

**2019-2020**

**Shepherd High School**

**Course Catalog**



This program of studies provides students and parents with as much information as possible to pre-register for the 2019-2020 school year. A course description and the prerequisites for each course are given to assist you in your selections. Shepherd High School uses the student pre-registration process as a guide to determine what courses will be offered during the school year. Courses that are not requested by enough students may not make it into the SHS schedule. All courses and programs have been developed with the philosophy that excellence in education is equally important for all students, regardless of interest or ability. When selecting courses, students should plan their goals beyond the next year to include courses to meet high school graduation requirements and college/career entrance. Teachers and counselors are important sources of information for both students and parents.

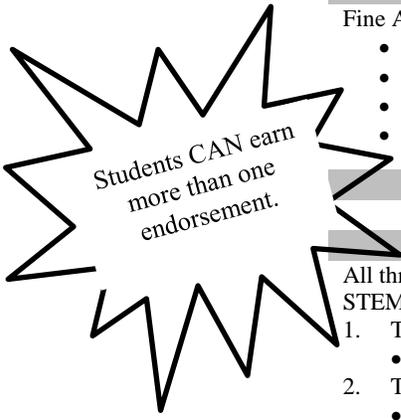
Courses are offered based on student interest, teacher availability & classroom availability. Should one of the course selections not be available, it will be replaced with a similar course. Should a student fail a STARR/EOC test, they may forfeit one or more of their electives and be placed in a remedial class. Likewise, if a student should fail a class that is required for graduation, the student will be placed in credit recovery to make it up.

**Shepherd High School  
State Graduation Requirements**

Subject Areas	Foundation High School Program with Endorsement Graduation Plan
ENGLISH	4 English I, English II, English III and an Advanced English course
MATH	4 Algebra I, Geometry and 2 Advanced Math course
SCIENCE	4 Biology, IPC or Advanced Science course and two Advanced Science courses
SOCIAL STUDIES	3 U.S. History, Government, Economics and World Geography or World History
HEALTH LOCAL	$\frac{1}{2}$ Required local elective
PE/ATHLETICS	1
TECH APPLICATION LOCAL	$\frac{1}{2}$ Required local elective
FINE ARTS	1
LANGUAGES OTHER THAN ENGLISH	2 In the same language
SPEECH	$\frac{1}{2}$
ELECTIVES	5 $\frac{1}{2}$
TOTAL	26

**\*Distinguished Achievement Plan** – Math courses must include Algebra II. In order to be eligible for Top 10% Automatic Admissions to an Institute of Higher Education, students must graduate under the Foundation Plan with Distinguished Level of Achievement.

**Endorsements:** In order to earn an endorsement, students must complete courses for 4 or more credits in the same subject area. *Students can earn more than one endorsement.*



Arts/Humanities	Business/Industry	Public Services
Fine Arts <ul style="list-style-type: none"> <li>• Band</li> <li>• Dance</li> <li>• Drill Team</li> <li>• Theatre Arts</li> </ul>	Agriculture, Food & Natural Resources Architecture & Construction Arts, Audio-Video Tech & Comm. Business Management/Finance Hospitality & Tourism Information & A/V Technology	Health Science Human Services & Education Training JROTC
STEM		Multidisciplinary Studies
All three of the following requirements must be met to receive the STEM Endorsement. <ol style="list-style-type: none"> <li>Total of 5 credits in mathematics including:               <ul style="list-style-type: none"> <li>• Algebra I, Geometry, and Algebra II.</li> </ul> </li> <li>Total of 5 credits in science including:               <ul style="list-style-type: none"> <li>• Biology, Chemistry and Physics.</li> </ul> </li> <li>A coherent sequence of 3 credits within a CTE pathway</li> </ol>		Allows students to earn credits in a variety of advanced courses from multiple content areas sufficient to complete distinguished level under the foundation in high school program.

Performance Acknowledgements → **Outstanding performance:** Dual credit coursework; bilingualism/biliteracy; college AP; PSAT, SAT or ACT.

## State Assessments Required for Graduation (STAAR EOC)

**English Language Arts:** English I and English II

**Mathematics:** Algebra I

**Science:** Biology

**History:** US History

Each year students are allowed to re-test if they have not acquired a satisfactory score. There will be an EOC re-test given several times a year - December, March, May and July. Students who are attempting to complete EOC's for graduation may be placed into remediation courses for extended time in the curriculum.

## Dual Credit

SHS offers dual credit courses for our students in 11<sup>th</sup> and 12<sup>th</sup> grade through Lone Star College. After successful completion of the course, the students will receive high school credit along with college credit. Each course is awarded 3 college hours. Our courses are offered online and taken in a computer lab. The lab is proctored by a certified teacher. Students communicate with their professor through email and internet.

Tuition for core classes is paid for by Shepherd Independent School District. The purchase of books required for the courses are the responsibility of the student/parent.

The Dual Credit handbook can be found online at [www.shepherdisd.net](http://www.shepherdisd.net)

- Campuses
  - Shepherd High School
- Administration
  - Counselors Corner

*For more information regarding Dual Credit, please contact Judy Porter [jporter@shepherdisd.net](mailto:jporter@shepherdisd.net)*

English Language Arts				
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>	<u>Grade Point</u>
English I	9 <sup>th</sup>	1	None	4
English I Pre-AP	9 <sup>th</sup>	1	None	5
English II	10 <sup>th</sup>	1	English I	4
English II Pre-AP	10 <sup>th</sup>	1	English I	5
English III	11 <sup>th</sup>	1	English II	4
English III AP	11 <sup>th</sup>	1	English II	5
Dual Credit English III	11 <sup>th</sup>	1	Must meet college entry requirements & deadline	5
Business English	12 <sup>th</sup>	1	English III	4
English IV	12 <sup>th</sup>	1	English III	4
English IV AP	12 <sup>th</sup>	1	English III	5
Dual Credit English IV	12 <sup>th</sup>	1	Must meet college entry requirements & deadline	5

**English I** *Unit Credit: 1*

Students in this course continue to increase and refine their communication skills. High school students will plan and complete written compositions and will edit those compositions to produce final, error-free drafts. English I students read extensively in multiple genres from world literature to learn forms and terms associated with those selections. They will also interpret the possible influences of the historical context on a literary work.

**English I Pre-AP** *Unit Credit: 1*

This course is designed to prepare the student who excels academically in language arts for Advanced Placement courses. This course covers the English I content and goes beyond the regular course. Students may be responsible for summer reading, analyzing selections, and vocabulary improvement.

**English II** *Unit Credit: 1*

*Prerequisite(s): English I*

Students enrolled in English II continue to increase and refine their communication skills. The students will plan, draft, and complete written compositions as well as edit papers for clarity, language, and mechanics. Emphasis will be placed on persuasive forms of writing, although all forms will be practiced. Students will read extensively in multiple genres and learn literacy terms and forms associated with selections.

**English II Pre-AP** *Unit Credit: 1*

*Prerequisite(s): English I*

Students enrolled in English II Pre AP Course will write in a variety of forms for a variety of audiences and purposes. The students will plan draft, and complete written compositions as well as edit for clarity, language, and mechanics. Students will write in a variety of forms, and writings will be used as a tool for learning as students create, clarify, critique, and express appreciation for others ideas. Students will read extensively in increasingly difficult texts from multiple genres. Students may be responsible for summer reading, analyzing selections, and vocabulary improvement.

**English III** *Unit Credit: 1*

*Prerequisite(s): English II*

Students enrolled in English III will continue to increase and refine their communication skills. High school students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and correct use of the conventions and mechanics of written English and produce final, error-free drafts. Students will practice all forms of writing. An emphasis is placed on business forms of writing such as the report, the business memo, the narrative of a procedure, the summary or abstract, and the resume. English III students read extensively in multiple genres from American literature and other world literature.

**English III AP** *Unit Credit: 1*

*Prerequisite(s): English II*

Students enrolled in English III AP are expected to perform at a college level. The intent of this class is to stress analysis of a writer's style and impact upon his society. Students are expected to read language essays from varying cultures and historical periods (with a focus on American Literature) and to respond to them through evaluative writings. The College Board exam for AP English Language and Composition will be taken in May; it is a requirement for the successful completion of this course. A score of 3 or better can lead to colleges awarding credit.

**Dual Credit – English III Composition & Rhetoric I & II**

*Prerequisite(s): English II & College Acceptance/Requirements*

*ENGL 1301 – 3 hours*

English 1301 involves students in the intensive study and practice of writing processes, from invention and research to drafting, editing, and revising, both individually and collaboratively.

*ENGL 1302 – 3 hours*

English 1302 involves Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts.

**Business English**

*Unit Credit: 1*

*Prerequisite(s): English III*

This course provides students with the skills needed to be successful in a business organization. Students will study common business correspondence, including the correct form and use of business applications, information management, information technology, and telecommunications. Reading and writing of business documents, such as routine letters and emails, specialized letters, memoranda, brochures, articles, workplace and management books, and reports, will be emphasized. Students will develop skills in the practical principles of grammar, punctuation, and vocabulary needed in business transactions. They will also gain skill in and practice speaking, listening, and communicating nonverbally in a business environment.

**English IV**

*Unit Credit: 1*

*Prerequisite(s): English III*

Students enrolled in English IV continue to increase and refine their communication skills. Students are expected to plan, draft, and complete written compositions on a regular basis. Students edit their papers for clarity, engaging language, and the correct use of conventions and mechanics of written English and produce final, error-free drafts. In English IV, students are expected to write in a variety of forms, including business, personal, literary, and persuasive texts. English IV students read extensively in multiple genres from British Literature.

**English IV AP**

*Unit Credit: 1*

*Prerequisite(s): English III*

Students enrolled in English IV AP are expected to perform at a college level. The intent of this class is to stress critical thinking skills involved in the analysis of literature and the resultant essays and research papers. Literature from any culture and from any historical period may be covered, but the primary emphasis is upon British Literature. The College Board exam for AP English Language and Composition will be taken in May; it is a requirement for the successful completion of this course. A score of 3 or better can lead to colleges awarding credit.

**Dual Credit – English IV Survey of British Literature**

*Prerequisite(s): Dual Credit ENGL 1301 & 1302*

*ENGL 2322 – 3 hours*

A survey of the development of British literature from the Anglo-Saxon period to the 18th Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.

*ENGL 2323 – 3 hours*

A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts.

<b>Mathematics</b>				
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>	<u>Grade Point</u>
Algebra I	9 <sup>th</sup>	1	None	4
Geometry	9 <sup>th</sup> -10 <sup>th</sup>	1	Algebra I	4
Geometry Pre-AP	9 <sup>th</sup> -10 <sup>th</sup>	1	Algebra I	5
Algebra II	10 <sup>th</sup> -12 <sup>th</sup>	1	Geometry	4
Algebra II Pre-AP	10 <sup>th</sup> -12 <sup>th</sup>	1	Geometry	5
Mathematical Models with Applications	11 <sup>th</sup>	1	Geometry	4
Statistics & Business Decision Making	11 <sup>th</sup> -12 <sup>th</sup>	1	Geometry	4
Financial Mathematics	11 <sup>th</sup> -12 <sup>th</sup>	1	Geometry	4
Pre-Calculus	11 <sup>th</sup> -12 <sup>th</sup>	1	Algebra II	5
AP Calculus AB	11 <sup>th</sup> -12 <sup>th</sup>	1	Pre-Calculus	5

**Algebra I**

*Unit Credit: 1*

Study of the foundation concepts for high school mathematics, including symbolic reasoning, the tools for manipulating symbols, linear and quadratic function concepts, the relationship between functions and equations, and problem solving using a variety of techniques. Pre-AP goes into more depth in preparing students for the advanced math courses such as Pre-Calculus and Calculus AP.

**Algebra I Pre - AP**      *Unit Credit: 1*

Study of the foundation concepts for high school mathematics, including symbolic reasoning, the tools for manipulating symbols, linear and quadratic function concepts, the relationship between functions and equations, and problem solving using a variety of techniques. Pre-AP goes into more depth in preparing students for the advanced math courses such as Pre-Calculus and Calculus AP.

**Geometry**      *Unit Credit: 1*      *Prerequisite(s): Algebra I*

Geometry continues the study of the foundation concepts for high school mathematics, including geometric thinking and spatial reasoning, geometric figures and their properties, tools for algebraic reasoning, and underlying mathematical processes.

**Geometry Pre-AP**      *Unit Credit: 1*      *Prerequisite(s): Algebra I*

Geometry continues the study of the foundation concepts for high school mathematics, including geometric thinking and spatial reasoning, geometric figures and their properties, tools for algebraic reasoning and underlying mathematical processes. Pre-AP goes into more depth in preparing students for the advanced math courses such as Pre-Calculus and Calculus AP.

**Algebra II**      *Unit Credit: 1*      *Prerequisite(s): Geometry*

Algebra II expands the study of high school mathematics to include simplifying algebraic expressions, matrices, conic sections, complex numbers, quadratic functions, square root functions, rational functions, and exponential and logarithmic functions.

**Algebra II Pre-AP**      *Unit Credit: 1*      *Prerequisite(s): Geometry*

Algebra II expands the study of high school mathematics to include simplifying algebraic expressions, matrices, conic sections, complex numbers, quadratic functions, square root functions, rational functions, and exponential and logarithmic functions. Pre-AP goes into more depth in preparing students for the advanced math courses such as Pre-Calculus and Calculus AP.

**Mathematical Models with Applications**      *Unit Credit: 1*      *Prerequisite(s): Geometry*

This course continues to build on the Algebra I foundations as it expands the student's understanding through other mathematical experiences. The student continually uses problem solving, language and communication, connections within and outside mathematics, and reasoning.

**Financial Mathematics**      *Unit Credit: 1*      *Prerequisite(s): Geometry*

Financial Mathematics is a course about personal money management. Students will apply critical thinking skills to analyze personal financial decisions based on current and projected economic factors. Including salaries, loans, credit cards, taxes, etc...

**Pre-Calculus**      *Unit Credit: 1*      *Prerequisite(s): Algebra II*

College preparation for higher mathematics. Includes the study of functions and operations on functions. The students will use functions and their properties to model and solve real-life problems. Symbolic representations of functions, including polynomial, rational, radical, exponential, logarithmic, trigonometric, and precise defined functions will be used.

**AP Calculus AB**      *Unit Credit: 1*      *Prerequisite(s): Pre-Calculus*

An introduction to the theory of limits, integral and differential functions, and calculus proofs as prescribed by the College Board Advanced Placement Program. The College Board exam for AP CALCULUS AB will be taken in May; it is a requirement for the successful completion of this course. A score of 3 or better can lead to colleges awarding credit.

Science				
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>	<u>Grade Point</u>
IPC	9 <sup>th</sup>	1	None	4
IPC Pre-AP	9 <sup>th</sup>	1	None	5
Biology	10 <sup>th</sup>	1	None	4
Biology Pre-AP	10 <sup>th</sup>	1	None	5
Chemistry	10 <sup>th</sup> -11 <sup>th</sup>	1	Biology & Algebra 1	4
Chemistry Pre-AP	10 <sup>th</sup> -11 <sup>th</sup>	1	Biology & Algebra 1	5
Physics	11 <sup>th</sup> -12 <sup>th</sup>	1	Geometry, Biology & Chemistry	4
Anatomy and Physiology of Human Systems	11 <sup>th</sup> -12 <sup>th</sup>	1	Biology & Health Science Student	4
Advanced Plant & Soil Science	11 <sup>th</sup> -12 <sup>th</sup>	1	Biology	4
Biotechnology I	11 <sup>th</sup> -12 <sup>th</sup>	1	Biology	4
Forensic Science	11 <sup>th</sup> -12 <sup>th</sup>	1	Biology	4
Advanced Animal Science	12 <sup>th</sup>	1	Livestock Prod./Sm An Mgmt/or Equine Sci.	4

**IPC***Unit Credit: 1*

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

**IPC Pre-AP***Unit Credit: 1*

Integrated Physics and Chemistry students conduct hands-on field and laboratory investigations at an advanced level using scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem solving. At an advanced level, this course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformation, properties of matter, changes in matter, and solution chemistry.

**Biology***Unit Credit: 1**Prerequisite(s): IPC*

In Biology, students conduct field and laboratory 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; ecosystems; and plants and environment.

**Biology Pre-AP***Unit Credit: 1**Prerequisite(s): IPC*

Pre AP Biology students conduct hands-on field and laboratory investigations at an advanced level where they learn to make informed decisions using critical-thinking and scientific problem solving. A variety of topics are taught at an advanced level 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; homeostasis; ecosystems; and plants and the environment.

**Chemistry***Unit Credit: 1**Prerequisite(s): Biology & Algebra I*

In Chemistry, student conduct field and laboratory 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; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fission; oxidation-reduction reaction; chemical equations; solutes; properties of solution; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives.

**Chemistry Pre-AP***Unit Credit: 1**Prerequisite(s): Biology & Algebra I*

Pre-AP Chemistry is designed to prepare students for the complex thinking that will be expected in future science courses. This course will focus on the development of the student as a scientist through the study of chemistry. Being a scientist requires a broad set of tools, including theory, problem solving, written and oral communication, interpreting data and laboratory skills. Areas covered are: Matter, atoms and periodic table, molecules and compounds, chemical reactions and stoichiometry, aqueous solutions and reactions, gases, energy and chemical reactions, atomic and molecular structure.

**Physics***Unit Credit: 1**Prerequisite(s): Geometry & Biology & Chemistry*

In Physics, students conduct field and laboratory 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; force; thermodynamics; characteristics and behavior of waves; and quantum physics. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills.

**Physics Pre-AP***Unit Credit: 1**Prerequisite(s): Geometry & Biology & Chemistry*

This course provides students with an advanced study into the stated topics: laws of motion; changes within physical systems and conservation of energy and momentum; force; thermodynamics; characteristics and behavior of waves; and quantum physics. It includes the use of advanced algebra and trigonometric skills in order to solve typical physics problems.

**Anatomy & Physiology of Human Systems***Unit Credit: 1**Prerequisite(s): Chemistry*

This course is an intense study of the human anatomy and physiology. Course will include detailed analysis of the structure and function of all human systems and will require gaining advanced dissection techniques during the course.

**Biotechnology I***Unit Credit: 1**Prerequisite(s): Biology and Chemistry*

In Biotechnology I, students will apply advanced academic knowledge and skills to the emerging fields of biotechnology such as agricultural, medical, regulatory, and forensics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality-control techniques. Students in Biotechnology I will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics.

**Advanced Plant & Soil Science***Unit Credit: 1**Prerequisite(s): Prin AFNR & Biology*

Advanced Plant and Soil Science is a Career and Technical Education (CTE) course that meets Texas high school science graduation requirements. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace.

**Forensic Science***Unit Credit: 1**Prerequisite(s): Biology and Chemistry*

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

**Advanced Animal Science***Unit Credit: 1**Prerequisite(s): Livestock Production, Small Animal Management or Equine Science*

Advanced Animal Science is a Career and Technical Education (CTE) course that meets Texas high school science graduation requirements. Students study large, small, and specialty animals. 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 40% laboratory and fieldwork requirement experiences.

<b>Social Studies</b>				
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>	<u>Grade Point</u>
World History	9 <sup>th</sup> -10 <sup>th</sup>	1	None	4
World History Pre-AP	10 <sup>th</sup>	1	None	5
United States History Since Reconstruction	11 <sup>th</sup>	1	World History	4
United States History AP	11 <sup>th</sup>	1	World History	5
Dual Credit US History 1301/1302	11 <sup>th</sup>	.5 per semester	World History & Must meet college entry requirements & deadline	5
United States Government	12 <sup>th</sup>	.5	W History & US History	4
United States Government & Politics AP	12 <sup>th</sup>	.5	World History & U.S. History	5
Dual Credit GOVT 2301	12 <sup>th</sup>	.5	Must meet college entry requirements & deadline	5
Economics (Free Enterprise)	12 <sup>th</sup>	.5	World History & US History	4
Macroeconomics AP	12 <sup>th</sup>	.5	World History & US History	5
Dual Credit ECON 2301 (Macroeconomics)	12 <sup>th</sup>	.5	Must meet college entry requirements & deadline	5

**World History***Unit Credit: 1*

This course offers students an overview of the entire history of humankind. Major emphasis is on the study of significant people, events, and issues from the earliest times to the present.

**World History Pre-AP***Unit Credit: 1*

This honors level course is a study of significant people, events, and issues from the earliest times to the present. Students will be required to take the exam. A score of 3 or better can lead to colleges awarding credit

**United States History since Reconstruction***Unit Credit: 1**Prerequisite(s): World History*

Students study the history of the United States since Reconstruction to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and Post Cold War eras, and reform movements including Civil Rights.

**United States History AP***Unit Credit: 1**Prerequisite(s): World History*

The Advanced Placement program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. The College Board exam for United States History will be taken in May; it is a requirement for the successful completion of this course. A score of 3 or better can lead to colleges awarding credit

**Dual Credit US History***Unit Credit: 1**Prerequisite(s): Must meet college entry requirements & deadline**US History 1301 – 3 hours college*

The development of American characteristics and nationality from the early European exploration through the Reconstruction Period (1877).

*US History 1302 – 3 hours college*

The history of the United States from Reconstruction to the present time.

Students must seek prior counselor approval and submit district forms to enroll in dual credit courses. Students shall be awarded one-half credit for each semester of successful completion of a college course in which the student is concurrently enrolled while in high school. In order for students to receive state graduation for dual credit courses, content requirements must meet or exceed the essential knowledge and skills in a given course.

**United States Government***Unit Credit: .5**Prerequisite(s): World History & U.S. History*

In 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.

**United States Government and Politics AP***Unit Credit: .5**Prerequisite(s): World History & U.S. History*

This course exceeds the regular government course by providing a more in-depth study of the American governments, its organizational structure, functions and origins. Students will be required to work cooperatively, conduct research, write essays, take times tests, read extensively, and generally work at a faster pace than high school courses. The College Board exam for United States Government will be taken in May; it is a requirement for the successful completion of this course. A score of 3 or better can lead to colleges awarding credit.

**Dual Credit: GOVT 2301 Federal & State: Principles & Origins** *Unit Credit: .5 Prerequisite(s): Must meet college entry requirements & deadline GOVT-3 hours college*

A study of the origins and development of the American governmental system: Federal and Texas constitutions: federal-state relations: parties, politics, and the voters: civil rights and citizenship. (This course will meet the certification requirement for prospective teachers, as required by Texas law. Required of all students seeking an Associate in Arts or Science degree or who plan to transfer to a four year school.) Three lecture hour each week.

Students must seek prior counselor approval and submit district forms to enroll in dual credit courses. Students shall be awarded one-half credit for each semester of successful completion of a college course in which the student is concurrently enrolled while in high school.

**Economics (Free Enterprise)***Unit Credit: .5**Prerequisite(s): World History & U.S. History*

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.

**Macroeconomics AP***Unit Credit: .5**Prerequisite(s): World History & U.S. History*

This course is structured to provide an in-depth study of principles and theories concerning production, consumption, and distribution of goods and services. It is designed to help students gain skills needed to be effective consumers and workers. Students will examine the role of government in the American economic system and will compare other economics systems to the American free enterprise system. The College Board exam for AP Macroeconomics will be taken in May; it is a requirement for the successful completion of this course. A score of 3 or better can lead to colleges awarding credit.

**Dual Credit: ECON 2301 Principles of Macro-Economics** *Unit Credit: .5 Prerequisite(s): Must meet college entry requirements & deadline ECONO 2301-3 hours college*

History, development, and application of macroeconomic theory underlying the production, distribution, and exchange of goods and services including the utilization of resources, analysis of value and prices, national income analysis, fiscal policies, monetary and banking theory and policy, distribution of income, labor problems, international economics and economic systems. Attention is given to the application of economic principles to economic problems.

Students must seek prior counselor approval and submit district forms to enroll in dual credit courses. Students shall be awarded one-half credit for each semester of successful completion of a college course in which the student is concurrently enrolled while in high school.

<b>Communications Applications (Speech)</b>			
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Professional Communications	10 <sup>th</sup> -12 <sup>th</sup>	.5	None
Professional Standards in Agribusiness	10 <sup>th</sup> - 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources

**Professional Communications**      *Unit Credit: .5*

This course develops competencies and skills in students which will make them effective and responsible senders and receivers of messages on interpersonal, small group, and public levels of communication. A frequently used format for the course is the study of interpersonal and small group elements and public speaking during the semester activities.

**Professional Standards in Agriculture Business**      *Unit Credit: .5*      *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

Want to impact the world like JFK, FDR, or MLK? Students in this course will develop skills in various areas of leadership including, Seven Habits, Time Management, Communication, Public Speaking, Teamwork, Employability Skills, etc... all while earning your speech credit.

\* *Professional communications credit is satisfied through this course.*

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>	<u>Grade Point</u>
Spanish I	9 <sup>th</sup> -12 <sup>th</sup>	1	None	4
Spanish II	10 <sup>th</sup> -12 <sup>th</sup>	1	Spanish I	4
Spanish III	11 <sup>th</sup> - 12 <sup>th</sup>	1	Spanish I and II	5
Spanish IV	11 <sup>th</sup> - 12 <sup>th</sup>	1	Spanish I, II and III	5

**Spanish I**      *Unit Credit: 1*

Spanish I students will incorporate listening, speaking, reading, and writing skills toward understanding short utterances when listening and being able to respond orally in Spanish with learned material; producing learned words, phrases, and sentences when speaking and writing; detecting main ideas in familiar material when listening and reading while developing an understanding of Hispanic culture. The course includes the present tense and an introduction to the past tense.

**Spanish II**      *Unit Credit: 1*      *Prerequisite(s): Spanish I*

Students will continue and augment listening, speaking, reading and writing skills application begun in Spanish I toward recognizing the importance of acquiring of expression by knowing the components of language, including grammar and recognizing their importance in communication to know about culture.

**Spanish III**      *Unit Credit: 1*      *Prerequisite(s): Spanish I and II*

Students who successfully complete Spanish III will expand their abilities to communicate in Spanish from beginner's (novice) level to intermediate level. Students will be provided opportunities to speak, write, read and comprehend Spanish on an intermediate level as well as to use knowledge of culture in the development of communication skills. **(Required to graduate Distinguished Achievement for Seniors)**

**Spanish IV**      *Unit Credit: 1*      *Prerequisite(s): Spanish I, II and III*

The AP Spanish Language and Culture course provides students with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. Students learn about culture through the use of authentic materials that are representative of the Spanish-speaking world. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

<b>Technology Applications (Locally required)</b>			
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Touch System Data Entry	9 <sup>th</sup> -12 <sup>th</sup>	.5	None

**Touch System Data Entry**

*Unit Credit: .5*

Are you interested in the fast-paced, changing industry of Information Technology? This course will offer an introductory level of knowledge on a variety of subjects including blogs, forums and messaging. Areas covered would include computer hardware and software, digital electronics and file management, operating systems, networking, programming, web page design, and office applications.

<b>Freshman Transition (Locally required)</b>			
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Interpersonal Studies	9 <sup>th</sup>	.5	None

**Interpersonal Studies** Formally known as the PRIDE Academy (**P**ersonally **R**esponsible **I**n **D**eveloping **E**xcellence) *Unit Credit: .5*

The PRIDE Academy is a freshman level class that provides students with interest and personality inventories, career exploration, and skills that will be beneficial throughout high school and beyond. Interpersonal Studies will use the *Career Choices* curriculum which can be summed up in four words: Changing Attitudes, Changing Lives. By the end of the course, students will be able to answer these questions, "Who Am I?", "What Do I Want?", and "How Do I Get It?". This course has been developed to create a strong foundation on which to build a successful future.

<b>Health, Physical Education and Athletics</b>			
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Foundations of Personal Fitness	9 <sup>th</sup> – 12 <sup>th</sup>	1	None
Physical Education	9 <sup>th</sup> -12 <sup>th</sup>	.5 per semester	None
Athletics Boys/Girls	9 <sup>th</sup> -12 <sup>th</sup>	1	Approval of the Coach
Band	9 <sup>th</sup> -12 <sup>th</sup>	1	Audition (Fall Semester Only)
Color Guard	9 <sup>th</sup> -12 <sup>th</sup>	1	Audition (Fall semester Only)
Drill Team	9 <sup>th</sup> – 12 <sup>th</sup>	1	Audition (Fall Semester)
Health	9 <sup>th</sup> -12 <sup>th</sup>	.5	None
JROTC I-IV	9 <sup>th</sup> -12 <sup>th</sup>	1	None
JROTC Competitive Teams	10 <sup>th</sup> -12 <sup>th</sup>	1	Enrollment in JROTC I-IV
Team Sports Officiating	10 <sup>th</sup> -12 <sup>th</sup>	1	None
Sports History	10 <sup>th</sup> -12 <sup>th</sup>	1	None

**Foundations of Personal Fitness**

*Unit Credit: 1*

This interdisciplinary course addresses Personal Fitness and Health course requirements. Daily meaningful physical activity and healthful behaviors are significant factors in the prevention and reduction of disease and the promotion of health. The student exhibits a physically active lifestyle and comprehends the relationship between daily physical activities. Health promotion and disease prevention lead to health practices that enhance health behaviors and reduce health risks. Students will develop and demonstrate the skills necessary to become health literate, self directed citizens.

## **ATHLETICS**

### **9<sup>th</sup> Grade Boys Athletics I**

*Unit Credit: 1*

### **10<sup>th</sup> Grade Boys Athletics II**

*Prerequisite(s): Approval of the Coach*

### **11<sup>th</sup> Grade Boys Athletics III**

### **12<sup>th</sup> Grade Boys Athletics IV**

University Interscholastic League (UIL) football, basketball, track, tennis, golf, baseball and soccer.

### **9<sup>th</sup> Grade Girls Athletics I**

*Unit Credit: 1*

### **10<sup>th</sup> Grade Girls Athletics II**

*Prerequisite(s): Approval of the Coach*

### **11<sup>th</sup> Grade Girls Athletics III**

### **12<sup>th</sup> Grade Girls Athletics IV**

University Interscholastic League (UIL) volleyball, basketball, track, softball, tennis, golf and soccer.

### **Band I, II, III, IV** *Unit Credit: 1* *Prerequisite(s): Audition* *\*First Semester – PE Credit* *\*Second Semester – Fine Arts Credit*

Students will study/rehearse/perform music of varying levels of difficulty and styles representing the classical to contemporary periods in music history, including some jazz, popular and multi-cultural techniques. Lessons in music history, theory, and rehearsal/performance process. Students will improve their musicianship skills and technical facility on their instruments. All students should recognize and develop the individual responsibilities and self-discipline that are essential to the development and growth of the organization.

First semester performance opportunities will focus on Marching Band. Second semester performance opportunities will focus on Concert Band.

### **Color Guard** *Unit Credit: 1* *Prerequisite(s): Audition* *\*First Semester – PE Credit* *\*Second Semester – Fine Arts Credit*

Students will develop an understanding of the relationship between music and motion and learn to synchronize movement to music by performing as the Color Guard with the Royal Blue Band. Members will learn routines that interpret the Band's music using flags, other props, equipment and dance. As they learn the movement skills required for the routines being prepared, they will also explore the basic elements of music (rhythm, tempo, meter, instruments, melody, harmony, form, texture, and dynamics.) First semester performance opportunities will focus on Marching Band. Second semester performance opportunities will focus on indoor "Winter Guard" competition.

### **Drill Team** *Unit Credit: 1* *Prerequisite(s): Audition* *\*First Semester – PE Credit* *\*Second Semester – Fine Arts Credit*

This class is available to only those who audition and make the team. The Pirates' Pride Drill Team is a class period of the school day. Students earn a physical education credit or a fine arts credit for this class. This class focuses on different forms of dance and technique. Each member is responsible for attending all practices, activities, and meetings.

### **Health** *Unit Credit: .5*

In Health I, students develop skills that will make them health-literate adults and gain a deeper understanding of the knowledge and behaviors they use to safeguard their health, particularly pertaining to health risks. Students are taught how to access accurate information that they can use to promote health for themselves and others.

### **JROTC I-IV** *Unit Credit: 1*

JROTC is intended to provide cadets with tools that will enhance their ability, focus, and drive to handle life's everyday issues. JROTC also teaches cadets how to become better and more productive citizens who not only will benefit themselves, but also the school, the community, and their friends and family. This course focuses on developing leadership and communication skills, being a team player, being a self-starter, and being responsible and dedicated to a purpose. JROTC is a four-year program that builds on the previous year's experiences and training, and can lead a cadet to a successful transition from high school to college, the military, or a successful career upon graduating. All uniforms, equipment, and supplies are furnished by JROTC. Students receive a PE credit for JROTC I and then elective credits.

**Even though JROTC is a four-year program, you do not have to start the program as a Freshman.**

### **JROTC Competitive Teams** *Unit Credit: 1*

This course is available only to cadets taking a regular JROTC class. Cadets learn teamwork, responsibility, and dedication to themselves as well as their team members. Teams will include drill, color guard, orienteering, raider, PT and marksmanship. Cadets MAY have to sacrifice personal time to practice before and/or after school while serving on any JROTC competitive team.

### **Team Sports Officiating** *Unit Credit: 1*

Students enrolled in Team Sports Officiating course will learn rules and regulation of selected team sports, developing skills in the area of communication, decision-making, and conflict management, which are needed to officiate team sport competitions. They will work with coaches, players, and other officials. The expectation is that students will have the ability to officiate at various levels and manage responsibilities that come with that role.

### **Sports History** *Unit Credit: 1*

This class is a comprehensive history of sports. We will begin by examining the origin of athletics and the ways that popular sports and rules have changed overtime. During the course of the school year we will cover controversy in sports (fights, steroids, rivalries, etc...), civil rights, sports tragedies, humor in sports, athletic finances and franchises, college recruitment, bracketology, and many other sports related topics.

Fine Arts			
<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Theater Arts I	9 <sup>th</sup> -12 <sup>th</sup>	1	None
Theater Arts II	10 <sup>th</sup> -12 <sup>th</sup>	1	Theater Arts I
Theater Arts III	11 <sup>th</sup> -12 <sup>th</sup>	1	Theater Arts I & II
Theater Arts III-IV	11 <sup>th</sup> -12 <sup>th</sup>	1	Theater Arts I & II & III
Technical Theater I	9 <sup>th</sup> -12 <sup>th</sup>	1	None
Technical Theater II	10 <sup>th</sup> -12 <sup>th</sup>	1	Technical I
Technical Theater III-IV	11 <sup>th</sup> -12 <sup>th</sup>	1	Technical I & II & III
Band	9 <sup>th</sup> -12 <sup>th</sup>	1	Audition
Applied Music	11 <sup>th</sup> -12 <sup>th</sup>	1	Co-enrollment in Band
Color Guard	9 <sup>th</sup> -12 <sup>th</sup>	1	Audition
Dance I-IV	9 <sup>th</sup> -12 <sup>th</sup>	1	None
Drill Team	9 <sup>th</sup> -12 <sup>th</sup>	1	Audition
Floral Design	11 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Agriculture, Food and Natural Resources

**Theatre Arts I**      *Unit Credit: 1*

This course is an introduction to the theater which includes expressive use of the voice and body, basic acting skills and concepts, beginning production skills, performance evaluation, theory, an introduction to technical aspects of theater, theater history, and an appreciation of live theatrical events.

**Theatre Arts II, III, IV**      *Unit Credit: 1*      *Prerequisite(s): Theater Arts I*

These are advanced courses in theater. These classes include study of specific classical shows and classical production concepts, theater history, play writing, advanced acting concepts and performance, directing principles, theater appreciation, and appreciation of live theatrical events.

**Technical Theatre I, II, III, IV**      *Unit Credit: 1*

Technical Theatre is the study of drama based on behind the scenes preparations. This course focuses on set design, lighting, staging, make-up, and costumes.

**Band I, II, III, IV**      *Unit Credit: 1*      *Prerequisite(s): Audition*      *\*First Semester – PE Credit*      *\*Second Semester – Fine Arts Credit*

Students will study/rehearse/perform music of varying levels of difficulty and styles representing the classical to contemporary periods in music history, including some jazz, popular and multi-cultural techniques will also be included. Lessons in music history, theory, and rehearsal/performance process, students will improve their musicianship skills and technical facility on their instruments. All students should recognize and develop the individual responsibilities and self-discipline that are essential to the development and growth of the organization. First semester performance opportunities will focus on Marching Band. Second semester performance opportunities will focus on Concert Band.

**Applied Music**      *Unit Credit: 1*      *Prerequisite(s): Co-enrollment in Band*

Applied Music is designed for students who want an advanced course of instrumental study. The class emphasizes the improvement of instrumental musicianship through the preparation of advanced etudes, solos, and ensembles. Members of this class will study the basics of music theory and the history of western music. Members of the class are required to audition for All-Region and compete at UIL solo and ensemble contests.

**Color Guard**      *Unit Credit: 1*      *Prerequisite(s): Audition*      *\*First Semester – PE Credit*      *\*Second Semester – Fine Arts Credit*

In this class students will develop an understanding of the relationship between music and motion and learn to synchronize movement to music by performing as the Color Guard with the SHS Royal Blue Band. Color Guard members will learn routines that interpret the Band's music using tall flags, other props and equipment, and dance. As they learn the movement skills required for the routines being prepared, they will also explore the basic elements of music (rhythm, tempo, meter, instruments, melody, harmony, form, texture, and dynamics.) First semester performance opportunities will focus on Marching Band. Second semester performance opportunities will focus on indoor "Winter Guard" competition.

**Dance I, II, III, IV***Unit Credit: 1**Prerequisite(s): None*

In Dance, students will develop self-confidence through the use of the body as an expressive instrument and will develop an appreciation of dance as an art form. Students will utilize creative expression through performing and choreographing a variety of dance styles and genres.

**Drill Team***Unit Credit: 1**Prerequisite(s): Audition*

This class is available to only those who audition and make the team. The Pirates' Pride Drill Team is taught year round during fourth period. Students earn a physical education credit or a fine arts credit for this class. This class focuses on different forms of dance and technique. Each member is responsible for attending all practices, activities, and meetings.

**Floral Design***Unit Credit: 1**Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

Students will learn to construct cost effective geometric designs, corsages and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit as well as have the opportunity to obtain certification through the Texas State Floral Association. Students will cover the cost of the certification which is approximately \$100 or students may apply for a scholarship.

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
College Prep Class	11 <sup>th</sup> -12 <sup>th</sup>	.5	None
Study Skills A	9 <sup>th</sup> -12 <sup>th</sup>	.5	None
Study Skills B	9 <sup>th</sup> -12 <sup>th</sup>	.5	None

**College Prep Class***Unit Credit: .5 (Local Elective Credit)*

This course will cover the following concepts for college bound students: SAT/ACT preparation - FASFA forms - College searches and comparisons - College application - Scholarship searches. Students will have the opportunity to plan for college and sharpen their skills in college entrance examinations.

**Study Skills***Unit Credit: .5 (Local Elective Credit)*

This course is a study hall time for students wishing to have a class period during the day to work on homework. Study Skills A is for the 1<sup>st</sup> semester and Study Skills B is the second semester.





**Agriculture, Food and Natural Resources**

Agricultural Educators  
Embryo Technologists

Animal Caretaker  
Vet Tech

Livestock Producers  
Agricultural Sales

**Animal Systems**

<b><u>COURSE</u></b>	<b><u>GRADE</u></b>	<b><u>CREDIT</u></b>	<b><u>PREREQUISITE</u></b>
Principles of Agriculture , Food & Natural Resources	9 <sup>th</sup> – 12 <sup>th</sup>	1	None
Professional Standards in Agribusiness	10 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources
Agribusiness Management & Marketing	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Livestock Production	10 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Small Animal Management	10 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources
Equine Science	10 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources
Veterinary Medical Applications	11 <sup>th</sup> -12 <sup>th</sup>	1	Livestock Production, Small Animal Management or Equine Science
Advanced Animal Science	12 <sup>th</sup>	1	Livestock Production, Small Animal Management or Equine Science
Food Technology & Safety	11 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources

**Principles of Agriculture, Food & Natural Resources** *Unit Credit: 1*

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course shows 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.

**Professional Standards in Agriculture Business** *Unit Credit: .5* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. \* *Professional communications credit is satisfied through this course.*

**Agribusiness Management & Marketing** *Unit Credit: 1* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

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

**Livestock Production** *Unit Credit: 1* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

Students will have the opportunity to learn about careers in the livestock industry, livestock management, nutrition, genetics, reproduction, and common diseases and pests of cattle, swine, lambs, goats and poultry.

**Small Animal Management** *Unit Credit: .5* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

**Equine Science** *Unit Credit: .5* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

Develop knowledge about the importance of the equine industry in Texas and the U.S. Students will study selection, nutrition, reproduction, handling, and management to prepare for a career in the horse industry. The study of horses, donkeys, and mules will be included in this course.

**Veterinary Medical Applications** Unit Credit: 1 Prerequisite(s): Livestock Production, Small Animal Management or Equine Science  
 Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species. Students will focus on getting Vet Tech certification through this course.

**Advanced Animal Science** Unit Credit: 1 Prerequisite(s): Livestock Production, Small Animal Management or Equine Science  
 Advanced Animal Science is a Career and Technical Education (CTE) course that meets Texas high school science graduation requirements. Students study large, small, and specialty animals. 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 40% laboratory and fieldwork requirement experiences.

**Food Technology and Safety** Unit Credit: 1 Prerequisite(s): Principles of Agriculture, Food & Natural Resources  
 This course examines the food technology industry as it relates to food production, handling, and safety.



**Agriculture, Food and Natural Resources**

Floral Design

Horticulturalist

Extension Specialist

**Plant Systems**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Agriculture , Food & Natural Resources	9 <sup>th</sup> – 12 <sup>th</sup>	1	None
Professional Standards in Agribusiness	10 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources
Agribusiness Management & Marketing	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Horticulture Science	10 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Landscape Design & Turf Grass Management	11 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources
Principles & Elements of Floral Design	11 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Advanced Plant & Soil Science	12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources and Biology
Food Technology & Safety	11 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources

**Principles of Agriculture, Food & Natural Resources** Unit Credit: 1

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course shows 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.

**Professional Standards in Agriculture Business** Unit Credit: .5 Prerequisite(s): Principles of Agriculture, Food & Natural Resources

This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. \* Professional communications credit is satisfied through this course.

**Agribusiness Management & Marketing** Unit Credit: 1 Prerequisite(s): Principles of Agriculture, Food & Natural Resources

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

**Horticulture Science** Unit Credit: 1 Prerequisite(s): Principles of Agriculture, Food & Natural Resources

Turn over a new leaf in high school. Plant a seed and watch it grow in plant science. You will learn about soil management and proper planting techniques. Knowledge will also be gained in plant reproduction and maintenance of a greenhouse as well as exploring the floral and landscaping industry.

**Landscape Design & Turf Grass Management** *Unit Credit: .5* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*  
 A course designed to develop skills in the design, construction, and maintenance of planted areas. The course includes the use of devices for the beautification of home grounds and other areas of human habitation and recreation. Students will also learn techniques in how to establish and maintain turf grass.

**Principles & Elements of Floral Design** *Unit Credit: 1* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*  
 Students who successfully complete this class will construct cost effective geometric designs, corsages and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit as well as have the opportunity to obtain certification through the Texas State Floral Association. Students will cover the cost of the certification which is approximately \$100 or students may apply for a scholarship.

**Advanced Plant & Soil Science** *Unit Credit: 1* *Prerequisite(s): Prin AFNR & Biology*  
 Advanced Plant and Soil Science is a Career and Technical Education (CTE) course that meets Texas high school science graduation requirements. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace.

**Food Technology and Safety** *Unit Credit: 1* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*  
 This course examines the food technology industry as it relates to food production, handling, and safety.



**Agriculture, Food and Natural Resources**

Game Warden

Soil & Water Specialists

Extension Specialist

**Outdoor Recreation Management**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Agriculture , Food & Natural Resources	9 <sup>th</sup> – 12 <sup>th</sup>	1	None
Professional Standards in Agribusiness	10 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of Agriculture, Food & Natural Resources
Agribusiness Management & Marketing	10 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Wildlife, Fisheries, Ecology Management	10 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Forestry & Woodland Ecosystems	10 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Energy & Natural Resources Technology	10 <sup>th</sup> – 12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources
Food Technology & Safety	11 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Agriculture, Food & Natural Resources

**Principles of Agriculture, Food & Natural Resources** *Unit Credit: 1*  
 To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course shows 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.

**Professional Standards in Agriculture Business** *Unit Credit: .5* *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*  
 This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.  
 \* *Professional communications credit is satisfied through this course.*

**Agribusiness Management & Marketing** Unit Credit: 1*Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

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

**Wildlife, Fisheries, Ecology Management** Unit Credit: 1*Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

A course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife, fish and natural resources and their management. Hunter, boater, and angler safety instruction are components of this class. Research into occupational opportunities and identification and laws associated with game, non-game, fur-bearing and fish species are included.

**Forestry & Woodland Ecosystems** Unit Credit: 1*Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

This course examines current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment. Includes exploration of careers associated with the forestry system, tree identification, calculating tree harvest, and a study of the forest ecosystem.

**Food Technology and Safety** Unit Credit: 1*Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

This course examines the food technology industry as it relates to food production, handling, and safety.



Agriculture,  
Food &  
Natural  
Resources

**Agriculture, Food and Natural Resources**

Welder

Farm Equipment Mechanic

Machinists

**Agriculture Mechanics**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Agriculture , Food & Natural Resources	9 <sup>th</sup> – 12 <sup>th</sup>	1	None
Principles of Construction	9 <sup>th</sup> – 12 <sup>th</sup>	1	None
Professional Standards in Agribusiness	10 <sup>th</sup> – 12 <sup>th</sup>	.5	Principles of AFNR
Introduction to Welding	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of AFNR or Principles of Construction
Ag Equipment Design & Fabrication	12 <sup>th</sup>	1	Introduction to Welding
Welding I	11 <sup>th</sup> -12 <sup>th</sup>	2	Introduction to Welding
Welding II	12 <sup>th</sup>	2	Welding I

**Principles of Agriculture, Food & Natural Resources** Unit Credit: 1

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course shows 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.

**Principles of Construction** Unit 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.

**Professional Standards in Agriculture Business** Unit Credit: .5 *Prerequisite(s): Principles of Agriculture, Food & Natural Resources*

This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness.

\* *Professional communications credit is satisfied through this course.*

**Introduction to Welding***Unit Credit: 1**Prerequisite(s): Principles of Construction or Principles of AFNR*

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

**Ag Equipment, Design and Fabrication***Unit Credit: 1**Prerequisite(s): Principles of AFNR & Ag Mechanics & Metal Technologies*

Do you want to further your Ag Mech experience? In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. Instruction will also emphasize job opportunities in these areas.

**Welding I***Unit Credit: 2**Prerequisite(s): Principles of Const. or Principles of AFNR & Intro to Welding*

This course prepares students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes. These processes include gas welding, brazing, flame cutting, plasma cutting, shielded metal arc welding and resistance welding. Introduction to gas metal arc welding, gas tungsten arc welding and flux core welding will also be explored. Students will develop a basic understanding of design for welding fabrication, an understanding of the cost and economics of various types welding. Students are introduced to the methods of nondestructive and destructive inspection of welds and welded products. Students will also develop math and problem solving skills used in the welding field. National Center for Construction Education and Research material is also covered in this course. This class meets for two periods each school day.

**Welding II***Unit Credit: 2**Prerequisite(s): Prin of Const. or Prin of AFNR, Intro to Welding & Welding I*

The advanced welding program is a continuation of Welding I. National Center for Construction Education and Research material is also covered in this course. This class meets for two periods each school day.



Architecture &amp; Construction

**Construction**

Carpenter Contractor Concrete Finisher

**Agriculture Construction**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Construction	9 <sup>th</sup> -10 <sup>th</sup>	1	None
Agricultural Mechanics & Metal Technology	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Construction
Agriculture Structure Design & Fabrication	11 <sup>th</sup> -12 <sup>th</sup>	1	Agricultural Mechanics & Metal Technology
Construction Management I	11 <sup>th</sup> -12 <sup>th</sup>	2	Principles of Construction
Agriculture Power Systems	11 <sup>th</sup> -12 <sup>th</sup>	2	Principles of Construction or Prin. of AFNR

**Principles of Construction***Unit 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. Safety and career opportunities are included, in addition to work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; Information Technology Applications; systems; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities; employability and career development; technical skills; introduction to hand tools; introduction to power tools; basic rigging; and reading technical drawings.

**Agriculture Mechanics and Metal Technologies***Unit Credit: 1**Prerequisite(s): Principles of Construction or Prin AFNR*

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

**Agriculture Structures Design & Fabrication***Unit Credit: 1**Prerequisite(s): Prin of Con or Prin AFNR and Ag Mech Metal Tech*

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. The students will explore building plans, understand electricity and surveying equipment, as well as learn concrete and drywall construction.

**Construction Management I***Unit Credit: 2**Prerequisite(s): Principles of Construction or Prin AFNR*

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

**Agriculture Power Systems***Unit Credit: 2**Prerequisite(s): Principles of Construction or Prin AFNR*

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Hospitality  
& Tourism**Hospitality and Tourism**

Restaurant Server  
Food Service Employee

Head Cook  
Food and Beverage Manager

Executive Chef  
Restaurant Manager

**Hospitality, Tourism, Culinary Training**

<b><u>COURSE</u></b>	<b><u>GRADE</u></b>	<b><u>CREDIT</u></b>	<b><u>PREREQUISITE</u></b>
Principals of Hospitality & Tourism	9 <sup>th</sup> -12 <sup>th</sup>	1	None
Intro to Culinary Arts	10 <sup>th</sup> -12 <sup>th</sup>	1	Principals of Hospitality & Tourism
Culinary Arts	11 <sup>th</sup> -12 <sup>th</sup>	2	Intro to Culinary Arts
Advanced Culinary Arts	12 <sup>th</sup>	2	Culinary Arts

**Principles of Hospitality & Tourism***Unit Credit: 1*

The hospitality and tourism industry encompasses lodging, travel and tourism, recreation, amusements, attractions, resorts, restaurants, and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry.

**Intro to Culinary Arts***Unit Credit: 1**Prerequisite(s): Principles of Hospitality & Tourism*

A laboratory course that teaches principles of basic nutrition and how to make good healthy food choices! This class will introduce you to the culinary world by demonstrating and teaching a variety of preparation, cooking and baking skills. You will learn to use principles of lifetime wellness and nutrition. Laboratory experiences will focus on the integration of nutrition and wellness knowledge with basic food preparation and management skills.

**Culinary Arts** *Unit Credit: 2**Prerequisite(s): Intro to Culinary Arts*

This laboratory-based course begins with the fundamentals and principles of the art of food preparation and includes management and production skills and techniques. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared for campus based restaurant. Certification: ServSafe

**Advanced Culinary Arts** *Unit Credit: 2**Prerequisite(s): Culinary Arts*

This laboratory-based course is designed to be a continuation of the Culinary Arts program. Students continue to refine their knowledge and skills required for careers in the restaurant, food, and beverage industry. Students can pursue a national sanitation certification and other appropriate industry certifications. Laboratory activities involve food production for a campus based restaurant.



**Human Service and Education Training**

Early Childhood Educator  
Elementary Teacher

Education Counselor  
Child Care Assistant

Education Administrator  
Special Education Teacher

**Human Services, Education Training**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Human Services	9 <sup>th</sup> – 11 <sup>th</sup>	1	None
Child Development	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Human Services
Lifetime Nutrition & Wellness	10 <sup>th</sup> -12 <sup>th</sup>	.5	Principles of Human Services
Family & Community Services	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Human Services
Principles of Education & Training	11 <sup>th</sup> -12 <sup>th</sup>	1	Child Development & criminal background check
Instructional Practices	12 <sup>th</sup>	2	Principles of Education & Training & criminal background check

**Principles of Human Services**

*Unit Credit: 1*

Classroom/laboratory course includes a variety of knowledge and skills related to teen personal development and management, promotion of strong families, and preparation for adult roles. Course content focuses on interpersonal skills, decision making, developing positive relationships, child development and care, and clothing selection and maintenance. This course also focuses on personal budgeting, family housing needs, and career choices in the field of human services. Students will need basic class supplies.

**Child Development**

*Unit Credit: 1*

*Prerequisite(s): Principles of Human Services*

Parent, teacher, neonatal nurse, pediatrician, daycare administer, toy designer, etc. are all great careers that involve children. This course will cover effective parenting skills, pregnancy, development, health and safety needs. See what being a parent is all about with our “simulated baby” or just find that inner child in you while interacting with young children.

**Lifetime Nutrition & Wellness**

*Unit Credit: .5*

*Prerequisite(s): Principles of Human Services*

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

**Family & Community Services**

*Unit Credit: 1*

*Prerequisite(s): Principles of Human Services*

Classroom/laboratory course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact 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.

**Principle of Education & Training**

*Unit Credit: 1*

*Prerequisite(s): Child Development & criminal background check*

If you are interested in a career in education as a teacher, coach, counselor, or principal, this is the class for you. Students will experience field-based internships that provide background knowledge of child and adolescent development as well as principles of effective teaching and training practices, teaching strategies, learning styles, classroom environments, brain development, and behavior management. This course focuses on teaching fields from grades K-12. Various projects will require supplies.

**Instructional Practices**

*Unit Credit: 2*

*Prerequisite(s): Inst. Practices in Ed. & Training & criminal background check*

If you are interested in a career in education as a teacher, coach, counselor, or principal, this is the class for you. Students will experience field-based internships that provide background knowledge of child and adolescent development as well as principles of effective teaching and training practices, teaching strategies, learning styles, classroom environments, brain development, and behavior management. This course focuses on teaching fields from grades K-12. Various projects will require supplies.



**Health Science**

Emergency Medical Tech (EMT)  
Pathology  
Physical Therapy

Medical Assisting  
Medical Forensics  
Pre-Medical

Nursing  
Pharmacy Tech  
Dental Hygienist

**Health Science**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Health Science	9 <sup>th</sup> -11 <sup>th</sup>	1	None
Medical Terminology	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Health Science
Anatomy and Physiology of Human Systems	11 <sup>th</sup>	1	Principles of Health Science
Health Science Theory with Clinical	12 <sup>th</sup>	2	All classes within the Health Science Track

**Principles of Health Science**      *Unit Credit: 1*

Are you thinking of pursuing a career in the health care field? Discover a health care career that interests you by exploring a wide variety of occupations in the health care industry. Focus on the history of health care, ethical and legal responsibilities, and leadership development as well. Develop a concept of health and wellness from the viewpoint of a health care consumer as well as a future health professional. Current and future trends of the health care industry are integrated throughout the course. Meet students with similar interests in the medical field and studies.

**Medical Terminology**      *Unit Credit: 1*

*Prerequisite(s): Principles of Health Science*

This course is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

**Anatomy & Physiology of Human Systems**      *Unit Credit: 1*

*Prerequisite(s): Principles of Health Science*

This course is an intense study of the human anatomy and physiology. Course will include detailed analysis of the structure and function of all human systems and will require gaining advanced dissection techniques during the course.

**Health Science Theory with Clinical**      *Unit Credit: 2*

*Prerequisite(s): All classes within the Health Science Track*

Students enrolled in this two period class will have a chance to experience the health care field firsthand. First semester, the emphasis will be on obtaining Certification. The student will have one on one interaction with staff and learn patient care skills in the classroom and lab setting. This course is designed to give students practical application of previously studied knowledge and skills. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. Successful completion of the state written and skills exams will qualify students to be employed in long-term facilities in the state of Texas. During the second semester, students will rotate through the various departments of health care agencies, observing, demonstrating, and using the entry level skills learned in the classroom and lab. **Students will choose to focus on the CNA or Phlebotomy certification.**

Personal Financial Advisors  
Accountant

 Tax Preparation  
Teller

 Auditor  
Loan Officer

**Business Management / Finance**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Business, Marketing & Finance	9 <sup>th</sup> -11 <sup>th</sup>	1	None
Money Matters	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Business, Marketing & Finance
Virtual Business	10 <sup>th</sup> -12 <sup>th</sup>	.5	Principles of Business, Marketing & Finance and PIT
Entrepreneurship	11 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Business, Marketing & Finance
Statistics & Risk Management	12 <sup>th</sup>	1	Algebra I and Geometry
Accounting I	11 <sup>th</sup> -12 <sup>th</sup>	1	Algebra I and Geometry
Accounting II	12 <sup>th</sup>	1	Accounting I

**Principles of Business, Marketing & Finance**      *Unit Credit: 1*

Students will 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.

**Money Matters**      *Unit Credit: 1*      *Prerequisite(s): Principles of Business, Marketing & Finance*

Students will investigate global economics with emphasis on the free enterprise system and its impact on consumers and businesses. Students apply critical-thinking skills to analyze financial options based on current and projected economic factors. Student will gain knowledge and skills necessary to set long-term financial goals based on those options. Students will determine methods of achieving long-term financial goals through investment, tax planning, asset allocation, risk management, retirement planning and estate planning.

**Virtual Business**      *Unit Credit: .5*      *Prerequisite(s): Principles of Business, Marketing & Finance and PIT*

Discover what it takes to create and successfully operate a virtual business. You will learn skills and techniques that will help you create a market, and operate your own virtual and entrepreneurial business office. Learn how to manage a team and even explore the opportunity to earn monetary rewards.

**Entrepreneurship**      *Unit Credit: 1*      *Prerequisite(s): Principles of Business, Marketing & Finance*

Students will gain the knowledge and skills needed to become an entrepreneur. Students will learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired, and the potential for profit.

**Statistics & Risk Management**      *Unit Credit: 1*      *Prerequisite(s): Algebra I, Geometry*

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

**Accounting I**      *Unit Credit: 1*      *Prerequisite(s): Algebra I, Geometry*

Why do some businesses make it and others don't? Money! Come and investigate the field of accounting and find out how to organize and manage the financial dealings of a business. Formulate and interpret financial information for use in management decision-making. Financial statements will be prepared manually, as well as by using accounting software. A few assignments include a business and personal financial simulation and a group project.

**Accounting II**      *Unit Credit: 1*      *Prerequisite(s): Accounting I*

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making.



A/V Equipment Technician  
Director/Producer  
Reporter

Animator/Illustrator  
Graphic Designer  
Screen Editor

Camera Operator  
Publisher/Editor  
Audio/Video Designer

**Video**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Arts Audio Video Technology & Communications	9 <sup>th</sup> -12 <sup>th</sup>	1	None
Audio Video Production I (Pirate TV)	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Arts Audio Video Technology & Communications
Audio Video Production II with Lab	11 <sup>th</sup> -12 <sup>th</sup>	2	Audio/Video Production
Practicum in Audio Video Production	12 <sup>th</sup>	2	Adv Audio/Video Production, Animations
Commercial Photography I	10 <sup>th</sup> -12 <sup>th</sup>	1	None
Commercial Photography II with Lab	11 <sup>th</sup> -12 <sup>th</sup>	2	Commercial Photography

**Principles of Arts, Audio/Video Technology, and Communications**

*Unit Credit: 1*

Students will investigate how and what ideas, values and concepts are connected through film, Class activities will include viewing, listening, researching and analyzing film. In addition students will create digital audio and video productions. They will become proficient with digital editing software for audio and video.

**Audio Video Production I**

*Unit Credit: 1*

*Prerequisite(s): Prin. of Arts, Audio/Video Tech & Comm.*

In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. Students will also produce segments for Pirate TV.

**Audio/Video Production II with Lab**

*Unit Credit: 2*

*Prerequisite(s): Audio/Video Production*

Students in Audio/Video Productions will produce Pirate TV for the student body to enjoy. Duties/assignments may include new casting, advanced writing, interviewing, in-depth research for news stories and features, photography, photo editing, video photography, production of on-air graphic design, and video editing. Students will also be responsible for meeting deadlines.

**Practicum in Audio/Video Production**

*Unit Credit: 2*

*Prerequisite(s): Advanced Audio/Video Production*

Students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. Independent audio and video projects will be produced by the students.

**Commercial Photography I**

*Unit Credit: 1*

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

**Commercial Photography II with Lab**

*Unit Credit: 2*

*Prerequisite(s): Commercial Photography*

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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.



A/V Equipment Technician  
Director/Producer  
Reporter

Animator/Illustrator  
Graphic Designer  
Screen Editor

Camera Operator  
Publisher/Editor  
Audio/Video Designer

**Print**

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Principles of Arts Audio Video Technology & Communications	9 <sup>th</sup> -12 <sup>th</sup>	1	None
Graphic Design and Illustration I (Yearbook)	10 <sup>th</sup> -12 <sup>th</sup>	1	Principles of Arts Audio Video Technology & Communications
Graphic Design and Illustration II with Lab	11 <sup>th</sup> -12 <sup>th</sup>	2	Graphic Design & Illustration
Practicum in Graphic Design & Illustration	12 <sup>th</sup>	2	Adv Graphic Design & Illustration
Commercial Photography I	10 <sup>th</sup> -12 <sup>th</sup>	1	None
Commercial Photography II with Lab	11 <sup>th</sup> -12 <sup>th</sup>	2	Commercial Photography

**Principles of Arts, Audio/Video Technology, and Communications**

*Unit Credit: 1*

Students will investigate how and what ideas, values and concepts are connected through film, Class activities will include viewing, listening, researching and analyzing film. In addition students will create digital audio and video productions. They will become proficient with digital editing software for audio and video.

**Graphic Design and Illustration** *Unit Credit: 1*

*Prerequisite(s): Prin. of Arts, Audio/Video Tech & Comm.*

In addition to developing advanced technical knowledge and skills needed for success students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge skills. Using the most up to date graphic design and illustration software, students will design and produce the district's Pre-K – 8<sup>th</sup> grade yearbook, *The Treasure Chest*. This will include digital photography, editing and placement of photography, art design, as well as writing and design of the yearbook.

**Advanced Graphic Design and Illustration** *Unit Credit: 2*

*Prerequisite(s): Graphic Design and Illustration*

Advanced Graphic Design and Illustration is a hands-on, lab based class where students are introduced to various graphic design and illustration applications. Students will study image editing, graphic design, and digital color. Students will design and produce the high school yearbook, *The Pirate Log*.

**Practicum in Graphic Design and Illustration** *Unit Credit: 2*

*Prerequisite(s): Advanced Graphic Design & Illustration*

Students will be expected to develop a technical understanding of the industry with a focus on skill proficiency. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. In addition to continued production of the district yearbooks, students will also work in a supervisory role to independently produce the PreK through 8<sup>th</sup> grade yearbook, *The Treasure Chest*.

**Commercial Photography** *Unit Credit: 1*

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. Students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

**Advanced Commercial Photography** *Unit Credit: 2*

*Prerequisite(s): Commercial Photography*

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. 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.

### Information and A/V Technology

<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>
Touch Systems Data Entry	9 <sup>th</sup> -12 <sup>th</sup>	.5	None
Digital and Interactive Multimedia	10 <sup>th</sup> -12 <sup>th</sup>	1	Touch Systems Data
Web Technologies	10 <sup>th</sup> -12 <sup>th</sup>	1	Touch Systems Data
Animation	11 <sup>th</sup> -12 <sup>th</sup>	1	Touch Systems Data
Business Information Management	11 <sup>th</sup> -12 <sup>th</sup>	1	Touch Systems Data

#### **Touch Systems Data Entry**

*Unit Credit: .5*

This course will offer an introductory level of knowledge on a variety of subjects including blogs, forums and messaging. Areas covered would include computer hardware and software, digital electronics and file management, operating systems, networking, programming, web page design, and office applications. This course fulfills the local technology requirement.

#### **Digital and Interactive Multimedia**

*Unit Credit: 1*

*Prerequisite(s): Touch Systems Data*

Interested in making movies or creating magazine covers? This course is designed to introduce technology used in the workplace. This course will offer a hands-on approach to real world problems by creating multimedia projects for real-life situations. Students will gain experience using audio and video equipment as well as experience in editing and animation software.

#### **Web Technologies**

*Unit Credit: 1*

*Prerequisite(s): Touch Systems Data*

Google, Yahoo, Facebook, and Wikipedia – the internet is everywhere! Web Technologies is divided into two distinct semesters. First semester students will enjoy learning the latest Web 2.0 skills. They will learn to collaborate and communicate using the World Wide Web. Second semester students will learn HTML and scripting language. They will create and design a web page using application software.

#### **Animation**

*Unit Credit: 1*

*Prerequisite(s): Touch Systems Data*

Students will build on their Graphic Design skills by specializing in web design, image editing, and/or animation. Some 3-D animation also will be introduced at this level. Students will work independently as well as collaboratively to produce communications projects.

#### **Business Information Management I**

*Unit Credit: 1*

*Prerequisite(s): Touch Systems Data*

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. Students will focus on earning Microsoft Office certifications to add to their resume.

### Cooperative Education

<u>LOCAL#</u>	<u>COURSE</u>	<u>GRADE</u>	<u>CREDIT</u>	<u>PREREQUISITE</u>	<u>GRADE POINT</u>
8611	Career Preparation I	11 <sup>th</sup> -12 <sup>th</sup>	3	See Below	4
8612	Career Preparation II	12 <sup>th</sup>	3	See Below	4

#### **Prospective Career Preparation**

- Must be 16 years old
- Classified as a Junior (11<sup>th</sup>) or Senior (12<sup>th</sup>) at the beginning of the school year
- Must provide their own transportation to and from their training station
- Must sign and agree to follow the Student Responsibilities for Career Prep Students

#### **Career Preparation 1 (Co-Op)**

*Unit Credit: 3*

#### **Career Preparation 2 (Co-Op)**

The goal of this class is to prepare students with a variety of skills for a fast-changing workplace. Student are taught employability skills, which include job-specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development.

**SHEPHERD ISD**  
**Public Notification of Nondiscrimination in Career and Technical Education Programs**

Shepherd ISD offers career and technical education programs in Agriculture, Food and Natural Resources; Architecture and Construction; Culinary, Human Services, Education and Training, Health Science and Information and A/V Technology. Admission to these programs is based on interest and aptitude, age appropriateness, and class space availability.

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

It is the policy of Shepherd ISD not discriminate on the basis of race, color, national origin, sex, handicap, or age in its employment practices as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.

Shepherd ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs.

For information about your rights or grievance procedures, contact the CTE Coordinator, Jody Cronin at Shepherd High School, Shepherd, Texas 77371, or you may call 936-628-3371.

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**Distrito Escolar de Shepherd**  
**Notificacion Publica de No Discriminacion en Programas Vocacionales**

El Distrito Escolar de Shepherd ofrece programas vocacionales en Agricultura, Alimentos y Recursos Naturales, Arquitectura y Construccion; Culinario, Servicios Humanos, Educacion y Entrenamiento, y informacion y Tecnologia A/V. La admision a estos programas se basa en el interes y capacidad, edad apropiada, y disponibilidad de espacio en la clase.

Es la politica del Distrito Escolar de Shepherd no discriminar a base de raza, color, origen nacional, genero, o discapacidad en sus programas de formacion profesional, servicios o actividades requeridas por Title VI Ley de Derechos Civiles de 1964, en su forma enmendada, Title IX de Enmiendas de Educacion de 1972; y Seccion 504 de La Ley de Rehabilitacion de 1973, en su forma enmendada.

Es la politica del Distrito Escolar de Shepherd no discriminar a base de raza, color, origen nacional, genero, discapacidad, o edad en sus practicas de empleo de acuerdo con Title IV Ley de Derechos Civiles de 1964, en su forma enmendada; Title IX de Enmiendas de Educacion de 1972; El Acto de Discriminacion por Edad de 1975, en su forma enmendada; y Seccion 504 de La Ley de Rehabilitacion de 1973, en su forma enmendada.

El Distrito Escolar de Shepherd tomara medidas para asegurar que la falta de habilidades del idioma ingles no sea una barrera para la admision y participacion en todos los programas educativos y de formacion profesional.

Para obtener informacion sobre sus derechos o los procedimientos de queja, pongase en contacto, Jody Cronin, Shepherd High School, Shepherd, Texas 77371, o puede llamar al 936-628-3371.