read and carefully analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and historical contexts. Students examine and work with essays, letters, speeches, images, and imaginative literature. To earn college credit, students must take the Advanced Placement Language and Composition exam, and credit is determined by the student's score and the parameters of the college the student chooses to attend.

**ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION  
(Available 2023-2024)**

**GPA Scale: 5.0**

**Prerequisite: English I, English II, English III or equivalent course**

**Credits: 1**

Advanced Placement Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. To earn college credit, students must take the Advanced Placement English Literature and Composition exam, and credit is determined by the student's score and the parameters of the college the student chooses to attend.



# MATHEMATICS

## **ALGEBRA I**

**GPA Scale: 4.0**

**Prerequisite: 8th Grade Mathematics**

**Credits: 1**

This course will emphasize the study of linear functions. Students will use functions to represent, model, analyze, and interpret relationships in problem situations. Topics include graphing, solving equations and inequalities, and systems of linear equations. Quadratic and nonlinear functions will be introduced.

## **GEOMETRY**

**GPA Scale: 4.0**

**Prerequisite: Algebra I**

**Credits: 1**

Relations, properties, and measurement of surfaces, lines, and angles in one, two, and three-dimensional figures are investigated and used in this course. It is designed to develop deductive reasoning and to emphasize problem solving using informal proofs and definitions while integrating algebraic concepts.

## **GEOMETRY HONORS**

**GPA Scale: 5.0**

**Prerequisite: Algebra I**

**Credits: 1**

Relations, properties, and measurement of surfaces, lines, and angles in one, two, and three-dimensional figures are investigated and used in this course. It is designed to develop deductive reasoning and to emphasize problem solving using informal proofs and definitions while integrating algebraic concepts. The content of Honors Geometry may be covered at a faster pace and in more depth. Students are expected to apply concepts of geometry in real-world situations.

## **ALGEBRAIC REASONING**

**GPA Scale: 4.0**

**Preferred Prerequisite: Algebra I**

**Credits: 1**

This course will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets.

**ALGEBRA II****GPA Scale: 4.0****Prerequisite: Algebra I****Recommended Prerequisite: Geometry****Credits: 1**

This course is a continuation of the topics studied in Algebra I. It will develop the real number system and will include a study of the complex numbers as a mathematical system. Students will study the ideas of relations and functions and expand the concept of functions to include quadratic, square root, exponential and logarithmic functions, and rational numbers. Emphasis will also be placed on the development of additional real life problem solving skills and applications. Students must successfully complete Algebra II prior to taking a higher math class.

**ALGEBRA II HONORS****GPA Scale: 5.0****Prerequisite: Algebra I****Recommended Prerequisite: Geometry****Credits: 1**

This course is a continuation of the topics studied in Algebra I. It will develop the real number system and will include a study of the complex numbers as a mathematical system. Students will study the ideas of relations and functions and expand the concept of functions to include quadratic, square root, exponential and logarithmic functions, and rational numbers. Emphasis will also be placed on the development of additional real life problem solving skills and applications. The content of Honors Algebra II may be covered at a faster pace and in more depth. Students should leave Algebra II Honors prepared for Honors PreCalculus or College Algebra.

**PRE-CALCULUS****GPA Scale: 4.0****Recommended Prerequisite: Algebra I, Geometry, Algebra II****Credits: 1**

This course will emphasize the study of polynomial, radical, exponential, logarithmic, and trigonometric functions. Functions, equations, and limits will be used as useful tools for expressing generalizations and as a means for analyzing and understanding a broad variety of mathematical relationships. Functions, as well symbolic reasoning, will be used to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations.

**PRE-CALCULUS HONORS****GPA Scale: 5.0****Prerequisite: Algebra I, Geometry, Algebra II****Credits: 1**

This course will emphasize the study of polynomial, radical, exponential, logarithmic, and trigonometric functions. Functions, equations, and limits will be used as useful tools for expressing generalizations and as a means for analyzing and understanding a broad variety of mathematical relationships. Functions, as well symbolic reasoning, will be used to represent and connect ideas in geometry, probability, statistics, trigonometry, and calculus and to model physical situations. The content of Honors Pre-Calculus may move at a faster pace and cover topics more in depth. Students should leave Honors Pre-Calculus prepared for College Algebra and other advanced mathematics courses. Motivation and a proactive attitude are essential for success in this course.

**STATISTICS****GPA Scale: 4.0****Prerequisite: Algebra I, Geometry, Algebra II****Credits: 1**

In Statistics, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

**ADVANCED PLACEMENT CALCULUS AB (Available 2022-2023)****GPA Scale: 5.0****Prerequisite: Algebra I, Geometry, Algebra II, Pre-Calculus****Credits: 1**

AP Calculus is a college-level calculus course designed to meet the Advanced Placement curricular requirements for Calculus AB (equivalent to a one-semester college course). The major topics of this course are limits, derivatives, integrals, and the Fundamental Theorem of Calculus. The course includes the investigation and analysis of course topics using equations, graphs, tables, and words, with a particular emphasis on a conceptual understanding of calculus. Applications, in particular to solid geometry and physics, will be studied where appropriate. The AP Calculus course is designed to be the equivalent of a first-semester college calculus course. To earn college credit, students must take the Advanced Placement Calculus AB exam, and credit is determined by the student's score and the parameters of the college the student chooses to attend.

# SCIENCE

## **BIOLOGY**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

This course provides a general knowledge of the natural order of living organisms and their relationship with the environment. Areas of study will include the systems and ecology. Laboratory procedures, observation, measurement, classification, prediction, and reporting skills will be emphasized.

## **BIOLOGY HONORS**

**GPA Scale: 5.0**

**Prerequisite: None**

**Credits: 1**

This course provides a general knowledge of the natural order of living organisms and their relationship with the environment. Areas of study will include the systems and ecology. Laboratory procedures, observation, measurement, classification, prediction, and reporting skills will be emphasized. This class will teach students how to write a formal lab report, gather data, analyze data through lab based instruction, and have student led instruction which will lead to problem solving skills. It will also be formulating hypotheses and applying information learned to understand biological theories.

## **INTEGRATED PHYSICS AND CHEMISTRY (IPC)**

**GPA Scale: 4.0**

**Prerequisite: none**

**Credits: 1**

Integrated Physics and Chemistry (IPC) is a study of the physical aspects of the world. Topics will include properties of matter, atomic structure, the periodic table, motion, energy, forces, work, machines and electricity. A large portion of this course will consist of laboratory and demonstrations. Integrated Physics & Chemistry (IPC) may be taken as one of the science credits, but if selected, it **MUST** be successfully completed prior to Chemistry and Physics.

## **CHEMISTRY**

**GPA Scale: 4.0**

**Prerequisite: one unit of HS science and Algebra I**

**Credits: 1**

This course covers the fundamental concepts of physical chemistry. This is a college preparatory class for students planning to attend a 4-year college/university. Students will be required to use higher level thinking skills and math applications to solve problems related to the properties of elements, compounds and mixtures, atomic structure, chemical bonding, chemical equations and stoichiometry.

## **CHEMISTRY HONORS**

**GPA Scale: 5.0**

**Prerequisite: one unit of HS science and Algebra I**

**Credits: 1**

This course covers the fundamental concepts of physical chemistry. This is a college preparatory class for students planning to attend a 4-year college/university. Students will be required to use higher level thinking skills and math applications to solve problems related to the properties of elements,

compounds and mixtures, atomic structure, chemical bonding, chemical equations and stoichiometry. This class will teach students how to write a formal lab report, gather data, analyze data through lab based instruction, and have student led instruction which will lead to problem solving skills. It will also be formulating hypotheses and applying information learned to understand chemistry theories.

### **PHYSICS**

**GPA Scale: 4.0**

**Recommended Prerequisite: Algebra I**

**Credits: 1**

This 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 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.

### **PHYSICS HONORS**

**GPA Scale: 5.0**

**Recommended Prerequisite: Algebra I**

**Credits: 1**

This 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 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. This class will teach students how to write a formal lab report, gather data, analyze data through lab based instruction, and have student led instruction which will lead to problem solving skills. It will also be formulating hypotheses and applying information learned to understand physics theories.

### **ENVIRONMENTAL SYSTEMS**

**GPA Scale: 4.0**

**Recommended Prerequisite: Biology, Chemistry, & Physics**

**Credits: 1**

This course is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which they live. Students will learn about technological developments, which have created environmental problems, as well as technology that is helping to solve them. This program provides one way in which students can become more aware of the interaction of people and their environment. Laboratory and fieldwork will be afforded to enhance learning.

### **ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS**

**GPA Scale: 4.0**

**Recommended Prerequisite: Biology, Chemistry, & Physics**

**Credits: 1**

Students will study the structures and functions of the human body systems. Students will do a comparative study of mammals with an in depth dissection of the cat. Human development, maintenance of homeostasis, transport systems and energy processes will also be topics of study. As part of the laboratory investigative process, students will be active in the dissection of prepared specimens.

**ASTRONOMY****GPA Scale: 4.0****Prerequisite: Biology and Chemistry****Credits: 1**

In this online course, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. This course will be taught in an online format. Students must be motivated and self directed to complete the work.

**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE****GPA Scale: 5.0****Prerequisite: Biology and Chemistry****Credits: 1**

The goal of this course is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, and to evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. To earn college credit, students must take the Advanced Placement Environmental Science exam, and credit is determined by the student's score and the parameters of the college the student chooses to attend.

**ADVANCED PLACEMENT BIOLOGY (Available 2021-2022)****GPA Scale: 5.0****Prerequisite: Biology and Chemistry****Credits: 1**

The course is designed around the AP Biology Curriculum Framework that focuses on the major concepts in biology and their connections. Additionally, the Curriculum Framework provides a basis for students to develop a deep conceptual understanding as well as opportunities to integrate biological knowledge and the science practices through inquiry-based activities and laboratory investigations without having to teach a textbook from cover to cover. The course focuses on enduring, conceptual understandings and the content that supports them. This approach will enable students to spend less time on factual recall and more time on inquiry-based learning of essential concepts, and will help them develop the reasoning skills necessary to engage in the science practices used throughout their study of AP Biology. The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course, and credit is determined by the student's score and the parameters of the college the student chooses to attend.

# SOCIAL STUDIES

## **WORLD GEOGRAPHY**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

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. Students identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. Students use problem-solving and decision-making skills to ask and answer geographic questions.

## **ADVANCED PLACEMENT HUMAN GEOGRAPHY**

**GPA Scale: 5.0**

**Prerequisite: Successful completion of 8th grade history**

**Credits: 1**

This course is an examination of people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. A significant portion of this course centers around the physical processes that shape landforms, patterns in the physical environment, and the characteristics of major landforms; climates and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; and the distribution and movement of world population. Students will be introduced to historical events that helped shape the demographic and societal characteristics of regions, in an effort to help them better understand the world they live in. Preparation for the Advanced Placement exam is part of this course. To earn college credit, students must take the Advanced Placement Human Geography exam. Credit is determined by the student's score and the parameters of the college the student chooses to attend.

## **WORLD HISTORY**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

This course gives students the opportunity to trace the historical development of human cultures. It traces political, economic, and social experiences of mankind and applies them to the present for understanding and appreciating the roots, developments, and nature of American-Western civilization.

The relationship of Western culture to great world problems involving international civilization will be emphasized.

### **ADVANCED PLACEMENT WORLD HISTORY**

**GPA Scale: 5.0**

**Recommended Prerequisite: None**

**Credits: 1**

This course presents a comprehensive history of the world, allowing students to view history in a global and integrated way. Major facets of the course include the impact of interaction among major societies, relationship of change and continuity, impact of technology and demography on people and the environment, systems of social structure and gender structure, cultural and intellectual developments and interactions, and changes in functions and structures of states and in attitudes toward states and political identities, including the rise of the nation-state. It will afford students the opportunity to read post secondary writings that they will use to analyze time periods they study. Students will also be introduced to methods of post secondary historical writing, as they will use analytical thinking to draft their own historical argumentations. Preparation for the Advanced Placement exam is part of this course. To earn college credit, students must take the Advanced Placement World History exam. Credit is determined by the student's score and the parameters of the college the student chooses to attend.

### **UNITED STATES HISTORY STUDIES SINCE 1877**

**GPA Scale: 4.0**

**Recommended Prerequisite: World History or World Geography**

**Credits: 1**

This course follows the history of America in the 20th century. Emphasis is placed on the problems experienced by an expanding American nation, the strength of her people in war and peace, the development of the United States as a world leader, and the importance of individual rights in a climate of national freedom based on government by constitutional law. These topics are presented in a skills approach to reinforce the basics of critical reading and writing.

### **GOVERNMENT**

**GPA Scale: 4.0**

**Recommended Prerequisite: US History**

**Credits: 0.5**

This course provides the student with an understanding of the functions of the United States, Texas, and local governments. Topics include the foundations and development of the United States governmental system; the purposes, political and economic philosophies of the United States Constitution, Bill of Rights, and Declaration of Independence; the structures and functions of governments at the federal, state and local levels; and responsibilities of American citizenship.

### **ECONOMICS**

**GPA Scale: 4.0**

**Recommended Prerequisite: US History**

**Credits: 0.5**

**Recommended for Grade 12**

This course is designed to familiarize the student with the factors that have influenced the growth and development of the free enterprise system. Emphasis is placed on topics such as unemployment,



inflation, international trade, the interaction of business and labor and the effects of government spending and taxes.

**ADVANCED PLACEMENT PSYCHOLOGY**

**GPA Scale: 5.0**

**Prerequisite: None**

**Credits: 1.0**

This course introduces students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology.

**PERSONAL FINANCIAL LITERACY**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 0.5**

**Recommended for Grades 9 – 12**

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The knowledge gained in this course has far-reaching effects for students personally as well as the economy as a whole. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training. Students analyze the relationship between education and training and earnings potential; evaluate the quality of potential college, postsecondary education, and training courses; evaluate the total cost of these programs; and analyze the advantages and disadvantages of various sources of funds to pay for their education. Students understand that a constitutional republic is a representative form of government whose representatives derive their authority from the consent of the governed, serve for an established tenure, and are sworn to uphold the constitution. Students identify and discuss how the actions of U.S. citizens and the local, state, and federal governments have either met or failed to meet the ideals espoused in the founding documents.

# LANGUAGES OTHER THAN ENGLISH

## **SPANISH I**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

This course is designed to introduce students to the Spanish language and culture. The students will develop skills in listening, speaking, reading, and writing Spanish. Students will explore various aspects of Hispanic culture, heritage, and peoples. Major emphasis is on conversational usage of Spanish in real-life situations.

## **SPANISH I FOR NATIVE SPEAKERS**

**GPA Scale: 4.0**

**Prerequisite: Required score on proficiency test**

**Credits: 1**

This course is designed for students who demonstrate basic proficiency in Spanish in four language domains: speaking, listening, reading, and writing. Students will develop skills in each domain while exploring aspects of Hispanic culture, heritage, and peoples. Major emphasis is on conversational usage of Spanish as well as reading and writing for everyday situations.

## **SPANISH II**

**GPA Scale: 4.0**

**Prerequisite: Spanish I**

**Credits: 1**

This course further develops the skills introduced in Spanish I. The students will be involved in an in-depth study of the spoken language, listening, reading, writing, and literature.

## **SPANISH II FOR NATIVE SPEAKERS**

**GPA Scale: 4.0**

**Prerequisite: Spanish I or required score on proficiency test**

**Credits: 1**

This course is designed for students who demonstrate proficiency in Spanish in four language domains: speaking, listening, reading, and writing. Students will continue to develop skills in each domain while exploring aspects of Hispanic culture, heritage, and peoples. Major emphasis is on communicating in Spanish via reading, writing, and conversation.

## **SPANISH III**

**GPA Scale: 4.0**

**Prerequisite: Spanish II**

**Credits: 1**

This course further develops the skills introduced in Spanish II.

## **LANGUAGES OTHER THAN ENGLISH OPTIONS**

**GPA Scale: 4.0**

**American Sign Language I and II**

**Prerequisite: None**

**Credits: 1**

Students may choose to pursue a language other than English through online coursework in American Sign Language. Students who choose this option must be self-directed learners. This course will be taught in an online format. Students must be motivated and self directed to complete the work.

**ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE****GPA Scale: 5.0****Prerequisite: Spanish I and II or Spanish I and II for Native Speakers****Credits: 1**

The AP Spanish Language and Culture course is a rigorous course taught exclusively in Spanish that requires students to improve their proficiency across the three modes of communication. The course focuses on the integration of authentic resources including online print, audio, and audiovisual resources, as well as traditional print resources that include literature, essays, and magazine and newspaper articles with the goal of providing a rich, diverse learning experience. Students communicate using rich, advanced vocabulary and linguistic structures as they build proficiency in all modes of communication toward the pre-advanced level. To earn college credit, students must take the Advanced Placement Spanish Language and Culture exam. Credit is determined by the student's score and the parameters of the college the student chooses to attend.

**ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE (Available 2021/2022) GPA Scale: 5.0****Prerequisite: Spanish I, Spanish I for Native Speakers, Spanish II, Spanish II for Native Speakers, and Spanish III or equivalent****Credits: 1**

The AP Spanish Literature and Culture course is designed to introduce students to the formal study of a representative body of literature, written in Spanish, from Spain, Latin America and the United States. The course provides students with ongoing and varied opportunities to develop proficiency in Spanish across a full range of skills, with emphasis on critical reading and analytical writing. It also encourages students to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. To earn college credit, students must take the Advanced Placement Spanish Literature and Culture exam. Credit is determined by the student's score and the parameters of the college the student chooses to attend.

# CTE - Career and Technology Education

## Agriculture, Food, and Natural Resources

### **PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

**Recommended for Grades 9, 10, 11, and 12**

This introductory course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

### **LIVESTOCK PRODUCTION**

**GPA Scale: 4.0**

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

**Credits: 0.5**

Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

### **EQUINE SCIENCE**

**GPA Scale: 4.0**

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

**Credits: 0.5**

For careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys and mules.

### **VETERINARY MEDICAL APPLICATIONS**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

For careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the work place, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

### **ADVANCED ANIMAL SCIENCE**

**GPA Scale: 4.0**

**Recommended Prerequisite: All Animal strand courses**

**Credits: 1**

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

**MATHEMATICAL APPLICATIONS IN AGRICULTURE, FOOD, AND NATURAL RESOURCES** GPA Scale: 4.0

**Prerequisite:** Algebra I and Geometry; **Successful completion of 2 CTE: Agriculture, Food, and Natural Resources credits**

**Credits: 1**

Students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. To prepare for careers in agriculture, food, and natural resources, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics. To prepare for success, students need opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts. Math Applications for Agriculture, Food, and Natural Resources may satisfy a third mathematics credit.

## **Agriculture-Mechanical**

**PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES**

**GPA Scale: 4.0**

**Prerequisite:** None

**Credits: 1**

**Recommended for Grades 9, 10, 11, and 12**

This introductory course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

**INTRODUCTION TO WELDING**

**GPA Scale: 4.0**

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

**Credits: 1**

**Recommended Prerequisite:** Algebra I, or taken concurrently

Introduction to Welding will provide an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Introduction to Welding will provide students with the knowledge, skills, and technologies required for employment in welding industries.

**WELDING I**

**GPA Scale: 4.0**

**Prerequisite:** Algebra I, Ag Mech & Metal, Instructor permission

**Credits: 2**

This course provides the knowledge, skills, and technology required for employment in metal technology systems. This course supports the integration of academic and technical knowledge and skills. Students will wire weld as well as use hand and power tools. The plasma cutter and the cutting torch will also be introduced. Students will use measurement, drafting, welding, and metal fabrication skills. Projects may require a lab fee.

**WELDING II****GPA Scale: 4.0****Prerequisite: Welding I****Credits: 2**

Advanced Welding builds on knowledge and skills developed in Welding. Students will develop advanced welding concepts and skills as they relate to personal and career development. This course integrates academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

**Business, Finance, & Marketing****PRINCIPLES OF BUSINESS, MARKETING, & FINANCE****GPA Scale: 4.0****Prerequisite: None****Credits: 1****Recommended for Grades, 9, 10, and 11**

Students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. This course should help students to know which area of business they would like to pursue in high school.

**TOUCH SYSTEM DATA ENTRY (Keyboarding)****GPA Scale: 4.0****Recommended Prerequisite: Principles of Business, Marketing, & Finance****Credits: 0.5****Recommended for Grades 9 and 10**

This course will enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents. Students apply technical skills to address business applications of emerging technologies.

**HUMAN RESOURCES MANAGEMENT****GPA Scale: 4.0****Recommended Prerequisite: Principles of Business, Marketing, & Finance****Credits: 0.5**

Students recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of human resources management, which include recruitment, selection, training, development, and compensation. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of human resources in order to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, financial, ethical, and international dimensions of business to make appropriate human resources decisions.

**BUSINESS INFORMATION MANAGEMENT I****GPA Scale: 4.0****Recommended Prerequisite: Touch Systems Data Entry****Credits: 1**

This course provides students the opportunity to implement personal and interpersonal skills to strengthen individual performance in the workplace and/or postsecondary education. Students apply technical skills, using Microsoft Office, to create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation.

**BUSINESS INFORMATION MANAGEMENT II****GPA Scale: 4.0****Prerequisite: Business Information Management I****Credits: 1****Recommended for Grades 11 and 12**

This course continues where Business Information Management I ends, and students will create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make electronic multimedia presentations. In addition students may prepare for and take Microsoft Office Specialist certification tests in Word and PowerPoint. Students will be required to pay ½ of the certification fee.

**Arts, Audio/Video Technology and Communications****PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS****GPA Scale: 4.0****Prerequisite: None****Credits: 1**

This course will introduce students to careers in the Arts, Audio/Video Technology and Communications career cluster. Students will develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills and educational requirements for those careers.

**GRAPHIC DESIGN AND ILLUSTRATION I****GPA Scale: 4.0****Prerequisite: Principles of Arts, Audio/Video Technology and Communications****Credits: 1**

This class will give students an opportunity to express and design creative ideas visually for a growing field. Commercial art concepts and design strategies will be explored using design principles and art elements for creating ads, logos, newsletters, magazine covers, illustrations and more. Students will learn to create and design artwork for projects using Adobe software. A final DVD with student artwork will be created for a digital portfolio.

**GRAPHIC DESIGN AND ILLUSTRATION II****GPA Scale: 4.0****Prerequisite: Graphic Design and Illustration I****Credits: 1**

This course will span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

**ANIMATION I****GPA Scale: 4.0****Recommended Prerequisite: Graphic Design and Illustration****Credits: 1**

This course is for the creative student wanting to explore computer animation. Animation is a growing art form providing a need in multiple careers such as entertainment, advertising commercials, medical and legal fields, and other areas wanting a strong visual impact. Design principles of animation will be used for creating storyboards to develop characters and story lines. Sound will be imported into animations. Multiple file formats and forms of animation will be discussed and explored, including 2D and 3D animation. Adobe software will be used. A final DVD including animation will be created by students for a digital portfolio.

## **ANIMATION II**

**GPA Scale: 4.0**

### **Prerequisite: Animation**

**Credits: 1**

Advanced animation will provide opportunities for serious students wanting to expand their skills and creative ideas in animation. Students will compare various styles of animation and will create and develop characters, storyboards, and environments to be animated. Writing and editing script for a specific audience will be explored. Sound and audio effects will be created, imported, and edited for special effects. The production process of assembling particle systems for special effects will be practiced. Students will travel through the creative animation process and choose a final 2D or 3D animation. Students will present the final project in a DVD format and electronically.

## **Human Services**

### **PRINCIPLES OF HUMAN SERVICES**

**GPA Scale: 4.0**

#### **Prerequisite: None**

**Credits: 1**

Principles of Human Services is a laboratory course that will enable students to investigate careers in the Human Services Career Cluster, including counseling and mental health, early childhood development, family and community, personal care, and consumer services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers.

### **INTERPERSONAL STUDIES**

**GPA Scale: 4.0**

#### **Prerequisite: Principles of Human Services**

**Credits: 0.5**

Interpersonal Studies examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services.

### **LIFETIME NUTRITION AND WELLNESS**

**GPA Scale: 4.0**

#### **Prerequisite: Principles of Human Services**

**Credits: 0.5**

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences.



**CHILD DEVELOPMENT****GPA Scale: 4.0****Prerequisite: Interpersonal Studies/Lifetime Nutrition preferred****Credits: 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 well-being and healthy development of children and investigate careers related to the care and education of children.

**PRACTICUM OF HUMAN SERVICES****GPA Scale: 4.0****Prerequisite: Child Development****Credits: 2**

Practicum in Human Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, and family and community-services careers. Content for Practicum in Human Services is designed to meet the occupational preparation needs and interests of students and should be based upon the knowledge and skills selected from two or more courses in a coherent sequence in the human services cluster.

## **Science Technology, Engineering and Mathematics**

**PRINCIPLES OF APPLIED ENGINEERING****GPA Scale: 4.0****Prerequisite: None****Credits: 1**

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

**ENGINEERING DESIGN AND PRESENTATION I****GPA Scale: 4.0****Prerequisite: Principles of Applied Engineering; Algebra I****Credits: 1**

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

skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas.

## **ENGINEERING DESIGN AND PRESENTATION II**

**GPA Scale: 4.0**

**Prerequisite: Engineering Design & Presentation I; Algebra I; Geometry**

**Credits: 2**

The Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, 3D and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping.

## **ENGINEERING DESIGN & PROBLEM SOLVING**

**GPA Scale: 4.0**

**Prerequisite: Engineering Design & Presentation II; Algebra I; Geometry**

**Credits: 1**

The Engineering Design and Problem Solving course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." Various engineering disciplines address a broad spectrum of design problems using specific concepts from the sciences and mathematics to derive a solution. The design process and problem solving are inherent to all engineering disciplines. This course is intended to stimulate students' ingenuity, intellectual talents, and practical skills in devising solutions to engineering design problems. Students use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions. At the same time, this course fosters awareness of the social and ethical implications of technological development.

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

### **PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

This course introduces students to professions in law enforcement, security, corrections and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security and protective agencies of fire and emergency services. Emphasis is placed on constitutional laws for criminal procedures that are building blocks for a career in the criminal justice system. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security and corrections. This course will be taught in an online format. Students must be motivated and self directed to complete the work.

### **CORRECTIONAL SERVICES**

**GPA Scale: 4.0**

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

**Credits: 1**

Students prepare for certification required for employment as a municipal, county, state, or federal correctional officer. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. Students will analyze rehabilitation and alternatives to institutionalization for inmates.

## Health Science

### PRINCIPLES OF HEALTH SCIENCE

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

This course provides an introduction to health care careers, education and skills needed to attain various health care degrees, and insight into the functionality of teamwork in health care. Students will have the opportunity to explore: how to build effective communication skills, examine medical ethics and legal responsibilities, discuss standards of client care and safety and medical language as used in a variety of health care environments. This course will enhance the student's ability to successfully secure employment or pursue advanced education in health care and prepare for the transition to clinical or work-based experiences in health care. This course will be taught in an online format. Students must be motivated and self directed to complete the work.

### MEDICAL TERMINOLOGY

**GPA Scale: 4.0**

**Prerequisite: Principles of Health Science**

**Credits: 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. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

## Information Technology

### PRINCIPLES OF INFORMATION TECHNOLOGY

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication and reasoning skills and apply them to the information technology environment. Students investigate the vast wealth of career opportunities in the Information Technology field. Students learn beginning computer programming skills and the program design process. This course will be taught in an online format. Students must be motivated and self directed to complete the work.

**COMPUTER MAINTENANCE****GPA Scale: 4.0****Prerequisite: Principles of Information Technology****Credits: 1**

Students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies.

# ELECTIVES

## **ART I**

**GPA Scale: 4.0**

**Prerequisite: None**

**Credits: 1**

In this course the student studies design, drawing, painting, graphics arts, and art history. Other topics include work in clay, weaving, and sculpture. Awareness and sensitivity to one's environment will be developed, along with inventive and imaginative expression through art materials and tools. Students will also practice visual discrimination and aesthetic judgment.

## **ART II DRAWING**

**GPA Scale: 4.0**

**Prerequisite: Art I**

**Credits: 1**

This course provides students an opportunity to further develop their drawing skills. Higher-level thinking skills are challenged with design and composition projects that will use a variety of drawing media, techniques and themes. Emphasis on the student of art history will provide students the opportunity to learn evaluation techniques and to apply this knowledge to their own work.

## **ART III DRAWING**

**GPA Scale: 4.0**

**Prerequisite: Art II Drawing**

**Credits: 1**

This course is an in-depth study of drawing and provides projects on an advanced level. Students will develop a personal style and demonstrate effective use of selected drawing media in solving visual problems and assignments. The study of artists and their artworks, art in other cultures and strategies for evaluating artworks are integral to the course.

## **ART IV Drawing**

**GPA Scale: 4.0**

**Prerequisite: Art III Drawing**

**Credits: 1**

The experiences given and skills developed in Art I, II, and III prepare students for in-depth study of special problems based on drawing media. They will produce a body of artwork and develop evaluative criteria for selecting artworks to include in a portfolio. Students continue to study artists and their artworks, art in other cultures, evaluation of artworks, and justification for decisions.

## **ART V**

**GPA Scale: 4.0**

**Prerequisite: Art III Drawing and teacher approval**

**Credits: 1**

Students in this course will work in a variety of media and styles. Special attention is given to areas of student interest and self-direction. Students will develop a portfolio under the supervision of the teacher.

**ATHLETICS****GPA Scale: 4.0****Prerequisite: Approval of Head Coach/Try-outs****Credits: 1 per year up to 4 years**

The School District Athletic Department offers a full range of UIL sponsored competitive athletic activities for young men and women. These courses will include such things as rules of the game, proper sportsmanship, training in skill and techniques, physical conditioning and competitive sports versus other UIL high schools.

**AVID I, II, III****GPA Scale: 4.0****Prerequisite: Application and approval process****Credits: 1**

AVID (Advancement Via Individual Determination) is an elective course that for students who apply and are approved for the AVID program. This course will provide additional academic, social, and emotional support that will help students succeed in the most rigorous courses.

**AP COMPUTER SCIENCE PRINCIPLES****GPA Scale: 4.0****Prerequisite: Algebra I****Credits: 1**

Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

**ADVANCED PLACEMENT COMPUTER SCIENCE A (available 2022-2023)****GPA Scale: 5.0****Prerequisite: Computer Science I, II, and III****Credits: 1**

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

**MARCHING BAND****GPA Scale: 4.0****Prerequisite: Audition****Credits: 1****Marching Band will waive ½ credit of PE each fall up to 1.0 P.E. credit**

The Marching Band performs at all varsity football games and related activities. The Marching Band also participates in various marching competitions and civic performances in the area. All members will be expected to attend all rehearsals and performances. The Marching Band rehearses daily after school hours. The Marching Band is a part of the total band program. Enrollment in the total program is required. Marching Band will waive ½ credit of PE each fall.

**OFFICE AIDE/LIBRARY AIDE****Prerequisite: Senior Student Application Process****Credits: Local Credit Only****This credit WILL NOT go towards state graduation credits.**

Students in this course will be assigned to an office or a library as an aide. Students receive experience in general office administration.

**PE – FOUNDATIONS OF PHYSICAL FITNESS****GPA Scale: 4.0****Prerequisite: None****Credits: 1**

Students in Foundations of Personal Fitness are expected to participate in a wide range of activities that can be pursued for a lifetime. Principles of exercise, health, skill related fitness and nutrition will be addressed. Students will learn to develop and maintain their own personal exercise program.

**AEROBIC ACTIVITIES - DANCE - PE****GPA Scale: 4.0****Prerequisite: None****Credits: 1**

Students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical-activity and health throughout the lifespan.

**THEATER ARTS I, II, III, IV****GPA Scale: 4.0****Prerequisite: None****Credits: 1 each**

This course stresses the expressive use of body and voice, along with aesthetic growth through appreciation of theatrical events. The course of study includes basic actor training, stage movement including mime and stage combat, and voice and diction including oral interpretation and characterization.

**THEATER PRODUCTION I, II, III, IV****GPA Scale: 4.0****Prerequisite: Student Application/Audition****Credits: 1 each**

This class will be required to meet outside of regular class time (usually after school, at night, and/or on the weekends). Class will meet 8-10 weeks for a minimum of 15 hours per week. There will be at least one production each year. Rehearsals and crews will be assigned. Each student is required to be involved in production activities for a minimum of 80 hours. Students enrolling in this course may be expected to adhere to a more stringent dress requirement, which will be at the students' own expense.

**TECHNICAL THEATER I, II, III, IV****GPA Scale: 4.0****Prerequisite: Student Application****Credits: 1 each**

Design and production concepts and techniques will be studied in scenery, properties, lighting, sound, costumes and make-up. Hands-on experience will be involved in class practicum and during production of shows during the school year. Students will have 20 hours of outside/after school lab time during the course.





# HILL COLLEGE DUAL CREDIT

GPA Scale: 5.0

**ART 1301. Art Appreciation.** Study of different types of visual art, focusing on the roles of art and artists in society throughout history. Topics include the elements and principles of art, an introduction to the different media, and critical evaluation.

**BCIS 1305. Business Computer Information Systems.** Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.

**BIOL 2401. Anatomy and Physiology I.** Structure and function of the human body--cell structure and function, tissues, survey of the structure and functions of the organ systems and a more detailed consideration of the integumentary, skeletal, muscular, and nervous systems.

**BIOL 2402. Anatomy and Physiology II.** Further study of the structure and function of the human body with a detailed consideration of the endocrine, circulatory, digestive, respiratory, urinary, and reproductive systems. Fluids and electrolytes are also covered. Prerequisite required: BIOL 2401.

**DRAM 1310. Intro to Theatre.** A survey course designed to acquaint the student with all the various areas of theatre, beginning with the history of the theatre and including a discussion of the periods and the playwrights that reflected the periods. Topics include an examination of the various theatre arts: directing, acting, scene design, lighting, costuming, theatre management, and how to choose and produce a play.

**ECON 2301. Principles of Macroeconomics.** An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy

**ENGL 1301. Composition I.** A review of the principles of grammar, punctuation, and sentence structure; spelling drill and vocabulary; selected readings; theme writing with emphasis on organization of the whole composition, paragraph development, and effective sentences for expository and argumentative-persuasive writing; library use, individual conferences.

**ENGL 1302. Composition II.** Studies in analyzing literature and the writing of critical papers; selected readings; a review of research and documentation procedures leading to the production of a research paper; mechanics of composition as necessary for each class. Prerequisite: ENGL 1301 or approval of the instructor.

**ENGL 2322. British (English) Literature I.** A general survey of English literature from its origin through the 18th century; some consideration of historical background and development; emphasis on emerging ideas and surviving influences. Prerequisite: six semester hours of composition or approval of the instructor.

**ENGL 2323. British (English) Literature II.** Further study of English literature from the Romantic period to the present; selected readings from major authors; emphasis on emerging ideas and surviving influences. Prerequisite: six semester hours of composition or approval of the instructor.

**GOVT 2305. Federal Government.** Surveys the origins and development of the US Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, systems of government, political participation, the media, the national election process, public policy including foreign relations, national defense, fiscal economy policy, and domestic and social policy, civil liberties, and civil rights.

**GOVT 2306 Texas State and Local Government.** This course surveys state and local government in Texas, its people, history, and culture. The nature, organization and general principles of government in the state of Texas and on the local level will be examined including the state constitution, state political parties, voting, and elections, spending and services, taxation and budgeting, rural and urban problems, and local government. Also includes an analysis of the legislative, executive, and judicial functions. This course shall strive to increase your knowledge and understanding of the processes and workings of our state and local government, and also emphasize to students the importance of participating in politics and civic life at the state and local levels.

**HIST 1301. United States History I.** A survey of the history of the United States from its European background through the Reconstruction Era, with emphasis on colonization, the War of Independence, the Jefferson and Jackson Ages, Westward Movement events leading to and the fighting of the War Between the States, and the Reconstruction Era of 1865-1877. All aspects of history are considered: social, political, economic, military.

**HIST 1302. United States History II.** A survey of the United States from 1877 to the present, starting with the Hayes administration, emphasizing industrial growth, social changes and reforms and the role of the United States in 20th Century reforms, political trends, international commitments and leadership

**MATH 1314. College Algebra.** In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Prerequisites: Two years high school algebra or permission of instructor.

**SPCH 1315. Public Speaking.** This is a practical course in public speaking, employing oral assignments demonstrating the ability to choose a topic, do research, organize a speech, and deliver it with maximum control over stage fright. Students prepare and deliver a minimum of four speeches, followed by critiques.

**MUSI 1306. Music Appreciation.** A course for non-music majors designed to acquaint the student with an overall survey of music literature. Open to all students and designed to increase awareness and appreciation of the art of music through live and recorded performances.

**MUSI 1310. Popular Music.** This course is a comprehensive analysis of the development of popular music in American culture from the late 19th through the 21st centuries. Business, technological, societal and personal aspects of the music will be investigated.

**PHYS 1403. Stars and Galaxies.** Study of stars, galaxies, and the universe outside our solar system.

**PHYS 1404. Solar System.** Study of the sun and its solar system, including its origin.

**SPAN 1411. Elementary Spanish.** (Spanish Level I) A course covering the essentials of Spanish (pronunciation, basic vocabulary, functional grammar, sentence structure, inflections, and common idioms) with stress on reading, understanding, writing, and speaking.

**SPAN 1412. Elementary Spanish.** (Spanish Level II) Continuation of SPAN 1411. Prerequisite: SPAN 1411 or equivalent or one year of high school Spanish or consent of the instructor.

# SPECIAL EDUCATION

## SPECIAL EDUCATION CONTINUUM OF SERVICES AND COURSES

Special Education provides a continuum of services for students with disabilities who qualify, as determined in a student's Annual Review Dismissal Meeting (ARD). The least-to-most restrictive continuum of services follows:

- General Education classes no support: Student graduates with the Foundation High School Plan with endorsement.
- General Education class with inclusion support with accommodations: Student graduates with the Foundation High School Plan with endorsement.
- General Education class with basic support with *modified content*: Student can graduate with the Foundation High School Plan with *selected* endorsements.
- Resource class taught by a Special Education teacher with *modified content*: Student can graduate with the Foundation High School Plan with *selected* endorsements.
- Life Skills program taught by a Special Education teacher working on prerequisite skills with *modified content*: The student graduates with the Foundation High School Plan *without* an endorsement.

## RESOURCE ENGLISH I-IV

**Grade Placement: 9-12**

**Credits: 1 each**

Resource and applied English courses teach functional English skills related to everyday living experiences. Topics covered throughout the year include reading, literacy study, writing, oral and written language development, spelling, listening, basic grammar, and following directions. Resource and Applied English courses incorporate the Texas Essential Knowledge and Skills that are vertically aligned to prerequisite skills through an alternate curriculum. Applied English I-II courses are for students receiving special education services and whose ARD committees determine students are eligible and will take STAAR ALT English I and English II EOC assessments.

## APPLIED ACTIVITY OF DAILY LIVING 1-4

**Grade Placement: 9-12**

**Credits: 1 Local each for course**

Applied Activity of Daily Living students focus on daily living skills necessary for students to live independently and include cooking, cleaning, daily organizational skills, and hygiene.

## **APPLIED COMMUNICATION APPLICATIONS**

**Grade Placement: 9-12**

**Credits: .5**

Applied Communication Applications focuses on helping students develop fundamental skills necessary to communicate effectively in a variety of modes with an emphasis on listening, speaking, discussing, planning, presenting, and assessing. Students will also develop skills to assist them in becoming an effective communicator in the classroom, on the job and/or in the community.

## **APPLIED COMMUNITY CITIZENSHIP I-IV**

**Grade Placement: 9-12**

**Credits: 1 Local**

Applied Community Citizenship I - IV are locally developed courses offered to students receiving special education services. Topics focus on essential concepts that are necessary for employment and independent living, such as problem solving, following directions, interpersonal relations, and careers.

## **APPLIED CONSUMER MATHEMATICS**

**Grade Placement: 10-12**

**Credits: 1 Local**

Applied Consumer Mathematics is for students receiving special education services and emphasizes the operation of whole numbers, decimals, and fractions in practical life situations; and personal finance, budgeting, and banking. This course is not aligned to an EOC assessment.

## **APPLIED HEALTH**

**Grade Placement: 9-12**

**Credits: .5**

Applied Health is designed to address health issues as recommended by the student's ARD committee and includes topics such as personal hygiene, emotions, behavior, alcohol, drugs, safety, CPR, and sex education.

## **APPLIED JOB SKILLS I-IV**

**Grade Placement: 9-12**

**Credits: 1 Local**

Applied Job Skills I - IV are locally developed courses for local credit to students receiving special education services with a focus on applying employment-related skills. Training opportunities are delivered through classroom, campus community and/or community training sites. Topics emphasize productive work habits and attitudes, process of career planning, and the effects of change in the work place. These courses prepare students for competitive employment and independent living.

## **APPLIED PHYSICAL EDUCATION: AEROBIC ACTIVITIES**

**Grade Placement: 9-12**

**Credits: 1 per PE course**

Applied Physical Education courses are designed for students who cannot successfully participate in the regular physical education program as determined by ARD committee. Individualized testing and

instruction include developmental games, remedial exercises, motor tasks, and recreational skills for individual or team leisure sports.

### **APPLIED RECREATION AND LEISURE I - II**

**Grade Placement: 9-12**

**Credits: 1 each for course**

Applied Recreation and Leisure students focus on planning and managing social time in real-world settings, as well as essential skills to be included and appropriately interact in a social activity or gathering. Students are involved with campus and community activities.

### **COMMUNITY-BASED VOCATIONAL INSTRUCTION (CBVI)**

**Grade Placement: 11-12**

**Credits: 1-4 Local as determined by ARD**

Community-based Vocational Instruction (CBVI) emphasizes development of skills necessary for placement in a work setting. Independent, cooperative and group activities are provided in a combination of school and community-based instructional settings. Local employers provide training and teacher supports students as they work toward their postsecondary goals. This course is available to qualified special education students who have completed the Foundation Plan and whose ARD committee recommends placement.

## **Texas Virtual School Network (TxVSN)**

The Texas Virtual School Network (TxVSN) has been established by the state as one method of distance learning. A student has the option, with certain limitations, to enroll in a course offered through the TxVSN to earn course credit for graduation.

Depending on the TxVSN course in which a student enrolls, the course may be subject to the “no pass, no play” rules. In addition, for a student who enrolls in a TxVSN course for which an end-of-course (EOC) assessment is required, the student must still take the corresponding EOC assessment.

If you have questions or wish to make a request that your child be enrolled in a TxVSN course, please contact the school counselor. Unless an exception is made by the campus principal or designee, a student will not be allowed to enroll in a TxVSN course if the school offers the same or a similar course.