

Bandera High School Course Selection Guide 2019-2020



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www.banderaisd.net

Bandera High School Course Selection Guide 2019-2020

Dear Bandera High School Student:

Please use this guide to assist you in making course selection choices for the 2019-2020 school year. Remember to take into consideration your four year plan and what you plan to do after high school. Please share this information with your parents/guardians so that they may also have involvement in your course selection experience. See a Counselor for additional questions regarding course selection. Also, your classroom teachers serve as an excellent resource for advising you on suggested courses for next year in their content areas.

Included are the current graduation requirements (Foundation Plan and Foundation Plan with Endorsements). Also, course descriptions for each department are included.

STATE GRADUATION PLANS FOR
THE CLASS OF 2018 AND BEYOND

Foundation Program	Foundation Program with Endorsement
4 Credits English English 1, English 2, English 3, Advanced English Class	4 Credits English English 1, English 2, English 3, Advanced English Class
3 Credits Math Algebra 1, Geometry, Advanced Math Class	4 Credits Math Algebra 1, Geometry, Advanced Math Class, 2nd Advanced Math Class
3 Credits Science Biology, IPC or Advanced Science Class, Advanced Science Class	4 Credits of Science Biology, IPC or Advanced Science Class, Advanced Science Class, 2nd Advanced Science Class
3 Credits of Social Studies W. Geography or W. History, US History, Government, Economics	3 Credits of Social Studies W. Geography or W. History, US History, Government, Economics
2 Credits Languages other than English (LOTE) 2 Credits in the same LOTE or 2 Computer Science	2 Credits Languages other than English (LOTE) 2 Credits in the same LOTE or 2 Computer Science
1 Credit Physical Education	1 Credit Physical Education
1 Credit Fine Arts	1 Credit Fine Arts
5 Credits Electives	7 Credits Elective
Total=22 Credits	Total=26 Credits
* The Foundation Program is available after the sophomore year and only with parent permission and a meeting with the guidance counselor.	* Distinguished Level of Achievement requires an Endorsement and Algebra2.

ENDORSEMENTS

With the new graduation requirements approved by House Bill 5 and the Texas State Board of Education, students have more choices in course work that lead to a high school diploma. All students **MUST** select an Endorsement area prior to entering their 9th grade year. In Bandera ISD, this will be accomplished during their course selection period taking place in February during their 8th grade year. Over the course of a student's high school career, they can elect to change Endorsements. There are five Endorsement areas in which students may choose. The Endorsement choices are:

- Arts & Humanities
- Business and Industry
- Public Service
- S.T.E.M. (Math or Science)
- Multidisciplinary Studies

Example: A student who chooses an Endorsement in Business and Industry in the Culinary Arts program of study. As part of the Foundation Program with Endorsement required course work, the courses that the student will take to satisfy the Endorsement include Principles of Hospitality and Tourism, Introduction to Culinary Arts, Culinary Arts 1 DC.

Endorsement Course Sequences

The pages that follow are course programs of study in which students may choose to earn an Endorsement and the coherent course sequences.

Select the endorsement in which you are interested. You must meet prerequisites before enrolling in a course (listed in the course description). **Unless otherwise listed, you will need to complete four credits within the endorsement sequence.**

Pathways may change as the state of Texas makes annual revisions to courses and course standards.

Performance Acknowledgments

Students may earn an acknowledgment on their transcripts because of outstanding performance in areas such as dual credit courses and bilingualism and biliteracy; on Advanced Placement, International Baccalaureate, PSAT, ACT ASPIRE, the SAT or ACT exams; or by earning a state-, nationally-, or internationally-recognized business or industry certification.

BISD Endorsement Pathways

Arts & Humanities (Must have a 4th math and 4th science)

- **ART:** Art 1→Art 2→ Art 3→Art 4
- **BAND :** Band 1→ Band 2 → Band 3 → Band 4
- **CHOIR:** Choir 1 → Choir 2 → Choir 3 → Choir 4
- **SPANISH:** Spanish 1 → Spanish 2 → Spanish 3 → Spanish 4
- **THEATRE:** Theater 1 → Theater 2 → Theater 3 → Theater 4
- **COMBINATION:** By earning 4 credits from 2 areas above.

Business & Industry (Must have a 4th math and 4th science)

- **Agriculture, Food, And Natural Resources (Choose courses to equal 4 credits)**
 - Princ. of Ag, Food, & Natural Resources → Livestock Production → Small Animal Management(½)
 - Equine Science(½) → Veterinary Medical Applications → Adv. Animal Science
 - Agribusiness Management & Marketing → Food Processing→Wildlife, Fisheries & Ecology → Floral Design
- **Architecture and Construction (Choose courses to equal 4 credits)**
 - Principles of Construction → Electrical Technology → Plumbing Technology→ Construction Tech 1 DC (2)
 - Ag. Mechanics & Metal Tech → Ag. Structures Design & Fabrication → Ag. Power Systems DC (2)
- **Business (Choose courses to equal 4 credits)**
 - Business Information Mgmt. 1 → Business Information Mgmt. 2 → Money Matters →Fund. Of Comp. Sci.
 - Prin. of Business Marketing & Finance → Accounting1 → Accounting 2
 - Problems & Solutions 1 Dual Credit → Problems & Solutions 2 Dual Credit
- **Hospitality and Tourism (Choose courses to equal 4 credits)**
 - Prin. of Hospitality & Tourism → Intro to Culinary Arts → Culinary Arts 1 DC(2)
- **English (Must have English 4 and 3 courses in one area)**
 - Debate 1 → Debate 2 → Debate 3
 - Journalism News 1 → Journalism News 2 → Journalism News 3
 - Yearbook 1 → Yearbook 2 → Yearbook 3 → Yearbook 4
- **Technology Applications (Choose courses to equal 4 credits)**
 - Fund. Of Comp. Sci. → Graphic Design → Computer Science 1 → Computer Science 2

Public Service (Must have a 4th math and 4th science)

- **Education and Training (Choose courses to equal 4 credits)**
 - Princ. of Education and Training → Human Growth & Development
Instructional Practices in Education & Training 1 (2) → Practicum in Education & Training 2 (2)
- **Human Services (Choose courses to equal 4 credits)**
 - Prin. Of Human Svc→ Child Development→Child Guidance (2) →Practicum in Human Services (2)

STEM (Must take Algebra 2, Chemistry and Physics)

- **Math (Must select 2 courses)**
 - Precalculus → Precalculus DC → AP Calculus → Adv. Quantitative Reasoning → AP Statistics →Independent Studies in Mathematics (College Algebra) DC
- **Science (Must select 2 courses)**
 - Environmental Systems →AP Environmental Systems → AP/DC Biology → AP Chemistry → AP/DC Physics → Adv. Animal Science → Anatomy & Physiology→ Forensics→ Medical Micro Bio/Pathophysiology

Multidisciplinary Studies (Must have a 4th math and 4th science)

- Four credits in each of the four foundation subject areas to include English 4 and chemistry and/or physics.
- Four credits in advanced placement or dual credit selected from English, math, science, social studies, economics, languages other than English or fine arts.

ENGLISH LANGUAGE ARTS

1013 English 1

Preq: None

This course is a study of literature and language. Critical thinking skills are emphasized with literary readings providing models for analysis, discussion, and writing. Composition includes a study of the multi-paragraph essay with emphasis on exposition, narration, literary analysis, and research skills.

Credit: 1.0

Grade: 9

1001 English 1 Pre-AP

Preq: None

This course is a study of literature and language. Critical thinking skills and analysis are emphasized in both reading and composition to begin preparing students for the Advanced Placement Test.

Credit: 1.0

Grade: 9

1023 English 2

Preq: English 1

This course is a study of world literature and language. The relationship between historical events and their influence on literary movements, types, and techniques are emphasized. Critical thinking skills are emphasized with literary readings providing models for analysis, discussion, and writing. Composition includes a study of the multi-paragraph essay with emphasis on exposition, narration, persuasion, literary analysis, and research skills.

Credit: 1.0

Grade: 10

1002 English 2 Pre-AP

Preq: English 1

This course is a study of literature and language. Critical thinking skills and analysis are emphasized in both reading and composition to begin preparing students for the Advanced Placement Test.

Credit: 1.0

Grade: 10

1033 English 3

Preq: English 2

This course is a study of American literature from its colonial roots through modern works. The relationships between historical events and their influence on literary movements, types, and techniques are emphasized. Composition includes a study of the multi-paragraph essay with emphasis on exposition, narration, persuasion, literary analysis, rhetorical analysis, and research skills.

Credit: 1.0

Grade: 11

1003 English 3 (AP English Language)

Preq: English 2

This college prep course emphasizes preparation for the Advanced Placement English Language Exam, while exploring the historical development of American literature and rhetoric. Extensive reading and writing, especially timed writing, are an integral part of this course.

Credit: 1.0

Grade: 11

1006 English 3 DC

Preq: English 2, completed ApplyTexas & Qualifying Exam Scores (TSI Test)

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Students will earn high school credit as well as college credit in English 1301 and English 1302. Students must meet all dual credit admissions requirements as set by our cooperating college. (San Antonio College). Students will earn 3 college semester hours in the fall and 3 college semester hours in the spring.

Credit: 1.0

Grades: 11-12

1043 English 4

Preq: English 3

This course is a study of British literature from its Anglo-Saxon foundation through the modern period. The relationship between historical events and their influence on literary movements, types, and techniques are emphasized. Composition includes a study of the multi-paragraph essay with emphasis on exposition, narration, persuasion, literary analysis, rhetorical analysis, and research skills.

Credit: 1.0

Grade: 12

1004 English 4 (AP English Literature)

Credit: 1.0

Preq: English 3

Grade: 12

This college prep course emphasizes preparation for the Advanced Placement English Literature Exam while focusing on characteristics of works from the Anglo Saxon and to the Modern period. Extensive reading and writing, especially timed writing, are an integral part of this course. A literary research paper is required.

1005 English 4 DC

Credit: 1.0

Preq: English 3, completed ApplyTexas & Qualifying Exam Scores (TSI Test)

Grade: 12

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Students will earn high school credit as well as college credit in English 1301 and English 1302. Students must meet all dual credit admissions requirements as set by our cooperating college. (San Antonio College). Students will earn 3 college semester hours in the fall and 3 college semester hours in the spring.

2223 English 4 DC- British Literature DC

Credit: 1.0

Preq: completed ApplyTexas & Qualifying Exam Scores (TSI Test); English 3 DC (1301/1302)

Grade: 12

A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions (Eng2322).

This course fulfills the Language, Philosophy, and Culture foundational component area of the core, and addresses the following required objectives: Critical Thinking, Communication, Social Responsibility, and Personal Responsibility. 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. Texts will be selected from a diverse group of authors and traditions (Eng2323). Students will earn 3 college semester hours in the fall and 3 college semester hours in the spring.

1107 English Language College Prep

Credit: 1.0

Preq: English 3

Grade: 12

In this college preparatory course, students improve their reading and writing skills through engagement with a variety of texts across content areas and genres. As a result, students develop and express ideas clearly and effectively to communicate with different audiences for various purposes and occasions. Students must pass with an average grade of 75 or better on the three minimum essays and the comprehensive portfolio assessment in order to be considered TSI exempt for Alamo Colleges and UTSA. This course is intended to build the foundation for the study of Freshman Composition.

1042 Business English

Credit: 1.0

Preq: English 3

Grade: 12

Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions. The Business Management and Administration Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. In Business English, students enhance communication and research skills by applying them to the business environment, in addition to exchanging information and producing properly formatted business documents using emerging technology. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

SOCIAL STUDIES

4010 World Geography

Credit:1.0

Preq: None

Grades: 9-12

The World Geography course familiarizes students with the world using the five geographic themes and essential elements. Students should develop skills and knowledge about location, place, human/environmental interaction, movement, and regions. The course will require students to apply skills and knowledge to content information involving different regions of the world. Students will be able to apply their geographic knowledge to their community, state, nation, world, and themselves. Instruction will include the integration of concepts and principles from history, economics, geography, civics, and the humanities. Social Studies skill will be developed in class to prepare students for future social studies courses and AP courses. Areas to be covered: Geography Themes and Skills, North America (Canada, US, Mexico, Central America, West Indies), South America, Europe, North Africa and the Middle East, Sub-Saharan Africa, North Asia, South Asia, Australia, Antarctica, and the Pacific World.

4050 World History

Credit:1.0

Preq: None

Grades: 10-12

This course will provide a solid understanding of world history. It will enable students to better understand and evaluate the world and time in which they live by having a fundamental understanding of the past. This course will also cover major events and trends from ancient civilizations to the Cold War era. Within this chronology, this course will look at the history of culture, politics, diplomacy, society, education, economics, and more.

4051 AP World History

Credit:1.0

Preq: None

Grade: 10

This is a college-level course designed to teach students how to study world history as an historian would. The AP World History textbook, supplementary readings and tests are all written at the college level. The course content offers a truly global approach to world history: major cultural regions are given roughly equal weight. Students are required to do a great deal of independent learning outside of class; class time is dedicated to developing the analytical and writing skills necessary to succeed on the AP World History exam which is administered every year in May. Students are encouraged to take this exam.

4060 U.S. History

Credit:1.0

Preq: World Geography or World History

Grade: 11

U.S. History is a required course for graduation. In this course, students will study the history of the United States from Reconstruction to the present. Focus will be on the political, economic, and social events related to a variety of historical events. Students are expected to interpret, analyze, and use critical thinking skills to examine historical documents and primary sources. Students will be tested on a STAAR EOC at the end of the year.

4061 AP U.S. History

Credit:1.0

Preq: Wrld Geography or Wrld History-It is highly recommended to have taken (AP)Wrld History

Grade: 11

Advanced Placement United States History is designed to offer a college-level experience and training for the AP Exam given each May. Analyzing documents, mastering factual information, and writing critical essays are stressed throughout the course. Emphasis will be placed on key themes mandated by the College Board such as American diversity, American identity, culture, demographic changes, economic transformations, environment, globalization, politics and citizenship, reform, religion, slavery and its legacy, and war and diplomacy.

4068 U.S. History DC

Credit:1.0

Preq: Wrld Geography or Wrld History- highly recommended to have taken (AP)Wrld History; student must have an ApplyTexas & Qualifying Exam Scores (TSI Test)

Grade: 11

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

4030 Government

Credit:0.5

Preq: World Geography or World History, U.S. History

Grade 12

U.S. Government is designed to introduce students to an overview of U.S. and Texas government according to the guidelines set by the state of Texas. Students will be required to familiarize themselves with the purpose of government, the three branches of government and increase their civic knowledge regarding their rights and responsibilities as citizens.

4036 AP Government

Credit:0.5

Preq: World Geography or World History, U.S. History

Grade: 12

Advanced Placement United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret United States politics and the analysis of specific contemporary examples. It also requires students to familiarize themselves with the various institutions, groups, beliefs, and ideas that constitute our political system. Students are encouraged to take the AP Government exam in May.

4040 Economics

Credit:0.5

Preq: World Geography or World History, U.S. History

Grade: 12

The course is primarily a study of the American free enterprise system from both a micro-economic and macro-economic point of view. Other topics of study include investment, credit, international trade, and the role of government, labor, business, and the consumer in the economy.

4036 AP Macro Economics

Credit:0.5

Preq: World Geography or World History, U.S. History

Grade: 12

The purpose of an AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students are encouraged to take the AP Economics exam in May.

Additonal English and Social Studies Courses

Additional Social Studies Courses

4071 Sociology

Credit:0.5

Preq: Grade level requirement &World History or US History

Grades: 11-12

This course will provide the student with a better understanding of his own behavior as well as that of others. This course provides opportunity for the students to study elements of individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems.

4071 Psychology

Credit:0.5

Preq: Grade level requirement & World History or US History

Grades: 11-12

This course will provide the student with a better understanding of his own behavior as well as that of others. This course provides opportunity for the students to study elements of individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems.

4076 AP Psychology

Credit:1.0

Preq: Grade level requirement & World History or US History

Grades: 11-12

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. The aim is to provide a learning experience equivalent to that obtained in most college introductory psychology courses, and will prepare students to take the AP exam administered in May to obtain college credit.

AP European History

Credit: 1.0

Preq: Grade level requirement & World History or US History

Grades: 11-12

In AP European History, students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. The course is structured around six themes, and students develop disciplinary practices and reasoning skills as they investigate similar events in different time periods.

Additional English/Language Arts courses

1800 Journalism 1

Credit: 1.0

Preq: None

Grades: 9-12

This course is geared to the highly motivated student who desires a firm background in journalistic technique. This course covers the essential ingredients of newspaper writing including: news stories, feature, editorials, and headlines. This course will also stress the techniques of observation, interviewing, reporting, and ethics in the media. In addition, proofreading, editing, and newspaper layout will be covered.

1815-1817 Advanced Journalism: (Yearbook 1, 2, and 3)

Credit: 1.0

Preq: Teacher Approval Required

Grades: 10-12

Students will be given challenging, real world projects and rigorous assignments typical of the graphic design and publishing industries. High quality work is expected and must meet standards specified during instruction. Classroom activities will include reading, research, projects, and problem solving. Students will often work in teams, but will be expected to complete individual assignments in relation to the team's work. Assessment methods will include written exams, tests, and quizzes; reading assignments; and projects. The students will learn how to use the online yearbook production program.

- Students will be responsible for the design (production ladder, grid and modular design, font/color selection), writing (copy, captions, headlines, editing), photography (periodic after-school commitment required, quantity/quality of photos, basic photo editing skills), sales (target market, advertising, promotional material), and end-of-year distribution of the finished Bandera High School yearbook.

1600-1603 Debate

Credit:1.0

Preq: Must attend Debate Summer Camp & Theatre Director's Approval

Grades: 9-12

The preparation and delivery of debate arguments provides students with the opportunity to think critically, develop academic research skills, improve communication abilities, solve problems creatively, and increase self-confidence. It is a competitive course and students are required to attend two tournaments per semester. It also requires some supplies to be purchased. There are summer research assignments and a day camp in August.

1222 Academic Decathlon

Credit:1.0

Preq: Application, meeting with advisor.

Grades: 9-12

The academic decathlon course is a thematic course of study that changes from year to year. Students are provided the opportunity to learn specific materials about the topic of the year. Recent years, have had topics such as India, World War II, Africa, and Innovations in Technology. The students learn to excel academically through team competition. The decathlon students will engage in challenging multidisciplinary studies, develop study skills, as well as speaking and interview skills. Although the class is centered around a theme, it is also the proving ground for those that are interested in competing in the United States Academic Decathlon contests. A team will be selected of the best students to represent the school in competition. A strong work ethic is essential for success in this class.

MATHEMATICS

2210 Algebra 1

Credit: 1.0

Preq: Grade 8 math or equivalent

Grade: 9

Algebra 1 is designed to expand the basic arithmetic skills to a more abstract level required for advanced mathematics. Topics studied includes real number operations, function concepts, rational and polynomial concepts, linear functions, inequalities with one or two variables, graphs in a plane, square roots, and quadratic functions.

2310 Geometry • 2312 Geometry PAP

Credit:1.0

Preq: Algebra 1

Grades:9-12

This course provides a general study of plane and solid geometry. Techniques used in deductive reasoning will be introduced. Topics include Geometric properties, postulates and theorems, triangles, polygons, circles, geometric formulas, constructions, coordinate geometry, and transformations.

2400 Mathematical Models with Applications

Credit:1.0

Preq: Algebra 1 & Recommended Preq: Geometry

Grades: 10-12

Mathematical Models with Applications combines algebraic, geometric, and graphical reasoning to model and solve real -life applied problems involving money, data, chance, patterns, music, design, and science.

2350 Advanced Quantitative Reasoning (AQR)

Credit:1.0

Preq: Algebra 1, Geometry, and Algebra 2

Grades: 11-12

This course builds upon the foundations of students' mathematical experiences. It uses the analysis of information using statistical methods and probability, modeling change and mathematical relationships, and spatial and geometric modeling for mathematical reasoning. Students learn to become critical consumers of real-world quantitative data, knowledgeable problem solvers who use logical reasoning and mathematical thinkers who can use their quantitative skills to solve authentic problems.

2500 Algebra 2 • 2225 Algebra 2 PAP

Credit:1.0

Preq: Algebra 1 & Recommended Preq: Geometry

Grades:10-12

Algebra 2 is designed to increase skills in algebraic operations. Studies include the complex number system, higher-degree polynomials, and exponential and logarithmic functions, and second-degree equations, systems of linear equations, sequence and series, and application of algebraic skills through stated problems.

2550 College Algebra Dual Credit

Credit:1.0

Preq: Algebra 1, Geometry, Algebra 2; ApplyTexas & Qualifying Exam Scores (TSI Test)

Grades: 11-12

This dual credit math course allows a student college credit as well as high school credit. This course covers the in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. This course fulfills the Mathematics foundational component area of the core and addresses the following required objectives: Critical Thinking, Communication, and Empirical Quantitative Skills.(College Course Spring: Math 1314 College Algebra-students can earn 3 college credit semester hours.)

2410 Pre-Calculus (PAP)

Credit:1.0

Preq: Algebra 1, Geometry, & Algebra 2

Grades: 11-12

Topics in this college-preparatory course include functions and their graphs, trigonometric identities and equations, vectors, periodic functions, and trigonometric applications to the sciences. Pre-Calculus reviews and unifies the ideas and skills of algebra, geometry, and trigonometry for analytic applications.

2425 Pre-Calculus Dual Credit

Credit:1.0

Preq: ApplyTexas & Qualifying Exam Scores (TSI Test)

Grades: 11-12

This dual credit math course allows a student college credit as well as high school credit. It is taught at college level using college materials. This course provides the student with an understanding of a wide variety of advanced trigonometry and analytic geometry concepts and problem solving methods. (College Course Fall: Math 1414 College Algebra-students can earn 4 college credit semester hours. College Course Spring: Math 2412 Pre-Calculus-students can earn 4 college credit semester hours.)

2420 Calculus AP

Credit:1.0

Preq: Pre-Calculus or Department Chair Approval

Grades: 11-12

The ability to critically analyze a problem, make assumptions and observations, and drawing conclusions will be emphasized through topics such as functions, limits, derivatives, integrals, and their applications. This course is taught at the college level.

2430 Calculus Dual Credit

Credit:1.0

Preq: Pre- Calculus DC, ApplyTexas & Qualifying Exam Scores (TSI Test)

Grades: 11-12

This dual credit math course allows a student college credit as well as high school credit. This course requires the ability to critically analyze a problem, make assumptions and observations, and drawing conclusions will be emphasized through topics such as functions, limits, derivatives, integrals, and their applications. This course is taught at the college level. (College Course: Math 2413 Calculus- students can earn 4 college credit semester hours.)

2450 Statistics AP/Dual Credit

Credit:1.0

Preq: Algebra 2; if taking Dual Credit, student must have an ApplyTexas & Qualifying Exam Scores (TSI Test) Grades: 11-12

This is a college level course. If taking the Dual Credit section of this course a student can earn college credit as well as high school credit. The ability to investigate a task, explore data, organize a study, analyze and anticipate patterns, and interpret data will be emphasized through all topics of statistics with an emphasis on the graphing calculator and computer. (College Course: 1442 Statistics - students can earn 4 college credit semester hours.)

1108 College Preparatory Mathematics

Credit:1.0

Preq: Algebra 1, Geometry and Math Models or Algebra 2

Grade: 12

Topics include real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic fractions, complex numbers, graphing linear equations and inequalities, quadratic equations, systems of equations, and an introduction to functions. Emphasis is placed on developing the skills necessary to successfully complete an entry-level college mathematics course. Students will be required to solve problems with and without the use of a calculator.

2351 Mathematical Application in Agriculture, Food, and Natural Resources (Math AFNR)

Credit:1.0

Preq: Algebra 1, Recommended to have taken least one class from the Agriculture, Food, and Natural Resources Career Cluster

Grades:10-12

In Mathematical Applications in Agriculture, Food, and Natural Resources, students will apply knowledge and skills related to mathematics, including algebra, geometry, and data analysis in the context of agriculture, food, and natural resources.

2451 Statistics and Business Decision Making (STATBDM)

Credit:1.0

Preq: Algebra 2

Grades:10-12

Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to collect data to ensure conclusions are valid.

2352 Financial Mathematics

Credit:1.0

Preq: Algebra 1

Grades:10-12

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.

SCIENCE

3110 Biology 1

Preq: None

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; plants and the environment. The student will gain experience in manipulating the conditions of a laboratory investigation and in evaluating the applications of biological principles in everyday life.

Credit:1.0

Grades: 9-12

3112 Biology1 Pre-AP

Preq: None

Biology 1 Pre-AP is an intensified study of living organisms. The content is similar to Biology 1 but is more in depth and provides more analysis. The student should be able to critically assess biological information and to formulate bridges between vastly different biological phenomena. The student will study current advances and problems in biology, be able to state an informed opinion and support it with facts.

Credit: 1.0

Grades: 9-12

3005 Integrated Physics & Chemistry (IPC)

Preq: None

Integrated Physics and Chemistry (IPC) is a lab-oriented course that introduces basic concepts of physics and chemistry. The two disciplines are integrated in the topics of motion, waves, energy transformation, properties of matter, changes in matter, and solution chemistry. This course serves as a background for subsequent courses in chemistry and physics.

Credit: 1.0

Grades: 9-10

3210 Chemistry1

Preq: Biology

Chemistry is a course in which students will associate chemical principles to real world experiences. This year long, lab-oriented course will allow students to use scientific inquiry techniques for experimentation, data collection and analysis. To be successful in this course, students will need basic knowledge of algebra, the metric system and measurement conversions, and the periodic table.

Credit: 1.0

Grades: 10-12

3211Chemistry1 Pre-AP

Preq: Biology

This course is an intensified study of chemical principles. The content is a rigorous curriculum that includes mathematical applications in chemistry and a number of laboratory experiences. It is designed to prepare the student to advance to Chemistry AP. This year long, lab oriented course will allow students to use scientific inquiry techniques for experimentation, data collection and analysis. To be successful in this course, students will need a basic knowledge of algebra, the metric system and measurement conversions, and the periodic table.

Credit: 1.0

Grades:10-12

3200 AP Chemistry 2

Preq: Biology and Chemistry

AP Chemistry is open to all students who have completed a year of chemistry and wish to take part in a rigorous and academically challenging course. This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. It is intense and fast paced and will require extra time outside of class studying. As such, the course is suitable for high school students who exhibit high levels of commitment, motivation, and academic maturity. The problem-solving strategies and techniques obtained in this course will prepare college-bound students for career in the sciences, medicine, engineering and other technical areas. Students can also expect laboratory work with a formal lab report.

Credit: 1.0

Grades:11-12

3115 AP Biology • 3111 Biology Dual Credit

Credit:1.0

Preq: Biology & Chemistry 1; if taking Dual Credit student must have ApplyTexas & Qualifying Exam Scores (TSI Test)
Grades: 11-12
This is a college preparatory science elective that reinforces the concepts of Biology I and introduces population genetics, molecular genetics, recombinant DNA, human genetics, world ecology, evolutionary biology, cell biology, and biochemistry. (College Course Fall: Biology 1406- Biology for Science Majors. Students can earn 4 college credit semester hours. Spring: Biology 1407- Biology for Science Majors 2. Students can earn 4 college credit semester hours.)

3010 Physics • 3220 Physics PAP

Credit 1.0

Preq: Biology, Algebra 1 (Algebra 2 Recommended)

Grades: 11-12

Physics 1 is recommended for the college-bound student planning to specialize in any scientific or technical area. This course will explain the relationships between matter and energy. Topics will include; the atom, Motion, Energy & Sound waves, light, and electricity. The general concepts are with mathematical calculations at the Algebra 1 level. This course is mathematics intensive.

3012 AP Physics • 3009 Physics Dual Credit

Credit: 1.0

Preq: Biology; if taking Dual Credit student must have an ApplyTexas & Qualifying Exam Scores (TSI Test) & have completed PreCal DC

Grades: 10-12

This is a college level science elective. It is highly recommended that a student have a strong mathematical background. A student taking the dual credit section of this course can earn college credit and high school credit. This course is Algebra based and is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power, and mechanical waves and sound. It will also introduce electric circuits. (College Course Spring: Physics 1401-Students can earn 4 college credit semester hours.)

3230 Anatomy and Physiology

Credit:1.0

Preq: Biology, Algebra 1, Geometry; & either IPC or Chemistry

Grades: 11-12

Anatomy and Physiology is a time intensive course geared for those juniors and seniors interested in pursuing higher education and careers in the medical field or biological fields. This class entails a comprehensive and detailed study of the structures and functions of the human body. The obtainable knowledge in this class will enable students to understand the medical terminology of physicians, to make informed decisions, to enhance their own health and quality of life, and to aid them in making health care decisions for themselves and their families. The laboratory section of the class requires detailed dissection of organs and animals.

9312 Advanced Animal Science

Credit: 1.0

Preq: Biology, Algebra 1, Geometry; & either IPC or Chemistry; & either Small Animal Management, Equine Science, or Livestock Production

Grades: 11-12

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the interrelatedness of human, scientific, and technological aspects of animal science through field and laboratory experiences.

3240 Environmental Science

Credit: 1.0

Preq: Biology & either IPC, Chemistry, or Physics

Grades: 11-12

The goal of this science course is to provide students with the tools to understand the relationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the risks associated with these problems and to examine solutions for resolving and preventing these problems. This course is problem-based with real world connections for today's proactive student.

3241 AP Environmental Science

Credit: 1.0

Preq: Biology & either IPC, Chemistry, or Physics

Grades: 11-12

The goal of this science course is to provide students with the tools to understand the relationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the risks associated with these problems and to examine solutions for resolving and preventing these problems. This course is problem-based with real world connections for today's proactive student.

3242 Forensics

Credit: 1.0

Preq: Biology and Chemistry; Recommended 75 or higher in Chemistry

Grades: 12

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scenes. Using scientific methods, students will collect and analyze evidence through case studies.

3118 Medical Microbiology /3119 Pathophysiology

Credit: 1.0/1.0

Preq: Biology and Chemistry

Grades:11-12

Medical Microbiology. Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

Pathophysiology. In Pathophysiology, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology.

Foreign Language

5010 Spanish 1

Preq: None

Spanish I is the first course of a recommended two or three year sequence. It is designed to develop the fundamental language skills of listening, speaking, reading and writing. The study of vocabulary and grammar is presented in context, along with the culture of Spanish-speaking people.

Credit:1.0

Grades: 9-11

5020 Spanish 2

Preq: Spanish 1

Spanish II is the second course of the two year sequence for students. It is a continuation of the development of the fundamental language skills of listening, speaking, reading and writing with some emphasis on vocabulary and grammar. Students continue to study the culture, the people and their customs.

Credit:1.0

Grades: 9-12

5025 Spanish 2 PAP

Preq: Spanish 1

Spanish II Pre-AP is the second course in the sequence of this foreign language. This is a pre-advanced placement course and moves at a faster pace than Spanish 2. Students will continue to refine the four skills of listening, speaking, reading and writing by being exposed to an enriched and accelerated curriculum that emphasizes developing higher level of proficiency and a more comprehensive knowledge of vocabulary and grammar. Students continue to study the culture, the people and their customs.

Credit:1.0

Grades: 9-12

5030 Spanish 3

Preq: Spanish 1 & 2

Review of the fundamental communication skills of Spanish I and II, especially listening and speaking but also reading and writing, and study of more advanced language structures. In addition to homework to practice these skills, students will do reading and presentations about the peoples and cultures of Hispanic countries.

Credit:1.0

Grades: 10-12

5035 Spanish 3 PAP

Preq: Spanish 1 & 2

Spanish III Pre-AP continues the development of proficiency in all four fundamental skills. Although the study of vocabulary and grammar continues, the course concentrates on oral and written communication. The student will read and discuss a variety of cultural and literary selections and will have frequent opportunities to do independent, pair and group work.

Credit:1.0

Grades: 10-12

5040 Spanish 4 AP

Preq: Spanish 1, 2, & 3

Spanish V AP provides the student with an additional year of college preparatory Spanish to further refine the four language skills through a variety of independent, pair and small group activities. A major objective is preparation for the Advanced Placement Language Exam as well as other college/university placement exams.

Credit:1.0

Grades: 11-12

5050 Spanish 5 AP

Preq: Spanish 1, 2, 3, &4

Spanish V AP provides the student with an additional year of college preparatory Spanish to further refine the four language skills through a variety of independent, pair and small group activities. A major objective is preparation for the Advanced Placement Language Exam as well as other college/university placement exams.

Credit:1.0

Grades: 11-12

FINE ARTS

7010 Art 1

Preq: None

This is an introductory course for all visual arts and prerequisite for all other art classes. This course is an introduction to the basic elements and principles of design, and materials of visual art. Students express their thoughts and ideas creatively while fostering reflective thinking and developing disciplined effort and problem-solving skills.

Credit:1.0

Grades: 9-12

7014 Art 2

Preq: Art 1

Advanced level classes are designed for students who want to develop a more focused instruction in drawing, painting, or sculpture. The students are expected to have an understanding of the basic elements and principles of design. They will further explore technique and application of media and learn the benefits of critique and critique etiquette. Students will begin to study artists and artistic movements within culture. The Art 2 student is expected to produce advanced level artwork, meet specific deadlines, and work on multiple projects in class, as well as independent study.

Credit:1.0

Grades: 10-12

7015 Art 3

Preq: Art 2 (or one of the following: Drawing 2, Painting 2, Sculpture 2)

Advanced level classes are designed for the serious art student who is interested in research-based projects in the areas of drawing, painting, or sculpture. The students should have an advanced knowledge of the elements and principles of design. They will continue to perfect their technique and application of media, critique and critique etiquette. Students will continue to study artists and artistic movements within culture. The Art 3 student is expected to produce advanced, professional level artwork, meet specific deadlines, and work on multiple projects in class, as well as independent study. They will consider and explore careers in art and create a plan of action necessary to achieve such goals.

Credit: 1.0

Grades: 11-12

7016 Art 4

Preq: Art 3 (or one of the following: Drawing 3, Painting 3, Sculpture 3)

Advanced level classes are designed for the serious art student who is interested in research-based projects in the areas of drawing, painting, or sculpture. The students should have an advanced knowledge of the elements and principles of design. They will continue to perfect their technique and application of media, critique and critique etiquette. Students will continue to study artists and artistic movements within culture. The Art 4 student is expected to produce advanced, professional level artwork, meet specific deadlines, and work on multiple projects in class, as well as independent study. They will consider and explore careers in art and create a plan of action necessary to achieve such goals.

Credit: 1.0

Grades: 11-12

1806 Photography

Preq: None

This course will help the students become well rounded in the fundamentals of digital photography. Digital Photography is a yearlong course that focuses on understanding the basic operations and functions of a digital single lens reflex camera and the manipulation of its settings to achieve a specific result. Students will learn about photographic elements of art and principles of design, composition, and lighting. They will explore the history of photography, learning about its scientific and technological developments, important innovators in the field, and relevance within diverse cultural contexts. Students will write and speak about aesthetic, technical and expressive qualities in a photograph, learning to critique their own and other's work. Students learn image techniques and digital manipulation using Adobe Photoshop and Lightroom, teaching them how to archive, organize and optimize their photographs for print or web purposes.

Credit:1.0

Grades: 9-12

7241 Applied Music

Preq: Concurrent registration in band

Applied music is a band director guided and self-guided enrichment course for band members on their respective instruments. Involved are one-on-one lessons format with band directors, as well as larger ensemble activities. Band members that enroll in this

Credit:1.0

Grades: 9-12

course are expected to participate in All-Region band auditions, as well as utilize SmartMusic practice software. The introduction of, components of, and performance as a jazz band are included in this course, along with opportunities during the year to perform.

7210 Band 1 • 7220 Band 2 • 7230 Band 3 • 7240 Band 4

Credit:1.0

Preq: Band Director's Approval

Grades: 9-12

The fall semester of this course emphasizes the simultaneous coordination of physical movement with instrumental performance; the spring semester emphasizes concert performance. The organization actively participates in University Interscholastic League contests including Marching, Concert and Sight Reading, and Solo and Ensemble and the Association of Texas Small School Bands all-state band audition process. Other performance opportunities include various community parades, pep rallies, football halftime shows and concerts. Rehearsal begins approximately the first week in August prior to the start of each school year. After marching season, auditions are held for placement into one of two concert bands. Counts as PE credit - fall semester only.

7250-7253 Choir 1-4

Credit:1.0

Preq: None for Choir 1, Specific course sequence

Grades: 9-12

Choir stresses basic skills in proper vocal production and music reading. Membership in this organization provides opportunity for the student to develop personal strengths and positive attitudes toward ensemble participation through the learning of both popular and serious music. Students will perform in several concerts throughout the year.

7260-7263 Chorale Choir 1-4

Credit:1.0

Preq: Audition and Choir Director's Approval

Grade 9-12

The students in this organization will be freshmen (with director approval), sophomore, junior, and senior girls. Membership is gained only through an audition process.

7255-7258 Jazz Choir 1-4

Credit:1.0

Preq: Audition and Choir Director's Approval

Grades 9-12

Jazz Choir is a small group choir made up of male and female students who would perform Jazz/Pop music alone and with the Jazz Band. Membership in this group is gained only through an audition process.

7337 Music Appreciation (can also be taken as Dual Credit)

Credit:1.0

Preq: if taking Dual Credit, must have an ApplyTexas & Qualifying Exam Scores (TSI Test)

Grades: 9-12

Learn about the wide variety of music in our world. Study about composers and their works, music of other cultures, and the various forms and styles of American music, including serious composition, the American musical, jazz, and rock.

7449 Piano

Credit:1.0

Preq: None

Grades: 9-12

Beginner level course designed to teach basic music theory concepts and fundamentals needed to perform on the piano. It will increase musical understanding by teaching students chords and keys, accompaniment patterns, and improvisational techniques. Students will have the opportunity to participate in solo and ensemble playing, develop good practice habits and learn techniques to increase the agility and flexibility of their hands. We will delve into music at its source, find how music is constructed, and discover the composers and history behind the music. Through the use of basic computer music programs students will have the opportunity to explore basic music technology and its applications to composition, arrangement, and music recording techniques. At the completion, each student will have learned to play some of the standards of piano repertoire while gaining an understanding of the history and basic theory concepts of music, as well as some experience with music technology. Instruments: Digital Piano Keyboards and Headphones will be provided by the school to use during class.

9315 Floral Design

Credit:1.0

Preq: Grade Level Requirement

Grades: 10-12

To be prepared for careers in floral design, students need to attain academic skills and knowledge as well as technical knowledge and skills related to horticultural systems and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students develop respect for the traditions and contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations.

7110 Theatre Arts

Credit:1.0

Preq: None

Grades: 9-12

This course presents an overview of theatre arts. The first semester concentrates on performing techniques, improvisations, voice, oral interpretation, play interpretation, structure, and performance. Members of this class will produce a short play that includes all facets of theatre study. The second semester will focus on the historical development of drama and its impact on today's theatre with emphasis on independent student research. Preparation and perfection of duets, improvisations, and interpretation pieces are part of the ongoing performance opportunities this semester. Two main stage performances are available to Theatre I.

7111 Theatre 2 • 7112 Theatre 3 • 7114 Theatre 4

Credit:1.0

Preq: Theatre 1 & Theatre Director's Approval

Grades: 10-12

These are independent study courses that require teacher approval.

7105-7108 Technical Theatre

Credit:1.0

Preq: Theatre 1 and Theatre Director's Approval

Grades: 9-12

This course is designed for students who wish to be involved in theatre without actual performance requirements. Technical theatre is a hands-on class where students will learn to build sets and props, paint scenery, create sound tracks and handle lights for theatre productions.

7100-7103 Theatre Production 1-4

Credit:1.0

Preq: Audition, Theatre 1, Theatre Director's Approval

Grades: 9-12

This is an in-depth study of performance theatre covering acting, directing, make-up, costuming, publicity, lighting, and sound. This is an advanced specialization course. The course includes competition one-act play.

Physical Education and Athletics

8101 Independent Sport Boys • 8201 Independent Sport Girls

Credit:1.0

Preq: None

Grades: 9-12

PE class where students in individual sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

8103 Team Sport Boys • 8203 Team Sport Girls

Credit:1.0

Preq: None

Grades: 9-12

PE class Students in team sports are expected to develop health-related fitness and an appreciation for teamwork and fair play. Like the other high school physical education courses, Team Sports is less concerned with the acquisition of physical fitness during the course than reinforcing the concept of incorporating physical activity into a lifestyle beyond high school.

8301-8304 Boys Athletics

Credit:1.0

Preq: Will need to complete a physical

Grades: 9-12

Competitive Sports: Numerous athletic programs under UIL affiliation are offered for students in high school. Students who participate in athletics may earn a maximum of two state units and 2 elective units in physical education. Prospective athletes wishing to compete in any sport must have permission from the head coach of the sport of their choice.

8401-8404 Girls Athletics

Credit:1.0

Preq: Will need to complete a physical

Grades 9-12

Competitive Sports: Numerous athletic programs under UIL affiliation are offered for students in high school. Students who participate in athletics may earn a maximum of two state units and 2 elective units in physical education. Prospective athletes wishing to compete in any sport must have permission from the head coach of the sport of their choice.

Health Science

Courses for Endorsement Pathways

Health Science

9700 Principles of Health Science

Credit:1.0

Preq: Grade Level Requirement

Grades: 9-12

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

9706 Health Science

Credit:1.0

Preq: Principles of Health Science

Grades: 10-12

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation and career preparation learning.

9705 Sports Med 1

Credit:1.0

Preq: None

Grades: 9-12

This course is an introduction to the broad discipline of Sports Medicine/Athletic Training. Students will learn First Aid, basic taping and bandaging techniques and the principles used in the prevention, care, and rehabilitation of athletic injuries. Anatomy, physiology, exercise, and nutrition will be covered as it relates to Sports Medicine.

9715/9716 Sports Med 2/3

Credit:1.0

Preq: Sports Med 1, application/approval from athletic trainer

Grades: 10-12

This class is designed for students in fields such as athletic training, physical therapy, or medicine. This class will involve practice and game coverage, first aid and emergency care, assistance in the day to day operations of the athletic training room, and team travel as necessary. All student athletic trainers in Sports Medicine 2 & 3 must complete one year of the Sports Medicine 1 class.

Public Service

9201 Principles of Education and Training

Credit:1.0

Preq: None

Grades: 9-12

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge as well as educational and career information to analyze various careers within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

9208 Human Growth and Development

Credit:1.0

Preq: Principles of Education & Training

Grades: 10-12

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

9500 Instructional Practices

Credit:2.0

Preq: Principles of Ed and Training, Human Growth & Development

Grades: 11-12

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

9501 Instructional Practices 2: Practicum in Ed & Training

Credit:2.0

Preq: Instructional Practices

Grade: 12

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

Human Services

9803 Principles of Human Services

Credit:1.0

Preq: None

Grades:9-12 Principles

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

9205 Child Development DC

Credit:1.0

Preq: Principles of Human Services, must have an ApplyTexas & Qualifying Exam Scores (TSI)

Grades:10-12 Child

Development is a technical lab course that addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use the skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

Business & Industry – Hospitality and Tourism

9202 Principles of Hospitality and Tourism

Credit:1.0

Preq: None

Grades: 9-12

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

9209 Introduction to Culinary Arts

Credit:1.0

Preq: Principles of Hospitality and Tourism

Grades: 10-12

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Introduction to Culinary Arts will provide insight into food production skills, various levels of industry management, and hospitality skills. This is an entry level course for students interested in pursuing a career in the foodservice industry. This course is offered as a classroom and laboratory-based course.

9240 Culinary Arts 1 DC

Credit:2.0

Preq: Principles of Hospitality and Tourism, Introduction to Culinary Arts; an ApplyTexas

Grades: 11-12

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

Business and Industry -

Agriculture, Food, and Natural Resources

9327 Agribusiness Management and Marketing

Credit: 1.0

Preq: FFA member and compete in at least one FFA Fall LDE and one FFA Spring CDE

Grades: 9-12

To be prepared for careers in agribusiness systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to agribusiness marketing and management and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. 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.

9324 Food Processing

Credit:1.0

Preq: Grade Level Requirement

Grades: 10-12

Food Processing focuses on the food processing industry with special emphasis on the handling, processing, and marketing of food products. To prepare for careers in food products and processing systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to natural resources and the workplace. Exploration of the food products industry intended to illustrate the diversity of animal products, food product production practices and general food science principles. Emphasis is placed on student's knowledge of general food science practices and animal derived products.

9310 Equine Science

Credit:0.5

Preq: None

Grades: 9-12

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules.

9323 Small Animal Management

Credit: 0.5

Preq: None

Grades: 9-12

To be prepared for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. 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.

9317 Wildlife, Fisheries, and Ecology Management

Credit:1.0

Preq: None

Grades: 9-12

To be prepared for careers in natural resource systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to natural resources, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the management of game and non-game wildlife species, fish, and aqua crops and their ecological needs as related to current agricultural practices.

9302 Livestock Production

Credit:1.0

Preq: None

Grades: 9-12

To be prepared in careers in the field of animal science, students need to attain academic skills and knowledge, acquire knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

9316 Vet Med Application

Credit:1.0

Preq: Grade Level Requirement; Equine Science, Small Animal Management, or Livestock Production

Grades 11-12

To be prepared for careers in the field of animal science, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

***Business and Industry -
Architecture & Construction***

9305 Agricultural Mechanics and Metal Technology

Credit:1.0

Preq: None

Grades: 9-12

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course 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.

9306 Ag Structures Design and Fabrication

Credit: 1.0

Preq: Ag Mechanics and Metal Technology

Grades: 10-12

To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

9326 Agricultural Power Systems DC

Credit: 2.0

Preq: Ag Mech and Metal Technology, Ag Structures Design and Fabrication, ApplyTexas application.

Grades:11-12

To be prepared for careers in agricultural power, structural, and technical systems, students should 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. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. (College Course Spring: SMAW 128: students can earn 3 college credit semester hours.)

9320 Principles of Construction

Credit:1.0

Preq: None

Grades: 9-12

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

9402 Construction Technology

Credit:2.0

Preq: Ag Structures Design and Fabrication

Grades: 11-12

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

Business & Industry - Business

9135 Principles of Business Marketing and Finance

Credit:1.0

Preq: None

Grades: 9-12

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

9100 Business Information Management 1 (BIM)

Credit:1.0

Preq: None

Grades: 9-12

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.

9105 Business Information Management 2

Credit:1.0

Preq: BIM

Grades: 10-12

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

9106 Problems and Solutions 1 Dual Credit

Credit:1.0

Preq: BIM and Approved Dual Credit Application & qualifying exam scores (TSI)

Grades: 10-12

This course builds on the skills learned in BIM but involves more in-depth projects. Presentation software, spreadsheet, database, telecommunications and desktop publishing concepts and skills are taught on a more advanced level using Microsoft Office, Internet Explorer, Microsoft Publisher or other software. Students will be provided the opportunity to receive Microsoft Certification in Word and PowerPoint. Students focus on decision-making skills, time-management skills, business communication skills and positive work attitude. (College Course Fall: ITSW 1301 -Students can earn 3 college credit hours. College Course Spring: ITSW 1310-Students can earn 3 college credit hours.)

9129 Fundamentals of Computer Science

Credit:1.0

Preq: None

Grades: 9-12

Students will learn about the computing tools that are used every day. Students will foster their creativity and innovation through opportunities to design, implement, and present solutions to real-world problems. Students will collaborate and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will learn the problem-solving and reasoning skills that are the foundation of computer science. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations and concepts.

9137 Money Matters

Credit:1.0

Preq: None

Grades: 9-12

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. Students 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 investments, tax planning, asset allocation risk management, retirement planning, and estate planning.

9130 AP Computer Science

Credit:1.0

Preq: Algebra 1 : Fund. Comp. Sci. recommended.

Grades: 10-12

Through the study of technology applications foundations, including technology-related terms, concepts, and data input strategies; students learn to make informed decisions about technologies and their applications. The efficient acquisition of information includes the identification of task requirements; the plans for using search strategies; and the use of technology to access, analyze, and evaluate the acquired information. By using technology as a tool that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results. Students communicate information in different formats and to diverse audiences. A variety of technologies will be used. Students will analyze and evaluate the results. At this time the preferred language for instruction in this course is JAVA.

9131 AP Computer Science 2

Credit:1.0

Preq: AP Computer Science 1

Grades: 11-12

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

Co-Operative Work Program

9600 Career Prep 1 • 9601 Career Prep 2

Credit: 3.0

Preq: 16 years of age or older, must maintain employment throughout school year at an approved training station within SCUCISD boundaries for 15+ hours per week (at least 10 hours must be worked Monday – Friday.)

Grades: 11-12

Are you ready to get out of school and get to work? This class is a combination of classroom technical instruction and on-the-job training in an approved training area. These training areas may include Agriculture, Business Education, Marketing, Family Consumer Science, Law Enforcement and Health Care Science. Students will learn employability skills, job interviewing techniques, communication skills, financial and budgeting activities, human relations and will develop a personal portfolio. CareerSafe OSHA Certification will be completed during this course.

Bandeja ISD Dual-Credit Equivalent Table

Alamo Colleges Course #	Alamo College's Course Title	College Credit (Semester Hours)	BISD High School Course Title	HS Credit
MATH 1414	College Algebra	4	PreCal D.C. (Fall Sem)	0.5
MATH 2412	Pre Calculus	4	PreCal D.C. (Spring Sem)	0.5
MATH 2413	Calculus	4	Calculus D.C.	1
MATH 1442	Statistics	4	Statistics AP/DC	1
BIO 1406	Biology for Science Majors 1	4	Biology 2 D.C. (Fall Sem)	0.5
BIO 1407	Biology For Science Majors 2	4	Biology 2 D.C. (Spring Sem)	0.5
ITSW 1301	Intro to Word Processing	3	Problems & Solutions 1 D.C. (Fall Sem)	0.5
ITSW 1310	Intro to Presentation Graphics	3	Problems & Solutions 1 D.C. (Spring Sem)	0.5
ITSW 1304	Intro to Spreadsheet Applications	3	Problems & Solutions 2 D.C. (Fall Sem)	0.5
ITSW 1307	Intro to Database Management	3	Problems & Solutions 2 D.C. (Spring Sem)	0.5
MATH 1314	College Algebra	3	Independent Study in math D.C. (Spring Sem)	1
English 1301 English 1302	Composition 1 Composition 2	3 3	English 3/4 DC Fall English 3/4 DC Spring	0.5 0.5
ENGL 2322 ENGL 2323	British Literature 1 British Literature 2	3 3	English 4 DC Fall English 4 DC Spring	0.5 0.5
PHYS 1401	Physics	4	Physics D.C. (Spring Sem)	0.5
	TBD		Culinary 1 DC	2
WLDG 1434	Intro to Shielded Metal Arc	4	Ag Power DC (Spring Sem)	2
HIST 1301 HIST 1302	United States History 1 United States History 2	3 3	US History DC (Fall Sem) US History DC (Spring Sem)	1
CDEC 1319	Child Guidance	3	Child Development DC (Spring Sem)	1
MUSI 1306	Music Appreciation	3	Music Appreciation DC	1



P.O. Box 727 - Bandera 78003 (830) 460-3890

First Day of School : August 19, 2019
Last Day of School: May 22, 2020
Students: 170 days, Teachers: 187 days
Bad Weather Makeup Days: April 13 & May 26
School Day Length: 450 minutes (Elem & Sec)

First Semester

1st Six Weeks	29 days	13,050 minutes
2nd Six Weeks	28 days	12,600 minutes
3rd Six Weeks	24.5 days	11,025 minutes
Total	81.5 days	36,675 minutes

Second Semester

4th Six Weeks	27 days	12,150 minutes
5th Six Weeks	29 days	13,050 minutes
6th Six Weeks	32.5 days	14,625 minutes
Total	88.5 days	39,825 minutes
Yearly Total	170	76,500 minutes

Progress Reports:	Report Cards:
September 12, 2019	October 3, 2019
October 24, 2019	November 14, 2019
December 12, 2019	January 9, 2020
January 30, 2020	February 20, 2020
March 19, 2020	April 9, 2020
April 30, 2020	May 22, 2020

LEGEND:

	Student & Teacher Holiday
pd tr w	Professional Development Day (Student Holiday) Or Trade Day (Student Holiday) Or Work Day (Student Holiday)
E	Early Release Day (12:00 PM for students) Minutes must be made up if district falls under 75,600 minutes.
bw	Bad Weather Makeup Day to make up for any missed days.

BANDERA ISD TELEPHONE NUMBERS

Aitek Elementary	(830) 460-3900
Hill Country Elementary	(830) 460-3901
Bandera Middle School	(830) 460-3899
Bandera High School	(830) 460-3898
Transportation Department	(830) 460-3897

Bandera ISD Communications - (830) 460-3890 ext.2003
 • Board Approved: March 18, 2019

2019-2020 BISD SCHOOL CALENDAR

July 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

January 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6w	(7)	8	9	10	11
12	13	14	15	16	17	18
19	20pd	21	22	23	24	25
26	27	28	29	30	31	

August 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5w	6w	7pd	8pd	9pd	10
11	12p	13pd	14pd	15w	16w	17
18	(19)	20	21	22	23	24
25	26	27	28	29	30	31

February 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17pd	(18)	19	20	21	22
23	24	25	26	27	28	29

September 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	(30)					

March 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

October 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14pd	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	(6)	7	8	9	10	11
12	13 BW2	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

November 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	(11)	12	13	14	15	16
17	18	19	20	21	22	23
24	25tr	26tr	27	28	29	30

May 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22E	23
24	25	26 w/bw	27w	28	29	30
31						

December 2019

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20E	21
22	23	24	25	26	27	28
29	30	31				

June 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				