Barbers Hill High School

Course Catalog
2010-2011

The Barbers Hill ISD Course Catalog is designed to provide curriculum information for the 2010-2011 school year. This catalog will assist in course selections that will meet goals for the future, as well as satisfy graduation requirements. It is critical that you read carefully the requirements for your graduation prior to making selections. It is equally important to read through the course descriptions for all courses that you are interested in taking in order to ensure that you meet the requirements for the class.

* All students will be required to have twenty-six (26) credits to graduate with the Recommended or Distinguished Achievement Program.

* The student must also pass all parts of the Exit-level Texas Assessment of Knowledge and Skills test (TAKS) to receive a diploma.

Credit Requirements

Local vs. State Credits

State credit indicates that the State of Texas recognizes the course credit for graduation. Local credit is awarded to students taking courses that are locally approved but NOT recognized by TEA for graduation. Local credits do not count towards the mandatory number of credits to graduate.

Transfer of Credits

Barbers Hill ISD recognizes and accepts credits only from accredited public and private high schools. A High School Counselor and/or Registrar will evaluate the transcript upon arrival.

Dual Credit/College Credit Opportunities

Students may earn college hours and high school credit by enrolling in concurrent courses at participating community colleges. Students must apply for admission and meet all of the college requirements to be eligible for high school and college credit. Students must receive approval from the administration prior to enrollment.

Advanced Placement Exams

Students may take approved College Board Exams for college credit and/or placement.

Tech Prep and/or Articulated Credit

College credit may be awarded for specific Career and Technology Education (CTE) courses for students who meet Tech Prep requirements and continue their education at a local community college. Some CTE courses receive state-wide articulation credit that can be used in colleges throughout the state of Texas.

Grade Classification

Grade Classification is established at the beginning of the fall semester and is based on the total number of credits that a student has accumulated. Grade classification will NOT be changed at semester.

Ninth Grade = 0.0 - 5.5 credits
Tenth Grade = 6.0 – 12.5 credits
Eleventh Grade= 13.0 – 18.5 credits
Twelfth Grade= 19.0 or more credits

2010-2011 Graduation Requirements
Recommended and Distinguished Achievement Programs

COURSES	Recommended Program Credits Required	Distinguished Program Credits Required
English *English I, II, III, IV*	4	4
Mathematics *Algebra I, Geometry, Algebra II, *4th year option*	4	4
Science *Biology, Chemistry, Physics, *4th year option*	4	4
Social Studies *W. Geography, W. History, US History, Government*	3 ½	3 ½
Economics	½	½
Physical Education	1	1
Electives	5 ½	4 ½
Communication Applications	½	½
Foreign Language *Any level of the same language*	2	3
Fine Arts *Art, Dance, Theatre, Choir, Band*	1	1
TOTAL CREDITS REQUIRED	**26**	**26**

Additional Recommended Program Guidelines:

*Mathematics- Math Models may be counted as one of the four required credits; however **must** be taken prior to Algebra II.

*Science- IPC may be counted as one of the four required credits; however **must** be taken prior to Chemistry and Physics.

Additional Distinguished Achievement Program Guidelines:

*Mathematics- Math Models will NOT count as one of the four required credits.

*Science- IPC will NOT count as one of the four required credits.

Foreign Language- Three levels of the same language.

Advanced Measures- Student must achieve four advanced measures through any combination of dual credit and/or AP coursework. A 3 or higher must be earned on an AP exam and/or a B in a college class.

AP Exam=1 measure
Semester of Dual Credit=1 measure

Required Courses

Language Arts

ENGLISH 1 (ENG 1)
GRADE LEVEL: 9
One Year
Prerequisite: None

English 1 seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. Emphasis is placed on real-world language skills and on those skills necessary to master state-mandated tests. A research project will be required. A minimum of three major works will be covered. Students will be expected to complete much of their reading assignments outside of class.

COLLEGE PREP ENGLISH 1 (ENG 1 CP)
GRADE LEVEL: 9
One Year
Prerequisite: A strong work ethic and love of reading are encouraged.

Advanced Academic English 1 seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. A research project will be required. A minimum of five major works will be covered with an additional book and related assignment to be completed during the summer. Students will be expected to complete much of their reading outside of class.

PRE-AP/GT ENGLISH 1 (ENG 1 GT)
GRADE LEVEL: 9
One Year
Prerequisites: While this course is designed to meet the needs of gifted students, enrollment is open to any student willing to sign a contract agreeing to work at the level described below. A committee may exit students who fail to exhibit satisfactory performance each six weeks. Satisfactory performance is defined as a grade of 70 or higher each six weeks as stated in the district GT plan.

English 1 Pre AP/GT is a preparatory course designed for students who plan to take AP tests later in their high school careers. It is a rigorous study of literature with an emphasis on literary analysis. A research paper will be written, and students will do other research projects. A minimum of six major works will be covered with an additional two books with related assignments to be completed during the summer. Students will be expected to complete most of their reading outside of class. Most writing assignments will be literature based, but opportunities for creative writing will be provided.

ENGLISH 2 (ENG 2)
GRADE LEVEL: 10
One Year
Prerequisite: English 1

English 2 seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. Emphasis is placed on real-world language skills and on those skills necessary to master state-mandated tests. A research project will be required. A minimum of three major works will be covered. Students will be expected to complete much of their reading assignments outside of class.

COLLEGE PREP ENGLISH 2 (ENG 2 CP)
GRADE LEVEL: 10
One Year
Prerequisites: English 1; A strong work ethic and love of reading are encouraged.

Advanced Academic English 2 seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. A research project will be required. A minimum of

five major works will be covered with an additional book and related assignment to be completed during the summer. Students will be expected to complete much of their reading outside of class.

PRE-AP/GT ENGLISH 2 (ENG 2 GT)
GRADE LEVEL: 10
One Year
Prerequisites: English 1; While this course is designed to meet the needs of gifted students, enrollment is open to any student willing to sign a contract agreeing to work at the level described below. A committee may exit students who fail to exhibit satisfactory performance each six weeks. Satisfactory performance is defined as a grade of 70 or higher each six weeks as stated in the district GT plan.

English 2 Pre AP/GT is a preparatory course designed for students who plan to take AP tests later in their high school careers. It is a rigorous study of literature with an emphasis on literary analysis. A minimum of six major works will be covered with an additional two books with related assignments to be completed during the summer. Students will be expected to complete most of their reading outside of class. Most writing assignments will be literature based, and students will be guided through the research process which will culminate in a formal paper.

ENGLISH 3 (ENG 3)
GRADE LEVEL: 11
One Year
Prerequisite: English 2

English 3 is a study of American literature arranged chronologically, with selected works of world literature. It seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. Emphasis is placed on real-world language skills and on those reading and composition skills necessary to pass the exit-level TAKS. A research paper on a selected career is required. A minimum of three major works will be covered. Students will be expected to complete much of their reading assignments outside of class.

COLLEGE PREP ENGLISH 3 (ENG 3 CP)
GRADE LEVEL: 11
One Year
Prerequisites: English 2; A strong work ethic and love of reading are encouraged.

Advanced Academic English 3 is a study of American literature arranged chronologically. This college preparatory class seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. Students will also practice those reading and composition skills necessary to pass the exit-level TAKS. A research paper on a selected career is required. In addition, students are required to choose an author, read his works and compare/contrast the two in a literary paper. A minimum of five major works will be covered. These works are followed by a literary analysis. An additional book and related assignments are to be completed during the summer. Students will be expected to complete much of their reading outside of class.

AP/GT ENGLISH 3 (APLAN/APLANG)
GRADE LEVEL: 11
One Year
Prerequisites: English 2; While this course is designed to meet the needs of gifted students, enrollment is open to any student willing to work at the level described below. A committee my exit students who fail to exhibit satisfactory performance each six weeks. Satisfactory performance is defined as a grade of 70 or higher each six weeks as stated in the district GT plan.

English 3 AP/GT is a rigorous course designed for students who wish to earn college credit by examination while in high school. This course is a study of American literature and world literature with emphasis on preparation for the Advanced Placement examination in Language and Composition. Students will be exposed to prose written in a variety of periods, disciplines, and rhetorical contexts. Students will practice writing in a variety of modes and for a variety of purposes, including expository, analytical, and argumentative essays. A research paper will be written. A minimum of six major college-level works will be covered with an additional two works with related assignments to be completed during

the summer. Students enrolled in English 3 AP/GT are encouraged to take the Advanced Placement examination in May.

ENGLISH 4 (ENG 4)
GRADE LEVEL: 12
One Year
Prerequisite: English 3

English 4 is a study of British literature arranged chronologically. It seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. Emphasis is placed on real-world language skills. A research paper is required. A minimum of four major works will be covered. Students will be expected to complete some reading assignments outside of class. Emphasis on SAT vocabulary and college entrance application/scholarship writing.

COLLEGE PREP ENGLISH 4 (ENG 4 CP)
GRADE LEVEL: 12
One Year
Prerequisite: English 3; A strong work ethic and love of reading are encouraged.

Advanced Academic English 4 is a study of British literature arranged chronologically, with selected works of world literature. This college preparatory class seeks to improve students' language arts skills through the integrated study of literature, grammar, vocabulary, and writing. A research paper is required. A minimum of five major works will be covered with an additional book and related assignment to be completed during the summer. Students will be expected to complete much of their reading outside of class.

AP/GT ENGLISH 4 (APLIT/APLITG)
GRADE LEVEL: 12
One Year
Prerequisites: While this course is designed to meet the needs of gifted students, enrollment is open to any student willing to level described below. A committee may exit students who fail to exhibit satisfactory performance each six weeks. Satisfactory performance is defined as a grade of 70 or higher each six weeks as stated in the district GT plan.

English 4 AP/GT is a rigorous course designed for students who wish to earn college credit by examination while in high school. This course is a study of British literature and world literature with emphasis on preparation for the Advanced Placement examination in Literature and Composition. Students will study many genres of literature with a special emphasis on poetry. Students will practice writing in a variety of modes with an emphasis on literary analysis.

A literature-based research paper is required, and students will do other research projects. A minimum of six major works will be covered with an additional three books and related assignments to be completed during the summer. Students enrolled in English 4 AP/GT are encouraged to take the Advanced Placement examination in May.

DUAL CREDIT ENGLISH 4 (ENG 4 DC)
GRADE LEVEL: 12
Two Semesters
Prerequisites: TAKS: ELA-2200 Writing-3, ACT 23 (19 on Eng, Math), SAT 1070 (500 on Critical Reading, Math) or ACCUPLACER. Failure to complete this course could result in not meeting graduation requirements.

The course is intended for students who wish to complete studies in secondary school that also apply as two college semesters in English Composition. This dual credit course offers a study of the principles of effective writing with an emphasis on British and World Literature. English 1301 focuses on a concentrated study of the fundamentals of English usage and provides training in accurate reading and writing of prose, chiefly expository. English 1302 explores the principles of effective writing through

analysis of selected novels, short stories, poems and plays. Both courses include the study of the principles of library research and the techniques of writing research papers. Student will earn **3 hours** of college credit per semester for this course, provided they earn a “C” or better. Students can also earn an Advanced Measure if they earn a “B” or better in the course. Tuition for this course is $171.00 a semester.

Mathematics

Regular track (emphasis is placed on the state-mandated tests)

Algebra I → Geometry → Math Models → Algebra 2

College Prep track (preparing student to enter four year university)

Algebra I CP → Geometry CP → Algebra 2 CP → Algebra 3 / Pre Calculus CP / Pre Calculus Pre AP / AP Statistics

Pre AP and AP track (strong math student or student who plan to pursue math/science course of study)

8th grade Algebra I Pre AP → Geometry Pre AP → Algebra 2 Pre AP → Pre Calculus Pre AP / AP Statistics → AP Calculus / AP Statistics

Junior (Class of 2011)

Regular track

Algebra I → Geometry → Algebra 2 → Algebra 3 / Pre Calculus / Pre Calculus Pre AP / AP Statistics

Pre AP and AP track

8th grade Algebra I Pre AP → Geometry Pre AP → Algebra 2 Pre AP → Pre Calculus Pre AP / AP Statistics → AP Calculus / AP Statistics

ALGEBRA 1 (ALG 1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

Emphasis is placed on basic algebra skills necessary to master state-mandated tests. Algebra 1 is a one-year, one-credit course which covers the following topics: solving equations, problem-solving, polynomials, factoring, algebraic fractions, inequalities, rational and irrational numbers, and quadratic equations.

ALGEBRA 1 COLLEGE PREP (ALG I CP)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

A student planning academic studies at a two-year or four-year college or university should take Algebra 1 College-Prep. This course includes the same topics covered in Algebra 1 but takes each one further in depth and uses more application than the non college-prep.

GEOMETRY (GEOM)
GRADE LEVEL: 9-12
One Year
Prerequisite: Algebra 1

Emphasis is placed on basic geometry skills and on those skills necessary to master state-mandated tests. Geometry is a one-year, one-credit course which covers the following topics: logical arguments, lines, segments, angles, triangles and other polygons, circles, solid geometry, and measurement.

GEOMETRY COLLEGE PREP (GEOM CP)
GRADE LEVEL: 9-12
One Year
Prerequisite: Algebra 1

A student planning academic studies at a two-year or four-year college or university should take College Prep Geometry. This course includes the same topics covered in Geometry but takes each one further in depth and uses more application than the non college-prep.

PRE-AP GEOMETRY (GEOM PAP)
GRADE LEVEL: 9-12
One Year
Prerequisite: Pre AP Algebra or an 85+ average is recommended in Algebra 1.

Pre-AP Geometry is for strong math students and/or students who plan to pursue a math/science course of study. Pre-AP Geometry includes the same topics covered in Geometry but is a more in-depth approach at a much faster pace. **Any student who fails Pre-AP Geometry for two consecutive six-weeks may be moved to College Prep Geometry.**

MATHEMATICAL MODELS WITH APPLICATIONS (MATH MOD)
GRADE LEVEL: 11
One Year
Prerequisite: Geometry

Mathematical Models with Applications is a one-year, one-credit course designed for students who have successfully completed Algebra 1 and Geometry and have difficulty with the abstract reasoning required in Algebra 2. In this course students will review and strengthen their algebra and geometry skills to prepare them for Algebra 2. This course involves collecting and analyzing data using multiple approaches (algebraic, graphical, and geometric) to solve problems from a variety of disciplines:

probability, personal income, credit, financial planning, science, art and music.
This class will not count toward graduation on the Distinguished Achievement Program.

ALGEBRA 2 (ALG 2)
GRADE LEVEL: 10-12
One Year
Prerequisite: Geometry

College-bound students generally advance from geometry to Algebra 2. Algebra 2 is a one-year one-credit course covering the following topics: Inequalities, linear equations and functions, polynomials, rational expressions, irrational and complex numbers, quadratic equations, coordinate geometry, exponential and logarithmic functions, matrices and determinants.

ALGEBRA 2 COLLEGE PREP (ALG 2 CP)
GRADE LEVEL: 10-12
One Year
Prerequisite: Geometry

A student planning academic studies at a two-year or four-year college or university should take College Prep Algebra II. This course includes the same topics covered in Algebra but takes each one further in depth and uses more application than the non college-prep.

PRE-AP ALGEBRA 2 (ALG 2 PAP)
GRADE LEVEL: 11-12
One Year
Prerequisite: Pre-AP Geometry OR an 85+ average is recommended in Geometry.

Pre-AP Algebra 2 is for strong math students and/or students who plan to pursue a math/science course of study. Pre-AP Algebra 2 includes the same topics covered in Algebra 2 with a stronger emphasis on functions. This class is a more in-depth approach at a much faster pace. **Any student who fails Pre-AP Algebra 2 for two consecutive six-weeks may be moved to Algebra 2.**

ALGEBRA III – INDEPENDENT STUDY IN MATHEMATICS (INSTUMTH**)**
GRADE LEVEL: 11-12
One Year
Prerequisites: Algebra 2

Designed for students who have completed Algebra II, but who need to strengthen their algebra skills before taking Pre-Calculus or college-level math. Students will extend their level of mathematical skills and reasoning beyond the topics covered in Algebra II. Some topics include functions (linear, quadratic, polynomial, exponential, logarithmic, etc.), and basic trigonometry. This course should be effective in preparing students for taking a basic College Algebra course. Students may NOT take this course after earning 1/2 credit in Pre-Calculus.

PRE-CALCULUS (PRE-CALC**)**
GRADE LEVEL: 11-12
One Year
Prerequisites: Algebra 2

Pre-Calculus is a one-year, one-credit course designed for students who have successfully completed Algebra 2 and Geometry. Students use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. These mathematical concepts will include functions, their graphs and applications; trigonometry; and selected discrete mathematics topics. This course is designed for students who are planning to attend college, but have been in the regular mathematics program.

PRE-CALCULUS COLLEGE PREP (PRE-CALC CP**)**
GRADE LEVEL: 11-12
One Year
Prerequisites: Algebra 2, only class of 2012

A student planning academic studies at a two-year or four-year college or university should take College Prep Algebra II. This course includes the same topics covered in Algebra but takes each one further in depth and uses more application than the non college-prep.

PRE-AP PRE-CALCULUS (PRE-CALC PAP)
GRADE LEVEL: 11-12
One Year
Prerequisites: Pre-AP Algebra 2 and Pre-AP Geometry or a grade of 85+ is recommended in both Algebra 2 and Geometry.

Pre-AP Pre-Calculus is for strong math students and/or students who plan to pursue a math/science course of study. Pre-AP Pre-Calculus includes the same topics as Pre-Calculus. This class is designed for college-bound students who have been successful in the Pre-AP mathematics program. This class is a more in-depth approach at a much faster pace. **Any student who fails Pre-AP Pre-Calculus for two consecutive six-weeks may be moved to Pre-Calculus.**

AP CALCULUS (AP CALC)
GRADE LEVEL: 12
One Year
Prerequisites: Pre-Calculus or Pre-AP Pre-Calculus

AP Calculus is a one-year, one-credit course designed for students who have successfully completed trigonometry and analytic geometry or pre-calculus. The course is a study of elementary functions, limits of functions, derivatives, integral and techniques of integration, and applications. Minimum number of students for AP Calculus will be required for the class to be offered.

AP STATISTICS (AP STAT)
GRADE LEVEL: 11**-**12
One Year
Prerequisites: Pre-AP Algebra II OR an 90+ average is recommended in Algebra II.

AP Statistics is a year-long introductory course to statistics. The purpose of this AP course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will explore and analyze data using graphical and numerical techniques. Students will also use probability and statistical inferences to develop an appropriate model for data collected. AP Statistics can be taken alone or in conjunction with another math course.

TAKS PREPARATION (TAKS M)
GRADE LEVEL: 12
Fall Semester and/or Spring Semester (Local Credit)

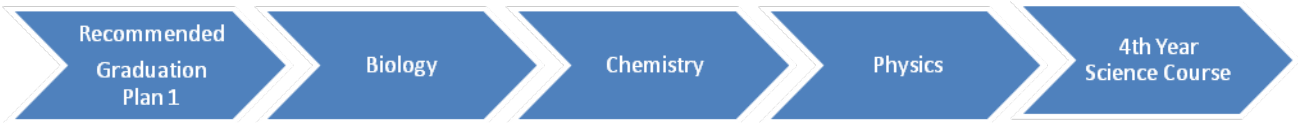
Prerequisite: Failure on the Exit Level Exam for Math; department chair approval.

This course allows students to receive individualized instruction in preparation for TAKS testing. Course objectives include: linear functions, equations, and inequalities, quadratic functions, geometric relationships, measurement and similarity, and probability and statistics.

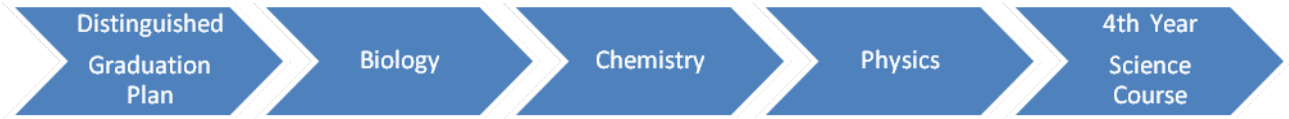
Science

All students are encouraged to register for College Prep (CP) or Pre-AP courses when registering for Biology, Chemistry, and Physics.

Recommended Plan: College Prep (CP) and/or Pre AP level classes can be taken



Distinguished Plan: College Prep (CP) and/or Pre AP level classes can be taken



BIOLOGY 1 (BIO I)
GRADE LEVEL: 9-10
One Year
Prerequisite: None

This course is a general survey class for the main biological concepts. Students will study the origin, structure, reproduction, growth and development of living organisms. Areas of study include the nature of life, ecology, cells, genetics, evolution, microorganisms, fungus, plants, invertebrates, chordates, and the human body. Basic scientific skills of observation, measurement, classification, prediction, and documentation skills will be emphasized. Dissections are a part of the curriculum.

INTEGRATED PHYSICS AND CHEMISTRY (IPC)
GRADE LEVEL: 9-10
One Year
Prerequisite: None

This course is for the minimum plan and the recommended plan only, but be taken prior to Physics and Chemistry. This course is taught by a hands-on method, covers the important principles of both chemistry and physics. Each discipline is studied for one semester – Chemistry: Properties of matter, atoms, periodic table, chemical reactions - Physics: Motion, forces, simple machines, energy, electricity, magnetism, sound and light. Basis scientific skills of observation, measurement, prediction, and the scientific method will be emphasized. IPC can provide the foundation of success in chemistry and

physics. TAKS preparation will also be emphasized. This course no longer fulfills a science credit for students on the Distinguished Achievement Plan.

PRE-AP BIOLOGY (BIO PAP)
GRADE LEVEL: 9–10
One Year
Prerequisite: Algebra I or concurrent enrollment

Pre-AP Biology is a preparatory class for AP Biology. This is an advanced Biology I that includes all elements of that course. Instruction is at a faster pace which allows study of topics in greater depth. Four to six major out of class projects will be required. Problem solving, reasoning skills and analysis questions will be included on each unit of study. Emphasis is placed on laboratory investigations. Dissections are a part of the curriculum. Students who fail to maintain a 70 or above may be referred to the counseling center for placement in Biology.

AP BIOLOGY (AP BIO)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisites: Pre-AP Science Classes Recommended

AP Biology serves as a college-level introduction to biology, biochemistry, microbiology, and related topics. The course was created by the College Board to introduce high school students to a freshman college classroom environment. The curriculum follows the College Board AP course outline. It is designed to challenge the minds of those whose goal is to major in the Biological Sciences. This fast-paced course covers molecular and cellular biology, evolutionary biology, molecular genetics, organisms and populations of the world. By the use of technology, 12 major College Board labs plus numerous higher level labs from Duke University will be assigned. Students will correlate all objectives and apply concepts with world events and the latest data on record. Journals, power points, newspapers, forums, field trips, and outside texts will be used. In conjunction with tests and labs, there will be one major research paper which will be due in April. Emphasis is placed on AP test preparation.
Passing scores on the AP Biology Exam (3, 4, or 5) will count as one of the four required measures for the Distinguished Achievement Program.

CHEMISTRY 1 (CHEM I)
GRADE LEVEL: 10 -12
Prerequisite: Biology; Algebra 1; Requires departmental recommendation and principal approval.

This Chemistry 1 Class uses a descriptive approach to cover the study of matter. Topics will include the introductory principles of chemistry such as, atoms, elements, reactions, states of matter, use of chemical compounds, gas laws, and stoichiometry. Basic scientific skills of observation, measurement, prediction, and the scientific method will be emphasized. TAKS preparation will also be emphasized. This course is recommended for students pursuing vocational training, technical schools or will join the work force upon graduation.

COLLEGE PREP CHEMISTRY 1 (CHEM I CP)
GRADE LEVEL: 10-12
One Year
Prerequisite: Biology; Algebra 1

This class will cover introductory principles of chemistry in a traditional manner. Topics to be covered include properties of matter, atomic structure, chemical bonding, reactions, states of mater, uses of chemical compounds, gas laws, pH, solutions and stoichiometry with an emphasis on math skills laboratory procedures, classification and measurement skills, predicting outcomes, and applications of chemistry to daily life will be a critical component. Recommended for students wishing to pursue a college education in a non-science degree field. Emphasis will be placed on preparation for college courses, the Exit Level TAKS test objectives and developing lab skills.

PRE-AP CHEMISTRY 1 (CHEM 1 PAP)
GRADE LEVEL: 10-12
One Year
Prerequisite: Pre-AP Biology or Biology; Geometry, Algebra 2 or concurrent enrollment

Pre-AP Chemistry is a preparatory course for AP Chemistry and/or a rigorous college-level chemistry course. Topics of study include atomic theory, chemical bonding, chemical formulas and equations, stoichiometry, gas laws, acids and bases, and organic chemistry with an emphasis on developing laboratory skills. Instruction is at a faster pace than College Prep Chemistry 1, which permits investigation of topics at a greater depth. Recommended for students who are strong in math and science and who are planning a college major in medicine, science or related fields. Emphasis is placed on laboratory investigations and preparation of the AP Chemistry Class. Students who fail to maintain a 70 or above may be referred to the counseling center for placement in College Prep Chemistry 1.

AP CHEMISTRY (AP CHEM)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisites: Grade of 85 or above in Pre-AP Chemistry recommended; Algebra 2, Pre-Calculus or concurrent enrollment recommended; Pre-AP Science Classes recommended.

AP Chemistry is a very rigorous course that is comparable to a first-year college level chemistry course. Students use a college text and perform advanced laboratory investigations to prepare for the AP Chemistry exam. The curriculum follows the College Board AP courses outline. Topics include thermodynamics, kinetics, equilibrium, acids and bases, reaction rates, and organic chemistry. Recommended for students who are strong in math and science and who are planning a college major in medicine, chemical engineering, science or related fields. Passing scores on the AP Chemistry Exam (3, 4, or 5) will count as one of the four required measures for the Distinguished Achievement Program.

PHYSICS 1 (PHYS)
GRADE LEVEL: 11-12
One Year
Prerequisite: Biology; Chemistry, Algebra 1, Geometry, and Math Models or Algebra 2 or concurrent enrollment. Requires departmental recommendation and principal approval.

This Physics Class uses a descriptive approach to cover the study of motion, forces, simple machines, waves, light, sound optics, electricity, and magnetism. Basic scientific skills of observation, measurements, prediction, and the scientific method will be emphasized. TAKS preparation will also be emphasized. This course is recommended for students pursuing vocational training, technical schools or will join the work force upon graduation.

PHYSICS COLLEGE PREP (PHYS CP)
GRADE LEVEL: 11-12
One Year
Prerequisite: Biology, Chemistry, Algebra 1, Geometry, and Algebra 2 or concurrent enrollment0.)

Students will learn the fundamental rules that govern the physical universe. The topics included are: motion, forces, conservation laws, waves, sound, light, optics, electricity, magnetism, and atomic theory. Laboratory experiments are an essential part of physics. Students will use the lab to collect and analyze data, and then use it to draw reasonable conclusions which they will communicate clearly. Mathematical applications are emphasized. Recommended for students wishing to pursue a college education in a non-science degree field. Emphasis will be placed on preparation for college courses, the Exit Level TAKS test objectives, and development of proficient lab skills.

PRE-AP PHYSICS (PHYS PAP)
GRADE LEVEL: 11-12
One Year
Prerequisite: Grade of 85 or above in Chemistry recommended, Algebra 2, Pre-calculus or concurrent enrollment recommended; Pre-AP Science Classes recommended.

This course is an advanced version of Physics that includes all the elements of that course. Emphasis will be placed on the formulation of models used to solve problems. In addition, major emphasis will be placed on independent research projects. The focus of the research is literature search, experimental design, data collection, data analysis and presentation of findings. Laboratory experiments are an essential part of physics. Students will use the lab to collect and analyze data, and then use it to draw reasonable conclusions which they will communicate clearly. The Pre-AP physics course offers students extensive inquiry experiences in which the major concepts involving the physical interactions of matter are developed through labs and classroom discussions. Mathematical applications are emphasized. Recommended for students who are strong in math and science and who are planning a college major in medicine, engineering, or related fields. Emphasis is placed on laboratory investigations and preparation of the AP Physics Class. Students who fail to maintain a 70 or above may be referred to the counseling center for placement in College Prep Physics.

AP PHYSICS (AP PHYS)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Grade of 85 or above in Physics or Chemistry recommended; Algebra 2, Pre-calculus or concurrent enrollment recommended; Pre-AP science classes recommended.

AP Physics B is a **college-level course** that uses advanced algebra and trigonometry as the primary tools for problem solving. The course covers topics in Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves/optics and atomic/nuclear physics. This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry, but rarely calculus. In most colleges, this is a one-year terminal course including a laboratory component and is not the usual preparation for more advanced physics and engineering courses. However, the B course provides a foundation in physics for students in the life sciences, pre-medicine, and some applied sciences, as well as other fields not directly related to science. Passing scores on the AP Physics Exam (3, 4, or 5) will count as one of the four required measures for the Distinguished Achievement Program.

SCIENTIFIC RESEARCH AND DESIGN (SCI/R&D)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Pre-AP Biology 1, Pre-AP Chemistry 1, Department Chair and Academic Dean approval. Physics is a requirement for those pursuing a physics or engineering related topic.

This advanced course allows seniors to participate in rigorous scientific research. This research will culminate with a product that clearly demonstrates the thorough valid statistical analysis of data, advance scientific investigation, research skills and applications, and presentation skills of the student. Students, individually or in small groups, will design and conduct a biology, chemistry or physics experiment to compete in a local, state, national, or international competition. Students will work on their projects and submit documentation approximately each six weeks to the instructor, department chair and Academic Dean. Students signing up for this class must exhibit initiative, self-motivation, and a strong interest in science. Projects must be completed and submitted to the appropriate organization by the due dates. Previous lab experience in advanced science classes is a necessity. By meeting all guidelines, the product that results from this class will be used to satisfy the Original Research/Project measure for the distinguished Achievement Program. Needs of GT students can be addressed through participation in this course. Students who fail to meet submission may be referred to the counseling center for removal.

SCIENCE TAKS PREPARATION (TAKSSC)
GRADE LEVEL: 12
Fall Semester and/or Spring Semester (Local Credit)
Prerequisite: Exit Level Exam for Science; department chair approval.

This course allows students to receive individualized instruction in preparation for TAKS testing. Course objectives include: the nature of science, organization of living systems, interdependence of organisms, structure/properties of matter, and motion/forces/energy.

ENVIRONMENTAL SYSTEMS (ENVIR)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Successful completion of IPC, Biology, Chemistry OR Biology, Chemistry, Physics. Successful completion of Algebra 1, Geometry, Algebra 2 or Math Models.

A laboratory based course which integrates the study of ecology and natural resources. Energy, recycling, pollution, population dynamics and cultural perspectives will be studied. The successful student should be able to develop written and oral discussions on different topics. Students who have weak reading skills or weak arithmetic skills may have problems with this course. Students are expected to use computer technology, including the use of probe-ware.

AP ENVIRONMENTAL SCIENCE (APENVI)
GRADE LEVEL: 11-12 (4th year Science)
One year
Prerequisite: Successful completion of Biology, Chemistry, Physics. Successful completion of Algebra 1, Geometry, Algebra 2.

In AP Environmental Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. The course is interdisciplinary, focusing on both rigorous scientific analysis as well as sociological and political aspects. AP Environmental Science encompasses a wide variety of topics including: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources in environmental systems; sources and flow of energy though and environmental system; relationship between carrying capacity and changes in populations and ecosystems; man's influence on the environment; and changes in environments.

ANATOMY AND PHYSIOLOGY OF HUMAN SYSTEMS (ANTPHY)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Successful completion of Biology, Chemistry and Physics

In the Anatomy and Physiology of Human Systems course student conduct in-depth investigations of anatomy and physiology of human systems including circulatory, nervous, endocrine, and respiratory systems. They learn environment factors that affect the body and how the body maintains homeostasis.

AQUATIC SCIENCE (AQSCI)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Successful completion of Biology, Chemistry and Physics

In the Aquatic Science course students will investigate a variety of topics that include: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adoptions of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

EARTH AND SPACE SCIENCE (ERTSPSCI)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Successful completion of Biology, Chemistry and Physics

In the Earth and Space Science course students study a variety of topics that integrates concepts form geology, meteorology, oceanography, astronomy, ecology and other important Earth science concepts. Students will study formation, characteristics, consider and history of the Earth, planetary concepts. Students will study formation, characteristics, conditions and history of the Earth, planetary systems, and the universe. The course is designed to teach around three themes (1) Earth in Space and Time (astronomy, change in Earth overtime), (2) Solid Earth (geology, biogeochemical cycles), and the (3) Fluid Earth (hydrology, oceanography, meteorology). Students will also study the impact of human activities on the Earth's environment as they investigate current issues such as energy use and conservation, global warming, pollution control, etc.

MEDICAL MICROBIOLOGY (MICRO)
GRADE LEVEL: 11-12 (4th year Science)
One Year
Prerequisite: Successful completion of Biology, Chemistry and Physics

The Medical Microbiology course allows students to learn the relationship between microbes and health, including an in-dept understanding of the role of microbes in maintaining health and in causing disease. Students learn microbiology laboratory techniques and explore health careers.

Social Studies

WORLD GEOGRAPHY (W GEOG)
GRADE LEVEL: 9
One Year
Prerequisite: None

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

PRE-AP WORLD GEOGRAPHY (W GEOG PAP**)**
GRADE LEVEL: 9
One Year
Prerequisite: None

The purpose of this Pre-AP course is to prepare our highly motivated students for the rigorous and fast-paced Advance Placement classes at the 10^{th}, 11^{th}, and 12^{th} grade levels. This course provides a study of world geography, with emphasis on skills necessary for success in the advanced placement social studies program. In World Geography Studies students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. Students describe the influence of geography on events of the past and present. A significant portion of the course centers around the physical processes that shape patterns in the physical environment: the characteristics of major land forms, climates, and ecosystems and their interrelationships; the political, economic, and social processes that shape cultural patterns of regions; types and patterns of settlement; the distribution and movement of world population; relationships among people, places, and environments; and the concept of region. Students analyze how location affects economic activities in different economic systems throughout the world and identify the processes that influence political divisions of the planet and analyze how different points of view affect the development of public policies. Students compare how components of culture shape the characteristics of regions and analyze the impact of technology and human modifications on the physical environment. They also use problem-solving and decision-making skills to ask and answer geographic questions.

WORLD HISTORY (W HIST)
GRADE LEVEL: 10
One Year
Prerequisite: None

This class will study the development of civilization from the Paleolithic period to present. This is a fast-moving course that covers all the major events that have affected the progress of the world.

AP WORLD HISTORY (AP W HIST**)**
Grade Level: 10
One Year
Prerequisite: None

The purpose of AP World History is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of change in international frameworks and their causes and consequences, as well

as comparisons among major societies. It emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms and organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study.

DUAL CREDIT WORLD HISTORY (W HIS DC)
GRADE LEVEL: 10
Two Semesters
Prerequisite: ELA-2200 Writing-3 Math-2200, ACT 23 (19 on Eng, Math), SAT 1070 (500 on Critical Reading, Math) or ACCUPLACER.

The course is intended for students who wish to complete studies in secondary school that also apply as two college introductory semesters in World History. The dual credit course in World History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in World History. The course highlights the nature of change in international frameworks and their causes and consequences, as well as comparison among major societies. The course will explore the understanding of culture, institutional, and technological precedents that along with geography, set the human stage. History 2321 covers the pre-history to the early river civilizations to the classical and post classical empires through the Middle Ages to the start of the Renaissance. History 2322, taught in the spring, covers history from the Renaissance thru the era of Revolution and imperialism, into the 20th century, the Great War, WW II, to decolonization to the 21st century. Student will earn **3 hours** of college credit per semester for this course, provided they earn a "C" or better. Students can also earn an Advanced Measure if they earn a "B" or better in the course. Tuition for these courses is $173.00 per semester (Includes a $2.00 course fee)

U.S. HISTORY (US HIST)
GRADE LEVEL: 11
One Year
Prerequisite: None

In this course, which is the second part of a two-year study of American history that begins in Grade 8, students study the history of the United States from 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.

COLLEGE-PREP U.S. HISTORY (US HIST CP)
GRADE LEVEL: 11
One Year
Prerequisite: None

Besides meeting the requirements of a regular U.S. History course, College-Prep U.S. History is a class with more independent reading and writing. This is to prepare you for the rigor of the freshman U.S. History course everyone must take in college. Students will be given instruction in reading a textbook effectively, taking notes efficiently, and composing written answers to essay questions.

AP U.S. HISTORY (AP/GT US HIST)
GRADE LEVEL: 11
One Year
Prerequisites: Identification as gifted/talented or at least two years of advanced English with demonstrated ability in history recommended.

Designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history in a manner equivalent to that obtained in most college introductory United States history courses. The course will be conducted as a survey course in which a college textbook, with supplementary readings in the form of documents, essays, or books on special themes, provides substantive and thematic coverage in such special fields as economic history, cultural and intellectual history, social history, political-constitutional history and diplomatic history. The

course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

DUAL CREDIT U.S. HISTORY (US HIS DC)
GRADE LEVEL: 11
Two Semesters
Prerequisite: ELA-2200 Writing-3 Math-2200, ACT 23 (19 on Eng, Math), SAT 1070 (500 on Critical Reading, Math) or ACCUPLACER.

The course is intended for students who wish to complete studies in secondary school that also apply as two college introductory semesters in U.S. History. The dual credit course in U.S. 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 course will explores the economic, cultural and intellectual, social, political-constitutional, and diplomatic history of our nation from the pre-colonial days to the present-day. This is primarily a lecture course supplemented by audio-visual presentations and class discussions. A research paper/project will be required for this class. Student will earn **3 hours** of college credit per semester for this course, provided they earn a "C" or better. Students can also earn an Advanced Measure if they earn a "B" or better in the course. Tuition for these courses is $173.00 per semester (Includes a $2.00 course fee)

GOVERNMENT (GOVT)
GRADE LEVEL: 12
One Semester
Prerequisite: None

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. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. Students identify the role of government in the U.S. free enterprise system and examine the strategic importance of places to the United States. Students analyze the impact of individuals, political parties, interest groups, and the media on the American political system, evaluate the importance of voluntary individual participation in a democratic society, and analyze the rights guaranteed by the U.S. Constitution. Students examine the relationship between governmental policies and the culture of the United States.

AP GOVERNMENT (AP GOVT**)**
Grade Level: 12
One Semester (Spring)
Prerequisite: None

AP Government, *Government & Politics*, studies the nature and function of the American national political system. This course will give students an analytical perspective on government and politics in the United States. This course includes the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It begins with a brief study of the framework of American political values and traditions. It also incorporates the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Most of the focus is given to the essential components, institutions, and processes through which the political system operates as well as the public policy that is adopted and implemented.

ECONOMICS-FREE ENTERPRISE (ECO-FE)
GRADE LEVEL: 12
One Semester
Prerequisite: None

Economics involves the study of the different economic systems, with an emphasis on the free enterprise system. The course will include the study of monetary and fiscal policy in respect to how each affects our economy. Study of the stock market and investment strategies will also be part of the course in economics. Entrepreneurship will be studied through the use of the Junior Achievement Program when possible and as time permits.

Other Required Courses

COMMUNICATION APPLICATIONS (COMAPP)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students learn to identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. These skills include sending clear verbal messages for desired results, listening actively, and using body language effectively. Fulfills state speech requirement.

Elective Courses

Art

ART 1 (ART 1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

Art 1 provides experience in design, drawing, sculpture, painting and crafts. Emphasis is on using the elements of art and principles of design to develop visual thinking and problem solving skills. You do not need to be a craftsman or creative in art, just willing to experiment.

ART 2 (ART 2)
GRADE LEVEL: 10-12
One Year
Prerequisite: Art 1 with an average of 85 or above recommended and approval of teacher.

Studio projects are created in response to the study of different eras in art history. Emphasis will be placed on understanding the role of art and the artist in society. Skills and more advanced techniques are developed in drawing, painting, ceramics, and crafts.

ART 3 (ART 3)
GRADE LEVEL: 11-12
One Year
Prerequisite: Art 2 with an average of 85 or above recommended and approval of teacher.

Studio projects are created in response to the study of different eras in art history. Emphasis will be placed on understanding the role of art and the artist in society. Skills and more advanced techniques are developed in drawing, painting, ceramics, and crafts. Students will work alongside Art 2 students while delving deeper into history and technique. Students in Art 3 will work at a more independent level occasionally setting goals and determining objectives in line with given assignments.

ART 4 (ART 4)
GRADE LEVEL: 12
One Year
Prerequisite: Art 2 or 3 with an average of 85 or above recommended and approval of teacher.

An independent endeavor into art media and techniques. The student sets goals for independent projects, determines objectives, activities, and evaluation guidelines for each project proposal as well as evaluating his/her projects. There are significantly more assignments in Art 4 and students will be expected to work on projects in class as well as numerous outside projects, to be completed on their own time. Assessment through class critiques are a regular part of this course. A commercial art project and research into an art topic are required. This course can provide a chance for students to prepare for the AP level portfolio.

AP ART (AP STARDT)
GRADE LEVEL: 11-12
One Year
Prerequisite: Art 1 or Art 2 and approval of teacher. Art 4 recommended.

AP level art class demands a commitment from students beyond the normal art level. The successful student must be highly motivated and willing to devote the time needed to expand and stretch to higher level visual thinking skills. This will require a significant amount of time outside of normal class time. Students are encouraged to think, solve problems their own way, make informed decisions, have a discerning eye, and become interested in historical and contemporary art issues. Assessment through class critiques are a regular part of this course. AP Art challenges students and prepares them for the exam for college credit. **To receive AP credit students must submit a portfolio.**

Athletics/PE

ATHLETICS-BOYS (PE EQ)
GRADE LEVEL: 9-12
One Year
Prerequisites: If you were a student in the district the previous school year, you must be in the Athletics (strength and conditioning) Program for at least one semester at the middle school or high school to be eligible to participate. New students to the district do not have to meet this requirement.

Athletics involves strength and conditioning exercises. Some of these involve weightlifting, running, agility drills, quickness drills, mat drills, and individual sport drills. These are all designed to make each individual the best athlete he can be.

ATHLETICS-GIRLS (PE EQ)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

Athletics involves strength and conditioning exercises. Some of these involve weightlifting, running, agility drills, quickness drills, mat drills, and individual sport drills. These are all designed to make each individual the best athlete she can be.

FOUNDATIONS OF PERSONAL FITNESS (PE 1A)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

This is the first of three required high school PE courses. It sets the stage for lifelong fitness activities by providing the student a knowledge base about fitness and fitness activities in general, and then personalizing that information by providing opportunities for the student to develop a fitness profile and plan of his/her own needs based on the principles learned.

PHYSICAL EDUCATION (PE)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Physical Education is for individuals who do not participate in athletics. Activities involve weightlifting, running, volleyball, basketball, tennis, flag football, badminton, and track and field.

ATHLETIC TRAINER (ATH TRA)
GRADE LEVEL: 10-12
One Year
Prerequisite: Application to course required. Student may not enter at mid-term.

An introductory course designed to train students to assist the head trainer with taping, bandaging, injury assessment, exercise rehabilitation, record keeping, cardio pulmonary resuscitation and other lifesaving techniques, equipment set up and repair, and providing training coverage of events. Applications are available in the Counseling Office.

CHEERLEADING (CHEER)
GRADE LEVEL: 9-12
Fall Semester/PE credit; Spring Semester/Local credit
Prerequisite: Must be a member of the Barbers Hill Cheerleading Squad

In the fall students learn cheerleading techniques to use during the school year. Students are required to practice routines, dances, cheers, and stunts. During the spring semester students condition to prepare for the upcoming season. Students also work on spirit signs and spirit days used for all athletic events.

DANCE 1
GRADE LEVEL: 9-12
One Year
Prerequisite: Must be a member of the Eaglette Drill Team
Dance 1 is an introductory course designed to develop foundational skills in beginning dance movement, technique, terminology, choreography, performance, history, and etiquette. Students are required to be physically active and participate in flexibility, conditioning, and muscle strengthening exercises that will development kinesthetic awareness and promote a strong, healthy, and fit body. Students will also use this course to help prepare for performances to be given by the Barbers Hill Eaglettes.

DANCE 2
GRADE LEVEL: 9-12
One Year
Prerequisite: Dance 1; Must be a member of the Eaglette Drill Team

This is an intermediate level course designed to continue the development of foundational skills taught in Dance I. Students will focus on development of dance movement, technique, terminology, choreography, performance, history and etiquette. Students are required to be physically active and participate in flexibility, conditioning, and muscle strengthening exercises that will development kinesthetic awareness and promote a strong, healthy, and fit body. Students will also use this course to help prepare for performances to be given by the Barbers Hill Eaglettes.

DANCE 3
GRADE LEVEL: 9-12
One Year
Prerequisite: Dance 2; Must be a member of the Eaglette Drill Team

This is an intermediate to advanced level course designed to continue the development of skills taught in Dance 2. Students will focus on development of dance movement, technique, terminology, choreography, performance, history and etiquette. Students are required to be physically active and participate in flexibility, conditioning, and muscle strengthening exercises that will development kinesthetic awareness and promote a strong, healthy, and fit body. Students will also use this course to help prepare for performances to be given by the Barbers Hill Eaglettes.

DANCE 4
GRADE LEVEL: 9-12
One Year
Prerequisite: Dance 3; Must be a member of the Eaglette Drill Team

This is an advanced level course designed to continue the development of skills taught in Dance 3. Students will focus on development of dance movement, technique, terminology, choreography, performance, history and etiquette. Students are required to be physically active and participate in flexibility, conditioning, and muscle strengthening exercises that will development kinesthetic awareness and promote a strong, healthy, and fit body. Students will also use this course to help prepare for performances to be given by the Barbers Hill Eaglettes.

Debate

DEBATE 1 (DEBATE 1)
GRADE LEVEL: 9 (10-12 must be instructor approved)
One Year

Prerequisites: None Debate 1 is an introductory class to competitive, academic debate. Course includes instruction in value and policy oriented debate with emphasis on basic debate and argument theory, strategies, and techniques including research, organization, listening, thinking, speaking, and argument construction. Students are required to attend at least six after-school practices each semester and attend one weekend debate tournament per semester. (Not meeting requirements may result in student withdrawal at earliest possible convenience.)

DEBATE 2 (DEBATE 2)
GRADE LEVEL: 10
One Year
Prerequisites: Debate 1

Debate 2 emphasizes advanced debate and argument theory, strategies, standards, and techniques including specific issues in either value or policy debate. Students must choose a specific area of study in either cross-examination format (policy) or Lincoln-Douglas format (value) debate. Emphasis is placed upon critical thinking, writing and structuring arguments and briefs. Students are required to attend at least twelve after-school practices each semester and attend a minimum of two weekend debate tournaments per semester. (Not meeting requirements may result in student withdrawal at earliest possible convenience.)

DEBATE 3 (DEBATE 3)
GRADE LEVEL: 11-12
One Year
Prerequisites: Debate 2

Debate 3 emphasizes argument analysis, adjudication theory including various judging paradigms including adaptation to different paradigms and adjudicators, research, writing and structuring cases, arguments, and briefs. Students are exposed to tournament theory and administration with actual experience. Students are required to stay after school for three hours one day per week and attend a minimum of four weekend debate tournaments per semester (8 per year). Students also participate in cooperative teaching of younger peers; this may include: lecturing, testing, and leading discussions and after-school practices for Debate 1 students. (Not meeting requirements may result in student withdrawal at earliest possible convenience.)

DEBATE 4 - INDEPENDENT STUDY (DEBATE 4)
GRADE LEVEL: 12
One Year
Prerequisite: Debate 3

Independent Study Debate 4 emphasizes independent research on policy debate topics and issues that require construction of arguments, cases, and briefs. Creativity is encouraged not only in argument development but also theory development. Students have work with tournament theory and administration including actual tournament administration. Students also have work on judging debates and arguments including oral and written critiques. Students are required to stay after school for three hours one day per week and attend a minimum of four weekend debater tournaments per semester (8 per year). (Not meeting requirements may result in student withdrawal at the earliest possible convenience.)

Theatre Arts

THEATRE ARTS 1 (TH1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

This is an introductory course into the study of all realms of the theatre. Covering the basic concepts of scene design and construction, lighting, costume design and other aspects associated with the technical aspects of theatre and the beginning of theatre and acting. Activities involves, theatre games, role-playing and improvisations and the performances of scenes and monologues from plays. Students must complete **both semesters** of study before enrolling in Theatre Arts 2-4 or Technical Theatre 2-4. Enrollment is limited.

THEATRE ARTS 2, 3, AND 4 (TH2, TH3, TH4)
GRADE LEVEL: 10-12
One Year
Prerequisite: Theatre Arts 1. Teacher recommendation must be secured for enrollment.

The continuation of the performance aspects of theatre.

THEATRE PRODUCTION 1-4 (THPROD)
GRADE LEVEL: 9-12
One Semester

Theatre Production is a co-curricular laboratory for the exploration, development, and synthesis of all the elements of theatre. This course supplements other theatre arts and technical theatre courses that concentrate on theories, information, and techniques, by providing for the integration and implementation of those ideas and skills. Practical experiences in acting and stagecraft are provided through the preparation and public performances of one or more plays.

Components of Theatre Production:

- auditions for actors and technicians
- strike and storage
- field trips to theatrical productions
- public performance
- rehearsals
- technical crews
- research and design
- critiques and evaluation
- theatre safety

The course is designed to give students credit for their work in play production activities scheduled outside of regular school hours. Theatre production activities are held in the afternoons and evenings, providing extended work periods and allowing for participation by students unable to enroll in other theatre courses due to schedule conflicts. The course does not necessarily meet every day or for an entire semester, so long as the total instructional time is at least equivalent to a regular semester course. The major requirement is that each student be involved in production activities at least 80 hours in order to receive 1/2 unit of credit.

TECHNICAL THEATRE ARTS 1-4
GRADE LEVEL: 9-12
One Year
Prerequisite: Technical Theatre 1

This course is designed for those students who are interested in theatre but not particularly in performing in play. Tech theatre will fulfill the Fine Arts requirement or an Elective requirement. This is a hands-on course, using a variety of hand and power tools, students will construct and paint set designs and props. Studies also cover the lighting system, sound system and stage rigging of BHHS theatre. Students will design sets and costumes for a variety of plays. A terrific artist you do not have to be! Enrollment is limited.

Foreign Languages

FRENCH 1 (FRENCH 1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

The goal of French 1 is to attain proficiency in the French language using all four basic skills listening, speaking, reading, and writing and an awareness and understanding of the culture and traditions of the French-speaking world. Basic grammar and vocabulary are used.

FRENCH 2 (FRENCH 2)
GRADE LEVEL: 10-12
One Year
Prerequisite: French 1

The goal of French II is to build and expand on that learned in French I. The four basic skills listening, speaking, reading, and writing are refined and grammar and vocabulary are taught in more complexity. The culture and traditions of the French-speaking world are continued.

FRENCH 3 PAP (FRN3PA3**)**
GRADE LEVEL: 10-12
One Year:
Prerequisite: French 2

The goal of French 3 is to expand on that learned in French 1 and 2. The four basic skills of listening, speaking, reading, and writing are refined and grammar and vocabulary are taught in greater detail. Students continue to learn culture of the French-speaking world. Literature will also be read and discussed at this level. *(The Class of 2011 will not receive weighted credit.)*

SPANISH 1 (SPAN 1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

The goal of Spanish 1 is to attain proficiency in the Spanish language using all four basic skills listening, speaking, reading, and writing and an awareness and understanding of the culture and traditions of the Spanish-speaking world. Basic grammar and vocabulary are used.

SPANISH 2 (SPAN 2)
GRADE LEVEL: 9-12
One Year
Prerequisite: Spanish 1

The goal of Spanish 2 is to build and expand on that learned in Spanish 1. The four basic skills listening, speaking, reading, and writing are refined and grammar and vocabulary are taught in more complexity. The culture and traditions of the Spanish-speaking world are continued.

SPANISH 3 PAP (SPAN3P)
GRADE LEVEL: 10-12
One Year
Prerequisite: Spanish 2

The goal of Spanish 3 is to expand on that learned in Spanish 1 and 2. The four basic skills of listening, speaking, reading, and writing are refined and grammar and vocabulary are taught in greater detail.

Students continue to learn culture of the Spanish-speaking world. Literature will also be read and discussed at this level. *(The Class of 2011 will not receive weighted credit.)*

AMERICAN SIGN LANGUAGE 1 (ASL1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

This course emphasizes interpersonal communication to achieve communicative competence. Students taking this class develop finger spelling skills as well as expressive and receptive sign skills, acquire a board vocabulary, and learn the basic principles of ASL syntax and grammar. ASL1 also provides information about the history of sign language and introduces students to the culture of the American Deaf community. An extensive amount of memorization is required for success in this course. *(Additional levels of American Sign Language will be offered in subsequent years).*

Journalism

JOURNALISM (JRNLSM)
GRADE LEVEL: 9-12
One Year
Prerequisite: An 85 or above average in English is recommended for both semesters prior to entering this class.

Journalism is an overview course of all aspects of journalism. This course is a requirement before you are allowed to be on the yearbook or newspaper staffs. Preparation for the newspaper staff includes in-depth reporting, photography, writing news stories, feature stories, sport stories, editorials, headlines, editing, layout and design. Yearbook preparation includes layout and design on the computer, development of themes, photography, feature stories, and time management. Journalism 1 looks at the history of the media, photography, broadcasting (both television and radio), advertising, public relations and desktop publishing (Adobe *InDesign*). Students will have the opportunity to work in various programs including Adobe *InDesign*, *Photoshop* and Microsoft Word.

YEARBOOK (YRBKPLM 1-3)
GRADE LEVEL: 10-12
One Year – Students my not enter at mid-term
Prerequisites: Journalism 1 and approval of teacher. Student may waive the Journalism 1 requirement with special permission from the advisor and recommendations from other teachers or administrators.

Students chosen for the yearbook staff have completed at least one year of Journalism 1. The yearbook, ***The Eagle***, is published once a year by the yearbook staff. Students design their own pages on the computer, research topics, conduct interviews and surveys, take pictures and help develop the theme for the yearbook. Students are responsible for mapping out their plan of action, as well as meeting all deadlines. Yearbook staff have the opportunity to attend summer camp and compete for local, state and national awards. Students will create the yearbook using Adobe *InDesign* and Adobe *Photoshop.*

Other Courses

HEALTH (HLTH ED)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Health is the study of the interactions between you and the environment, social situations, and the family unit. Included in this study are the body systems, behavior, alcohol, tobacco, drugs, accident prevention, injury control, emergency action, diet, exercise, recreation and communicable diseases including sexually transmitted diseases.

INTRODUCTION TO PSYCHOLOGY (PSYC)
GRADE LEVEL: 10-12
One Semester
Prerequisite: None

Introduction to Psychology covers a brief history of the evolution of psychology. It also focuses on the following areas: the human life span from infancy to older adulthood, the workings of the mind and body, learning and cognitive processes, personalities, psychological health and disorders, and social psychology. It also investigates careers in the field of psychology.

http://www.bhisd.net/Counseling/Course Catalog/Other Elective Courses.htm - SocIntro#SocIntro**INTRODUCTION TO SOCIOLOGY** (SOC)
GRADE LEVEL: 10-12
One Semester
Prerequisite: None

Sociology is the science of understanding the social structures that make up our society. Students will look at themselves and others not merely as individuals but as part of many different groups. How groups behave and interact will be discussed.

AP PSYCHOLOGY (APPSYC**)**
GRADE LEVEL: 11-12 (10th with teacher approval)
One Year (1/2 state credit-1/2 local credit)
Prerequisite: None

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students will study the history of psychology, research methods, biological bases of behavior, sensation and perception, consciousness, learning, memory, motivation and emotion, developmental psychology, personality, testing, social psychology, and psychological disorders and their treatment.

DUAL CREDIT INTRODUCTION TO PSYCHOLOGY (PSYCH DC)
GRADE LEVEL: 10-11
One Semester
Prerequisite: TAKS: ELA-2200 Writing-3, SAT 1070 (500 on Critical Reading, Math), ACT 23 (19 Eng, Math), or ACCUPLACER.

Instruction for this course may include lecture and reading assignments; other instructional techniques may include classroom discussion, audio-visual presentations, speakers, physical demonstration of concepts, critical thinking exercises, and group activities. This course is a survey of the fields of general psychology; the biological and psychological basis of human behavior, intelligence, motivation, emotion,

learning, personality, memory, and psychopathology. Students will receive **3 hours** of college credit for this course. A grade of a "C" or better is required to earn high school credit. The tuition for this course is $173 for the semester (includes a $2 course fee).

TEEN LEADERSHIP (TNLDR)
GRADE LEVEL: 9-12
One Semester Fall/Spring
Prerequisite: None

Teen Leadership is a course designed to teach and promote integrity, public speaking skills, the ability to build and work with teams and motivational skills. This is a leadership course that is open to all students. Students will learn the professional skills needed to relate to others in the business world.

PEER ASSISTANCE AND LEADERSHIP (PALS)
GRADE LEVEL: 11-12
One Year
Prerequisite: Faculty nomination, application, essay, and interview process.

Peer Assistance and Leadership is a course designed to help students develop communication skills, group dynamics, self-awareness, decision-making, and problem-solving skills. The course offers training on how to help peers deal with important issues to teens. Pals are placed in peer-to-peer situations in which they employ their training to develop positive, supportive, and helpful relationships. Pals will receive training that empowers them to serve effectively in general leadership roles as well as specific peer-to-peer situations. Much of the year is spent as an active mentor at the primary, elementary, and intermediate schools.

Performing Arts

BAND (BAND)
GRADE LEVEL: 9-12
One Year
Prerequisite: Ability to play a band instrument at an acceptable level and director approval.

The Soaring Eagle Band is a top-quality musical organization. The band travels to and performs at all varsity football games, pep rallies, UIL Marching Contest, All-Regional Band Auditions, UIL Solo and Ensemble Contest, UIL Concert and Sight-reading Contest, along with concerts and other performances during the school year. To become a member of the band, a student must have developed the skills needed to be able to perform on their instrument at the high school level. Band members are expected to practice daily on their instruments and to rapidly improve their skill level. All band members participate in all performances and should plan on four, Monday thru Thursday, after-school rehearsals weekly. Band members are expected to attend summer band practice Monday through Friday until school starts. Band teaches responsibility, dedication, working and making music together, sacrifice for the good of the group, meeting deadlines, and self-discipline. **Freshmen band orientation information and summer practice dates will be mailed to band members.**

CHORAL MUSIC 1 (CHOIR1)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

Choir is a year-long Fine Arts class open to all students. All types of music are studied and performed in various concerts. Students are encouraged to attend the two competitions, Region Choir and U.I.L. Solo/Ensemble. Students selected at each contest may qualify to attend the clinic/concert for the Regional Choir and the State Solo Contest. Students learn the fundamentals of music and a joy for singing. Auditions and teacher approval determine the enrollment in the Varsity Choir.

CHORAL MUSIC 2, 3, 4 (CHOIR2, CHOIR3, CHOIR4)
GRADE LEVEL: 10-12
One Year
Prerequisite: Choral Music 1 or director approval

Choral Music 2-4 are each year-long Fine Arts classes open to all 10th - 12th graders. All types of music are studied and performed in contests and concerts. Students are encouraged to attend the TMEA Region competition in the fall and the U.I.L. Solo/Ensemble competition in the spring. Students qualifying in each contest attend the Regional Choir and/or State Solo Contest. Courses include in-depth music training in vocal skills and performance. Music history, theory, ear training, and appreciation are incorporated into the learning experience.

CAREER AND TECHNOLOGY EDUCATION

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY CLUSTER PATHWAY

PRINCIPLES OF LAWS, PUBLIC SAFETY, CORRECTIONS AND SECURITY (PRICLS)
(FORMALLY FUNDAMENTALS OF CRIMINAL JUSTICE)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

LAW ENFORCEMENT I (LAWI)
(FORMALLY INTRODUCTION TO CRIMINAL JUSTICE)
GRADE LEVEL: 10-12
One Semester
Prerequisite: None

Law enforcement is an overview of the history, organization, and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

CORRECTIONAL SERVICES (CORSVS)
(FORMALLY BASIC COUNTY CORRECTIONS OFFICER AND CORRECTIONAL SYSTEMS AND PRACTICES)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

In Correctional Services, Students prepare for certification required for employment as a correctional officer. The student will learn the role and responsibilities of a correctional officer; discuss relevant rules, regulations and laws; and discuss defensive tactics, restraint techniqu4es, and first aid procedures as used in the correctional setting. The student will analyze rehabilitation and alternatives to institutionalization.

LAW ENFORCEMENT II (LAW2)
(FORMALLY INTRODUCTION TO CRIMINAL JUSTICE AND CRIME IN AMERICA)
GRADE LEVEL: 11-12
One Year
Prerequisite: Principle of Law; Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

ARCHITUECTURE AND CONSTRUCTION CLUSTER PATHWAY

PRINCIPLES OF ARCHITECTURE AND CONSTRUCTION (PRINARC)
(FORMALLY ARCHITECTURAL MATERIALS AND ARCHITECTURAL MATERIALS)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Principles of Architecture and Construction provides an overview to the various fields of architecture, interior design, construction science, and construction technology. Achieving proficiency in decision making and problem solving is an essential skill for career planning and lifelong learning. Students use self-knowledge, educational, and career information to set and achieve realistic career and educational goals. Job-specific, skilled training can be provided through the use of training modules to identify career goals in trade and industry areas. 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.

CONSTRUCTION TECHNOLOGY (CONTEC)
(FORMALLY BUILDING TRADES I, HOME MAINTENANCE AND IMPROVEMENT EMBEDDED, BRICKLAYING/STONE MASONRY I)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

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.

MILL AND CABINETMAKING I (MLCAB)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

First-year instruction is designed to provide training for entry-level employment in cabinetmaking. Instruction includes blueprint reading, measuring, sawing, planning, shaping, turning, boring, mortising, sanding, and constructing joints. Instruction includes, also, the use of numerical- and computer-controlled production devices.

PRACTICUM IN CONSTRUCTION MANAGEMENT (PRACON)
(FORMALLY BUILDING TRADES III AND ELECTRICAL TRADES III)
GRADE LEVEL: 11-12
One Year
Prerequisite: Previous Architecture and Construction coursework

Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. *This course will satisfy up to three elective credits.*

MARKETING CLUSTER PATHWAY

PRINCIPLES OF BUSINESS, MARKETING & FINANCE (PRNTDL)
(FORMALLY BUSINESS VENTURE OR RECORDKEEPING)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students gain knowledge and skills in economics and private enterprise systems; impact of global business; marketing of goods and services; advertising; and product pricing.

ENTREPRENEURSHIP (ENTREP)
(FORMALLY ENTREPRENEURSHIP)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

A course designed to provide a foundation to plan, design, and start a profitable business venture. A recommended component of this course is the development of a plan for a new business.

MARKETING DYNAMICS (MKTDYN)
(FORMALLY MARKETING MANAGEMENT)
GRADE LEVEL: 11-12
One Year
Prerequisite: Principles of Business

An occupationally specific course designed to focus on the study of marketing concepts and principles and their practical applications. Students will gain a working knowledge of the marketing concept and its application. The number of credits earned will depend on whether the classroom instruction includes a work based component.

PRACTICUM IN MARKETING DYNAMICS (PRCMKT)
GRADE LEVEL: 12
One Year
Prerequisite: Marketing Dynamics

Through course required employment, students gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to create the marketing mix. This course covers technology, communication, and customer-service skills. The practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical education courses in marketing education. *This course will satisfy up to three elective credits.*

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS CLUSTER PATHWAY

DUAL CREDIT ENGINEERING DESIGN & PRESENTATION (ENGDSD)
GRADE LEVEL: 11-12
One Year
Prerequisite: None

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. *Students will receive hours of college credit for this course provided they earn a "C" or better. The cost of this course is $191.00, plus additional fees and books.*

DUAL CREDIT ADVANCED ENGINEERING DESIGN AND PRESENTATION (AENDED)
GRADE LEVEL: 11-12
One Year
Prerequisite: Engineering Design and Presentation

This course will provide students the opportunity to master computer software applications in a variety of engineering and technical fields. This course further develops the process of engineering thought and applications of the design process. *Students will receive hours of college credit for this course provided they earn a "C" or better. The cost of this course is $191.00, plus additional fees and books.*

HUMAN SERVICES CLUSTER PATHWAY

PRINCIPLES OF HUMAN SERVICES (PRMHMS)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

This laboratory course will enable students to investigate careers in the human services career cluster including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

DOLLARS AND SENSE (DOLSEN)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students focus on consumer practices and responsibilities, the money management process, decision-making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

DUAL CREDIT COSMETOLOGY I (COSM I)
GRADE LEVEL: 11-12
One Year
Prerequisite: None

Students coordinate integration of academic, career, and technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Instruction includes sterilization and sanitation procedures, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Analysis of career opportunities, requirements, expectations, and development of workplace skills are included. *Students will receive 3 high school credits and 3 hours of college credit for this course provided they earn a "C" or better. The cost of this course is $191.00, plus additional fees and books.*

DUAL CREDIT COSMETOLOGY II (COSM II)
GRADE LEVEL: 12
One Year
Prerequisite: Cosmetology I

Students review academic knowledge and skills related to cosmetology. This course is designed to provide advanced training for employment in cosmetology careers. Instruction includes advanced training in sterilization and sanitation processes, hair care, nail care, and skin care and meets the Texas Department of Licensing and Regulation requirements for licensure upon passing the state examination. Students apply, combine, and justify knowledge and skills to a variety of settings and problems. *Students will receive 3 high school credits and 3 hours of college credit for this course provided they earn a "C" or better. The cost of this course is $191.00, plus additional fees and books.*

LIFETIME NUTRITION & WELLNESS (LNUTWE)
(FORMALLY NUTRITION AND FOOD SCIENCE)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

This laboratory course 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. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CHILD DEVELOPMENT (CHDDEV)
(FORMALLY CHILD DEVELOPMENT)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CHILD GUIDANCE (CHDGUI)
(FORMALLY CHILD CARE AND GUIDANCE MANAGEMENT AND SERVICE I)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

FINANCE CLUSTER PATHWAY

MONEY MATTERS (MONMAT)
(FORMALLY FINANCIAL PLANNING INNOVATIVE GRADES)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students will investigate global economies with emphasis on the free enterprise system and its impact on consumers and businesses; apply critical-thinking skills to analyze financial options; gain knowledge and skills necessary to set long-term financial goals.

BANKING AND FINANCIAL SERVICES (BNFISV)
(FORMALLY BANKING AND FINANCIAL SYSTEMS)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students will develop knowledge and skills in the economical, financial, technological, international, social, and ethical aspects of banking to become competent consumers, employees, and entrepreneurs; incorporate a broad base of knowledge that includes the operations, sales, and management of banking institutions to gain a complete understanding of how banks function within society.

ACCOUNTING I (ACCT I)
(FORMALLY ACCOUNTING I)
GRADE LEVEL: 10-12
One Year
Prerequisite: Principles/Money Matters, Banking and Financial Systems

Students will investigate the field of accounting, including how it is impacted by industry standards; engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information; formulate and interpret financial information for use in management decision making.

ACCOUNTING II (ACCT II)
(FORMALLY ACCOUNTING II)
GRADE LEVEL: 10-12
One Year
Prerequisite: Accounting I

Students will 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; reflect on this knowledge as they engage in various managerial and cost accounting activities; formulate and interpret financial information for use in management decision making.

BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER PATHWAY

PRINCIPLES OF BUSINESS, MARKETING, & FINANCE (PRIBMF)
(FORMALLY BUSINESS VENTURE OR RECORDKEEPING)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students gain knowledge and skills in economies and private enterprise systems; impact of global business; marketing of goods and services; advertising; and product pricing.

TOUCH SYSTEM DATA ENTRY (TSDATE)
(FORMALLY KEYBOARDING)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

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

BUSINESS INFORMATION MANAGEMENT (BUSINF)
(FORMALLY BUSINESS COMPUTER INFORMATION SYSTEMS I)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

Students will 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; apply technical skills to address business applications (word processing, spreadsheets, databases, and presentations).

VIRTUAL BUSINESS (VIRBUS)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

Students will incorporate a broad base of knowledge of business to make appropriate business decisions; be able to identify steps needed to locate customers, set fees, and develop client contracts; be able to provide administrative, creative, and technical services using advanced technological modes of communication and data delivery; build a functional website that incorporates the essentials of a virtual business.

ARTS, A/V TECHNOLOGY AND COMMUNICATION CLUSTER PATHWAY

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS (PRNAVT)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students will develop an understanding of the various and multifaceted career opportunities; develop the knowledge, skills, and educational requirements for those opportunities.

GRAPHIC DESIGN AND ILLUSTRATION (GRPHDN)
(FORMALLY ADVERTISING DESIGN I)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

Students will develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

AUDIO/VIDEO PRODUCTION (AVPROD)
(FORMALLY MEDIA TECHNOLOGY I, COMPUTER MULTIMEDIA & ANIMATION TECHNOLOGY)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

Students will develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities.

ANIMATION (ANIMAT)
(FORMALLY ANIMATION I)
GRADE LEVEL: 10-12
One Year
Prerequisite: Graphic Design/Illustration and/or Audio/Video Production

Students will develop an understanding of the history and techniques of the animation industry.

INFORMATION TECHNOLOGY CLUSTER PATHWAY

PRINCIPLES OF INFORMATION TECHNOLOGY (PRNINT)
(FORMALLY COMPUTER APPLICATIONS, BCIS, INTRO TO COMPUTER MAINTENANCE)
GRADE LEVEL: 9-12
One Semester
Prerequisite: None

Students will develop computer literacy skills to adapt to emerging technologies used in the global marketplace; implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment; enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment**.**

DIGITAL AND INTERACTIVE MEDIA (DIMEDIA)
(FORMALLY BUSINESS IMAGE MANAGEMENT AND MULTIMEDIA)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem; implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment; enhance reading, writing, computing, and communication, and critical thinking and apply them to the information technology environment.

WEB TECHNOLOGIES (WEBTCH)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

Students will learn to make informed decisions and apply the decisions to the field of information technology; implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment; successfully perform and interact in a technology-driven society; enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER PATHWAY

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES (PRNFDN)
(FORMALLY INTRODUCTION TO WORLD AGRICULTURE AND APPLIED AGRICULTURE SCIENCE AND TECHNOLOGY)
GRADE LEVEL: 9
One Year
Prerequisite: None

To be prepared for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce experience, apply, and transfer their knowledge and skills in a variety of settings.

LIVESTOCK PRODUCTION (LIVSTK)
(FORMALLY EQUINE SCIENCE/SMALL ANIMAL MANAGEMENT INNOVATIVE)
GRADE LEVEL: 10-12
One Semester
Prerequisite: None

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.

FOOD TECHNOLOGY & SAFETY (FDTHSY)
(FORMALLY FOOD TECHNOLOGY)
GRADE LEVEL: 10-12
One Semester
Prerequisite: None

A course concerned with world food production; the processing, preparing, and packaging of foods; government regulations regarding foods; exploring career opportunities; and leadership development

FOOD PROCESSING (FDPROC)
(FORMALLY MEATS PROCESSING)
GRADE LEVEL: 11-12
One Year
Prerequisite: None

A laboratory-oriented course designed to develop skills in the processing of meat. The course emphasizes equipment care and sanitation, meat quality, identification, grading, fabrication, preparation and preservation, and merchandising and consumer trends. Instruction will include information on career opportunities, leadership activities, and record-keeping practices related to the industry.

WILDLIFE FISHERIES & ECOLOGY MANAGEMENT (WLFECO)
(FORMALLY WILDLIFE AND RECREATION MANAGEMENT)
GRADE LEVEL: 10-12
One Semester Fall
Prerequisite: None

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.

FORESTRY AND WOODLAND ECOSYSTEMS (FORWDE)
(FORMALLY RANGE MANAGEMENT AND ECOLOGY)
GRADE LEVEL: 10-12
One Semester Spring
Prerequisite: None

A course designed to provide information regarding the management and ecological aspects of range lands. Instruction will include the study and development of technical skills in renewable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. Information about safe working practices, record keeping, career exploration, and leadership will be included.

AGRICULTURAL FACILITIES AND DESIGN
GRADE LEVEL: 10-12
One Year
Prerequisite: None

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 expectation. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES (AGMETH)
(FORMALLY INTRODUCTION TO AGRICULTURAL MECHANICS)
GRADE LEVEL: 10-12
One Year
Prerequisite: None

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.

AGRICULTURAL FACILITIES AND DESIGN AND FABRICATION (AGFDFA)
(FORMALLY PRE-LAB GENERAL AGRICULTURAL MECHANICS)
GRADE LEVEL: 11-12
One-Two Year(s) (2 periods)
Prerequisite: Minimum two agricultural classes and teacher approval

A pre-employment lab course that prepares students to understand tractor and equipment safety, service and repair internal combustion engines, power train, hydraulic systems, fuel, electrical air conditioning, and agricultural machines and equipment. Includes the understanding of instrumentation.

PRINCIPLES AND ELEMENTS OF FLORAL DESIGN (PEFLDS)
GRADE LEVEL: 9-12
One Year
Prerequisite: None

This course is designed to develop a student's 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. Horticulture systems, career opportunities, entry requirements, and industry expectations will also be covered.

AGRICULTURAL POWER SYSTEMS (AGPWTH)
(FORMALLY AGRICULTURAL POWER TECHNOLOGY)
GRADE LEVEL: 9-12
One Year

Prerequisite: None

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.

PRACTICUM IN AGRICULTURE, FOOD, AND NATURAL RESOURCES (PRCAGF)
(FORMALLY AGRICULTURAL CAREER PREPARATION)
GRADE LEVEL: 11-12
One Year
Prerequisite: Agriculture related job and one year of agriculture related class.

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 knowledge and skills in a variety of settings. 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. *This course will satisfy up to three elective credits.*

DUAL CREDIT ADVANCED ANIMAL SCIENCE (ADANSC)
GRADE LEVEL: 10-12
One Semester Fall
Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum).

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 dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. *The cost of this course is $191.00, plus additional fees and books.*

DUAL CREDIT ADVANCED HORTICULTURE
GRADE LEVEL: 10-12
One Semester Spring
Prerequisite: A minimum of one credit from the courses in the Agriculture, Food, and Natural Resources cluster. To receive credit in science, students must meet the 40% laboratory and fieldwork requirement identified in §74.3(b)(2)(C) of this title (relating to Description of a Required Secondary Curriculum).

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for 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. This course is designed to develop an understanding of common horticultural management practices as they related to food and ornamental plant production. *The cost of this course is $191.00, plus additional fees and books.*

Cluster Pathway	Courses Sequence Pathways			
Law, Public Safety, Corrections and Security	Principles of Law, Public Safety, Corrections & Security Semester course	Law Enforcement I One Year	Correctional Services One Year	Law Enforcement II One Year
Architecture and Construction	Principles of Architecture & Construction Semester course	Construction Technology One Year	Mill and Cabinetmaking Technology One Year	Practicum in Construction Management One Year
Marketing	Principles of Business, Marketing & Finance Semester course	Entrepreneurship Semester course	Marketing Dynamics One Year/	Practicum in Marketing Dynamics One Year/Three periods
Science, Technology, Engineering and Mathematics			Engineering Design & Presentation Two semesters DFTG 1409 DFTG 1405	Advanced Engineering Design & Presentation Two semesters DFTG 1417 DFTG 2419
Human Services	Principles of Human Services, Dollars and Sense Semester courses		Cosmetology I Fall CSME 1505 Fall CSME 1254	Cosmetology II Spring CSME 1410 Spring CSME 1453
		Lifetime Nutrition & Wellness One year	Child Development One Year	Child Guidance One Year
Finance	Principles of Business, Marketing & Finance Semester courses	Money Matters, Banking Financial Services Semester courses	Accounting I One Year	Accounting II One Year
Business Management and Administration	Principles of Business, Marketing & Finance Semester course	Touch System Data Entry Semester course	Business Information Management One Year	Virtual Business One Year
Arts, A/V Technology and Communication	Principles of Arts, A/V Technology, and Communications Semester course	Graphic Design & Illustration One Year	Animation I One Year	Audio/Video Production One Year
Information Technology	Principles of Information Technology Semester course	Digital & Interactive Multimedia One Year	Web Technologies One Year	Computer Maintenance or Computer Programming One Year
Agriculture, Food and Natural Resources	Principles of Agriculture, Food and Natural Resources One year	Livestock Production/Food Technology & Safety	Food Processing One Year	Advanced Animal Science (DC) Semester course
		Wildlife Fisheries &Ecology Management/ Forestry and Woodland Ecosystems	Horticulture (DC) Semester Course	Practicum in Agriculture, Food & Natural Resources
		Agricultural Mechanics & Metal Technologies One Year/Two periods	Agricultural Power Systems One Year	