

Barbers Hill High School



Course Catalog 2009-2010

The Barbers Hill ISD Course Catalog is designed to provide curriculum information for the 2009-10 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 who entered 9th grade 2006-07 or earlier must earn twenty-four (24) credits to graduate with the Recommended or Distinguished Achievement Program.

* All Students entering 9th grade in 2007-08 or later 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.

* For course specific graduation requirements please refer to the Student Handbook.

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.

Class of 2009-2010	2010-2011 and beyond
Ninth Grade 0.0 - 4.5	Ninth Grade 0.0 - 5.5
Tenth Grade 5.0 – 10.5	Tenth Grade 6.0 – 12.5
Eleventh Grade 11.0 – 16.5	Eleventh Grade 13.0 – 18.5
Twelfth Grade 17.0 or more	Twelfth Grade 19.0 or more

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 Lee College. 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.

Special Programs

Classes are available for students with special needs. The district provides special programs for gifted and talented students, homeless students, migrant students, students with limited English proficiency, dyslexic students, and students with disabilities. The Admissions, Review and Dismissal (ARD) committee makes decisions regarding Special Education classes.

Regular courses are weighted with a 1.0 multiplier for the purpose of class ranking for the graduating classes 2010 and 2011.

The following courses are weighted with a 1.1 multiplier for the purpose of class ranking for the graduating classes 2010 and 2011:

Pre-AP/GT English 1	Pre-AP/GT English 2
Pre-AP Geometry	Pre-AP Algebra 2
Pre-AP Pre-Calculus	Pre-AP Biology
Pre-AP Chemistry 1	Pre-AP Physics
Pre-AP World Geography	

The following courses are weighted with a 1.2 multiplier for the purpose of class ranking for the graduating classes 2010 and 2011:

AP/GT English 3	AP U.S. History
AP/GT English 4	Dual Credit U.S. History
Dual Credit English 4	AP Government
AP Calculus	Dual Credit Horticulture
AP Statistics	Dual Credit Animal Science
AP Chemistry	Dual Credit Welding
AP Physics	AP Art
Scientific Research and Design	Dual Credit CADD
AP Biology 2	Dual Credit BCIS
Dual Credit Biology 2	AP Psychology
AP World History	Dual Credit Psychology
Dual Credit World History	Dual Credit Nail Design

Beginning with the graduating class of 2012 regular courses will be weighted with a 1.0 multiplier for the purposes of class ranking.

The following courses are weighted with a 1.1 multiplier for the purpose of class ranking beginning with the graduating class of 2012:

College Prep English 1	College Prep English 2
College Prep English 3	College Prep English 4

College Prep courses in Math, Science, and Social Studies will also be weighted 1.1.

The following courses are weighted with a 1.15 multiplier for the purpose of class ranking beginning with the graduating class of 2012:

Pre-AP/GT English 1	Pre-AP/GT English 2
Pre-AP Geometry	Pre-AP Algebra 2
Pre-AP Pre-Calculus	Pre-AP Biology
Pre-AP Chemistry 1	Pre-AP Physics
Pre-AP World Geography	

The following courses are weighted with a 1.25 multiplier for the purpose of class ranking beginning with the graduating class of 2012:

AP/GT English 3	AP U.S. History
AP/GT English 4	Dual Credit U.S. History
Dual Credit English 4	AP Government
AP Calculus	Dual Credit Horticulture
AP Statistics	Dual Credit Animal Science
AP Chemistry	Dual Credit Welding
AP Physics	AP Art
Scientific Research and Design	Dual Credit CADD
AP Biology 2	Dual Credit BCIS
Dual Credit Biology 2	AP Psychology
AP World History	Dual Credit Psychology
Dual Credit World History	Dual Credit Nail Design

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 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 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.

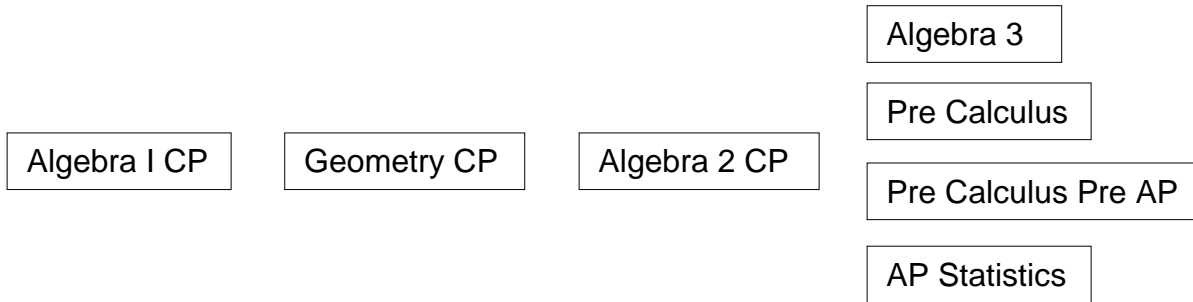
Mathematics

Freshman and future freshman (Class of 2012 and on) pathways

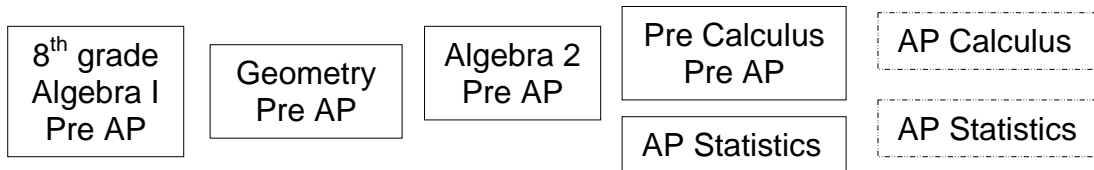
Regular track (emphasis is placed on the state-mandated tests)



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

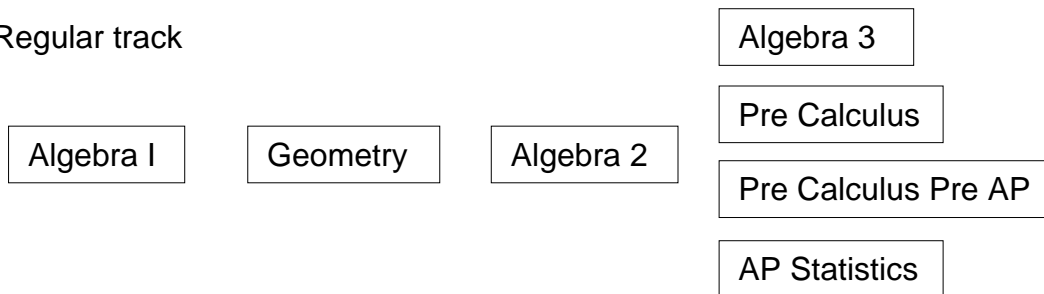


Pre AP and AP track (strong math student or student who plans to pursue math/science course of study)

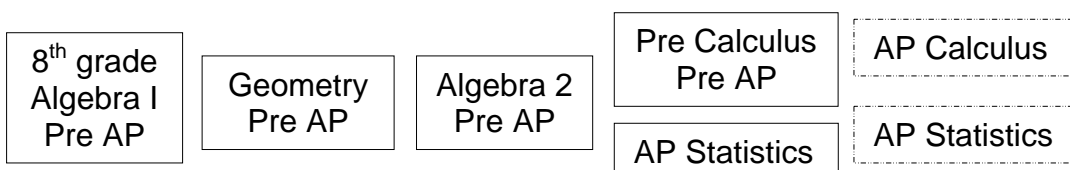


Sophomore (Class of 2011)

Regular track

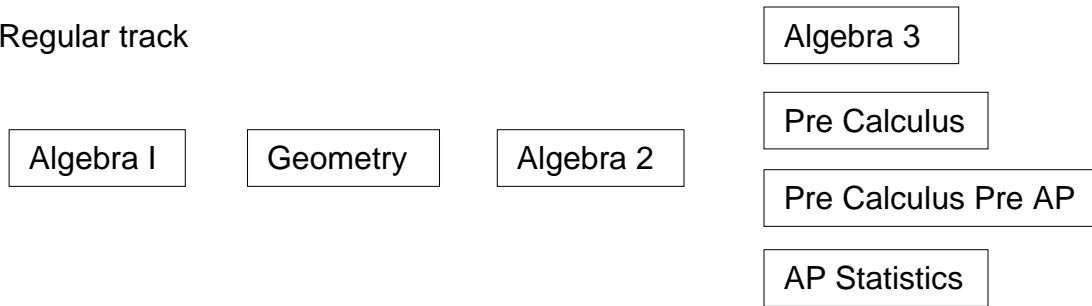


Pre AP and AP track

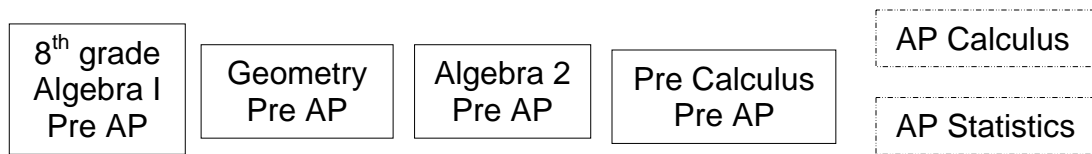


Juniors (Class of 2010)

Regular track



Pre AP and AP track



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.

COLLEGE PREP ALGEBRA 1 (ALG 1 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.

PRE-AP ALGEBRA I (ALG 1 PAP)
GRADE LEVEL: 9-12
One Year
Prerequisite: An 85+ average is recommended in 8th grade.

Pre-AP Algebra I is for strong math students and/or students who plan to pursue a math/science course of study. This course includes the same topics covered in Algebra I but is a more in-depth approach at a much faster pace. **Any student who fails Pre-AP Algebra 1 for two consecutive six-weeks may be moved to College Prep Algebra.**

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.

COLLEGE PREP GEOMETRY (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:** 11-12**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.

PRE-AP ALGEBRA 2 (ALG 2 PAP)**GRADE LEVEL:** 10-12**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 3 – 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-AP PRE-CALCULUS (PRECAL 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: 12

One Year

Prerequisites: Pre-AP Algebra II or a 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 PREP)

GRADE LEVEL: 12

One 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

BIOLOGY 1 (BIO 1)

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, 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. Basic 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. It may only be used on the Recommended Plan until 2010 – 2011 and must be taken before chemistry and before the senior year.

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. Needs of GT students will be addressed through differentiated instruction. 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

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. Needs of GT students will be addressed through differentiated instruction.

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.

DUAL CREDIT BIOLOGY (BIO DC)**GRADE LEVEL:** 11-12**Two Semesters****Prerequisites: TAKS:** ELA-2200 Writing-3 Math-2200, ACT 23 (19 on Eng, Math), SAT 1070 (500 on Critical Reading, Math) or ACCUPLACER.

A general biology course including basic biochemistry, cell biology, cell metabolism and energetics, photosynthesis, genetics, evolution, taxonomy, bacteria, and viruses. Students receive **4 hours** of college credit for this course provided they earn a "C" or better in the course. Students may also receive an Advanced Measure if they earn a "B" or better in the course. The tuition for this course is \$195.00 (includes a \$24 course fee).

CHEMISTRY 1 (CHEM 1)**GRADE LEVEL:** 10 -12**Prerequisite:** Biology; Algebra 1

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 1CP)**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 matter, 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. Needs of GT students will be addressed through differentiated instruction. 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**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. Needs of GT students will be addressed through differentiated instruction.

PHYSICS 1 (PHYS)

GRADE LEVEL: 11-12

One Year

Prerequisite: Biology; Chemistry, Algebra 1, Geometry, and Math Models or Algebra 2 or concurrent enrollment.

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.

COLLEGE PREP PHYSICS (PHYS CP)

GRADE LEVEL: 11-12

One Year

Prerequisite: Biology, Chemistry, Algebra 1, Geometry, and Algebra 2 or concurrent enrollment(0.)

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. Needs of GT students will be addressed through differentiated instruction. 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. Needs of GT students will be addressed through differentiated instruction. 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

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. Needs of GT students will be addressed through differentiated instruction.

EARTH AND SPACE SCIENCE (GMO)

GRADE LEVEL: 11-12

One Year

Prerequisite: Biology, Chemistry and Physics

In Earth and Space Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: characteristics and conditions of the Earth; formation and history of the Earth; plate tectonics; origin and composition of minerals and rocks and the rock cycle; processes and products of weathering; natural energy resources; interactions in a watershed; characteristics of oceans; characteristics of the atmosphere; and the role of energy in weather and climate.

SCIENTIFIC RESEARCH AND DESIGN (SCI/R&D)

GRADE LEVEL: 12

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 (TAKS PREP)

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 (ENVIRSYS)

GRADE LEVEL: 12

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 (AP ENVIRSYS)

GRADE LEVEL: 12

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 through and environmental system; relationship between carrying capacity and changes in populations and ecosystems; man's influence on the environment; and changes in environments.

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 10th, 11th, and 12th 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 explore 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.

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.

Elective Courses

Agriculture

INTRODUCTION TO WORLD AGRICULTURAL SCIENCE & TECHNOLOGY (INWOAGSC)

GRADE LEVEL: 9

One Semester (Fall)

Prerequisite: None

A basic introductory course designed to introduce beginning students to global agriculture. The course also includes agricultural career development, leadership, communication, and personal finance.

APPLIED AGRICULTURE SCIENCE AND TECHNOLOGY (APAGSCTE)

GRADE LEVEL: 9

One Semester (Spring)

Prerequisite: Intro to World Ag Science & Tech

A basic applied course designed to enhance the agricultural comprehension of beginning students in agricultural science and technology. The course includes soils, plants, animals, agricultural construction, food science, supervised occupational experience programs, and leadership.

FLORAL DESIGN & INTERIOR LANDSCAPE MANAGEMENT (FLDEINLD)

GRADE LEVEL: 9-12

One Semester

Prerequisite: None

An introduction course to prepare for careers in horticultural systems. Students need to attain academic skills and knowledge, to acquire knowledge and skills related to horticultural systems and the workplace and to develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Successfully prepared students need to have opportunities to learn, reinforce, apply and transfer their knowledge, skills, and technologies in a variety of settings.

AGRICULTURAL COMMUNICATIONS (AGRICOMM)

GRADE LEVEL: 10-12

One Semester (Fall)

Prerequisite: None

To prepare for careers in leadership development systems. Studies will include entrepreneurship opportunities; plan and conduct supervised agricultural experience programs, written communication skills, and visual communication skills.

INTRODUCTION TO AGRICULTURAL MECHANICS (INAGMECH)

GRADE LEVEL: 10-12

One Semester (Fall)

Prerequisites: None

A cluster course designed to familiarize the student with basic theory and specialized skills. Skills will be developed in the areas of tool identification and safe use, carpentry, electricity, plumbing, masonry, fence building, painting, metal working, and welding process.

AGRICULTURAL STRUCTURAL TECHNOLOGY (AGSTTECH)

GRADE LEVEL: 10-12

One Semester (Spring)

Prerequisite: Introduction to Ag Mechanics

A technical course preparing students to maintain, evaluate, design, and build agricultural structures using approved construction techniques.

ANIMAL AND PLANT PRODUCTION (AMPLPROD)**GRADE LEVEL:** 10-12**One Semester** (Fall)**Prerequisite:** None

A collective course that includes principles of animal and plant production and the management of soils as related to agriculture.

ANIMAL SCIENCE (ANIMALSCI)**GRADE LEVEL:** 10-12**One Semester** (Spring)**Prerequisite:** None

A technical course designed to develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic animals.

DUAL CREDIT ADVANCED ANIMAL SCIENCE (ADVANSCI DC)**GRADE LEVEL:** 11-12**One Semester** (Fall)**Prerequisite:** TAKS: ELA-2100 or ACCUPLACER.

A course designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one's knowledge of the scientific and technological dimensions of resources necessary for animal production. A research project will be required and the Agriculture Experience Tracker will be maintained in the course instruction. Student will earn **4 hours** of college credit for this course, provided they earn a "C" or better. Tuition for this course is \$195.00 per semester (includes a \$24.00 course fee).

PERSONAL SKILL DEVELOPMENT IN AGRICULTURE (PESKDEAG)**GRADE LEVEL:** 10-12**One Semester:** (Spring)**Prerequisite:** None

A course designed to prepare students for careers in leadership development systems. Students will study industry expectations, career opportunities and workplace skills. Students will prepare for success and have opportunities to learn, reinforce, apply, and transfer their knowledge and skills.

WILDLIFE AND RECREATION MANAGEMENT (WIRECMGT)**GRADE LEVEL:** 10-12**One Semester** (Fall)**Prerequisite:** None

A technical course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources.

FOOD TECHNOLOGY (FOODTECH)**GRADE LEVEL:** 10-12**One Semester** (Spring)**Prerequisite:** None

A cluster course that includes world food production; the processing, preparing, and packaging of foods; government regulations regarding foods; exploring occupational opportunities; and leadership development.

EQUINE SCIENCE (EQUINE)**GRADE LEVEL:** 10-12**One Semester** (Spring)**Prerequisite:** None

Students shall be provided opportunities to evaluate classes of horses, identify procedures for breeding horses, and recognize the importance of horse ownership, etc.

INTRODUCTION TO HORTICULTURAL SCIENCES (INHORT)**GRADE LEVEL:** 10-12**One Semester****Prerequisite:** None

This course involves the production, marketing, processing, and use of fruits, nuts, and vegetables, as well as flowers and ornamental plants. The horticulture industry is dynamic and extends into all nations of the world. This course helps the student attain essential knowledge and skills related to technical aspects of horticultural plants, controlling common pests, and managing a plant business. Information presented includes classifying, propagating, and managing greenhouse and nursery plants, including fruit, nuts, and vegetables. Common pests and safe control practices are discussed as well as identifying and maintaining hand and power tools and equipment and identifying options and opportunities for ownership of a business.

HORTICULTURAL PLANT PRODUCTION (HORTPLPR)**GRADE LEVEL:** 11-12**One Semester****Prerequisite:** Introduction to Horticultural Sciences

A continuation of the introductory horticulture course.

DUAL CREDIT HORTICULTURAL PLANT PRODUCTION (HORTPLPR DC)**GRADE LEVEL:** 11-12**One Semester** (Spring)**Prerequisite:** TAKS: ELA-2100 or ACCUPLACER.

A course designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures. A research project will be required and the Agriculture Experience Tracker will be maintained in the course instruction. Student will earn **4 hours** of college credit for this course, provided they earn a "C" or better. Tuition for this course is \$195.00 per semester (includes a \$24.00 course fee).

AGRICULTURAL POWER MACHINERY (AGPOWER)**GRADE LEVEL:** 11-12**One Year** (1 period or 2 periods per day which fulfills a 1 year P.E. credit)**Prerequisite:** Intro to Ag Mechanics

A technical course designed to develop skills in selection, operation, and maintenance of small air-cooled engines, multi-cylinder engines, hydraulic motors, electric motors, agricultural machinery and tractors.

MEAT PROCESSING (MEATPR)**GRADE LEVEL:** 11-12**One Year** (1 period or 2 periods per day which fulfills a 1 year P.E. credit)**Prerequisite:** Teacher approval

A technical course designed to develop knowledge and skills in meat processing.

PRE-EMPLOYMENT LAB-GENERAL AGRICULTURE MECHANICS (AGMECH)**GRADE LEVEL:** 11-12**One or Two Years** (2 periods per day)**Prerequisites:** At least 2 Ag Mechanics courses 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.

AG CAREER PREP 1 WORK-BASED LEARNING**GRADE LEVEL:** 11-12**One to three years** (1–3 credits)**Prerequisite:** Employment

Preparation for careers in the broad field of agriculture/agribusiness. Students will attain academic skills and knowledge, acquire knowledge and skills related to agriculture/agribusiness and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Successfully prepared students will have opportunities to learn, reinforce, apply and transfer their knowledge, skills and technologies in a variety of settings.

DUAL CREDIT AGRICULTURE METAL FABRICATION TECHNOLOGY (AGPT DC)**GRADE LEVEL:** 11-12**One Semester** (Fall)**Prerequisite:** TAKS: ELA-2100 or ACCUPLACER.

A course designed to introduce basic theory and specialized skills in agricultural mechanics. Skills to be developed include tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting, metal working, and welding processes. A research project will be required and the Agriculture Experience Tracker will be maintained in the course instruction. Student will earn **4 hours** of college credit for this course, provided they earn a "C" or better. Tuition for these courses is \$195.00 per semester (includes a \$24.00 course fee).

DUAL CREDIT AGRICULTURE POWER TECH (AGMF DC)**GRADE LEVEL:** 11-12**One Semester** (Spring)**Prerequisite:** TAKS: ELA-2100 or ACCUPLACER.

A course designed to develop skills in the maintenance, evaluation, design, and building of agricultural structures using approved construction techniques. A research project will be required and the Agriculture Experience Tracker will be maintained in the course instruction. Student will earn **4 hours** of college credit for this course, provided they earn a "C" or better. Tuition for these courses is \$195.00 per semester (includes a \$24.00 course fee).

Art

ART 1 (ART 1)

GRADE LEVEL: 9-12

One Year

Prerequisite: None

Art 1 provides experience in design, drawing, print making, sculpture, painting and crafts. Emphasis is on developing visual thinking abilities through all components of a work of art. You do not need to be a craftsman nor creative in art, just willing to experiment.

ART 2 (ART 2)

GRADE LEVEL: 10-12

One Year

Prerequisite: Art 1 with an average of 80 or above recommended.

Students create art through viewing, analyzing, interpreting and judging images of nature, man, fantasy, social and technological changes. Skills and advanced techniques are developed in drawing, painting, ceramics, print making, and crafts.

ART 3 (ART 3)

GRADE LEVEL: 11-12

One Year

Prerequisite: Art 2 with an average of 85 or above recommended.

Studio projects are created in response to the study of each era in a chronological survey of art history. Emphasis will be placed on an understanding of the role of art and the artist in society.

ART 4 (ART 4)

GRADE LEVEL: 12

One Year

Prerequisite: Art 3 with an average of 85 or above recommended.

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. A commercial art project and research into an art topic are required.

AP ART (AP STARDT)

GRADE LEVEL: 11-12

One Year

Prerequisite: Art 1 or Art 2 and approval of teacher.

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. 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 Year

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

One Year

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.

Industrial

INTRODUCTION TO TRANSPORTATION SERVICE CAREERS (ITSC)

GRADE LEVEL: 10-12

One Year

Prerequisite: None

A cluster course designed to provide a broad basic understanding of career opportunities and training requirements and introduce skills in six transportation-related service careers: aircraft mechanics, auto body and collision repair, automotive technology, diesel engine mechanics, small engine repair, and marine engine mechanics. Instruction includes safety and career opportunities.

AUTOMOTIVE SPECIALIZATION (AUTOSPEC)

GRADE LEVEL: 11-12

One Year (2 periods per day)

Prerequisite: Introduction to Transportation Service Careers

A pre-employment laboratory course designed to provide job specific training for entry-level employment in one of five specialty service careers: diesel mechanic, automotive electrician, brake and wheel alignment mechanic, automotive power train mechanic, or bus mechanic. All areas include safety and career opportunities.

DUAL CREDIT TECHNICAL DRAFTING (TECAD DC)

GRADE LEVEL: 11-12

One Semester (Fall)

Prerequisites: TAKS: ELA 2100 or ACCUPLACER.

The purpose of this course is to give the student an introduction to the principles of drafting to include terminology and fundamentals, including size and shape descriptions, projection methods, geometric construction, sections, auxiliary views, and reproduction processes. This is a foundation course of basic skills preparing the student for more advanced drafting courses in the Associate of Applied Science Degree in Drafting Technology. This is the first course in a sequence. Students will receive **4 hours** of college credit for this course provided they earn a "C" or better. Students will need to purchase a drafting kit along with textbook for this course. The cost of this course is \$191.00. (Course fee \$20.00 included.)

DUAL CREDIT BASIC COMPUTER-AIDED DRAFTING (ECAD DC)

GRADE LEVEL: 11-12

One Semester (Spring)

Prerequisite: TAKS: ELA 2100 or ACCUPLACER; Dual Credit Technical Drafting

The purpose of this course is to provide the student an introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/print to scale. This is a foundation course of basic skills preparing the student for more advanced drafting courses in the Associate of Applied Science Degree in Drafting Technology. Students will receive **4 hours** of college credit for this course provided they earn a "C" or better. The cost of this course is \$191.00. (Course fee \$20.00 included.)

Business and Technology

BUSINESS COMPUTER INFORMATION SYSTEMS 1 (BCIS1P)

GRADE LEVEL: 9-12

One Year

Prerequisite: None

Rapid advances in computer technology have a sufficient impact on our society. These advances indicate that the computer will continue to have an ever-increasing role in the future. This course prepares students to function in an environment in which computer confidence has become the expected norm. Students develop an understanding of the entire area of computers, while at the same time developing precise hands-on skills in using common software applications. These applications include word processing, spreadsheet, database and presentation programs. After completion of this course, students must bring high school transcript to the Lee College Admissions Office. Students must have earned a grade of 80 or above and student must enroll within **15 months** of high school graduation, declare a degree plan that includes the college-equivalent course, and complete six additional non-developmental college hours. Although Lee College may charge a fee to transcript credit, **there is no college tuition required.**

DUAL CREDIT BUSINESS COMPUTER INFORMATION SYSTEMS (ADVBCIS1 DC)

GRADE LEVEL: 9-12

One Semester

Prerequisites: ELA-2200 Writing-3 Math-2200, ACT 23 (19 on Eng, Math), SAT 1070 (500 on Critical Reading, Math) or ACCUPLACER.

This course discusses computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Student will earn **4 hours** of college credit 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 \$195.00 per semester (Includes a \$24.00 course fee).

COMPUTER PROGRAMMING (ADVBCP1)

GRADE LEVEL: 10-12

One Year

Prerequisites: Strong math background. Counselor and/or Technology teacher should have input about the best choice of Technology class for the student involved. All students are expected to maintain an 80 average. If students fall below this standard for two consecutive six weeks, a schedule change may be recommended at the end of first semester.

In this course students learn advanced programming and problem solving skills utilizing the Java programming language. Upon successful completion of this course students will be prepared with the knowledge and skills to advance to collegiate-level programming course work.

DESKTOP PUBLISHING (TADTP)

GRADE LEVEL: 10-12

One Year

Prerequisites: BCIS 1 or equivalent placement test. Counselor and /or Technology teacher should have input about the best choice of Technology class for the student involved.

Using a specific desktop publishing program and a variety of electronic and digital equipment, students will learn basic elements of page design including text, graphics, headlines and white space in order to produce a variety of printed materials. These include one-surface objects, multiple or bound pages, stationery, book jackets/magazine covers, pamphlets, magazines, brochures, labels, newsletters, greeting cards, etc. The class will be project-based with the possibility of publishing quality materials for groups within the school setting as well as in the community.

DIGITAL GRAPHICS/ANIMATION (TADGA)

GRADE LEVEL: 10-12

One Year

Prerequisites: BCIS 1 or equivalent placement test. Counselor and/or Technology teacher should have input about the best choice of Technology class for the student involved. If students fall below this standard for two consecutive six weeks, a schedule change may be recommended at the end of first semester. Students may not enter at mid-term.

This course entails creating digital images and animated graphics for integration into productivity tools including web pages, word processors, database software, spreadsheets, telecommunications, and utility programs. Some of the objectives of the course include: combining graphics, images, and sound for foundation curricular projects, creating visual unity and desired effects in designs, establishing basic design and layout principles, using the appropriate scripting language to create an animation or movie, using the basic concepts of color and design, creating backgrounds and characters for the animation.

WEBMASTERING (TAWEBMAS)

GRADE LEVEL: 10-12

One Year

Prerequisites: BCIS I or equivalent placement test. Counselor and/or Technology teacher should have input about the best choice of a Technology class for the student involved. If students fall below this standard for two consecutive six weeks, a schedule change may be recommended at the end of first semester.

Students learn foundations of communicating effectively through the World Wide Web. Students demonstrate competency by creating and maintaining a personal website designed to display their skills and knowledge. Students will have the opportunity to learn the latest versions of Fireworks, Flash and Dreamweaver programs as well as obtain a solid foundation in HTML. Other topics include: knowledge of hardware components and software applications; data input skills; technology issues in society; information acquisition and advanced search techniques; evaluation of electronic information; copyright issues; use of computer productivity tools to create and modify problems and solutions; integrating Internet technology across academic curriculum; applying Internet technology to business and job market situation; creating and formatting digital information and multimedia objects to create web pages.

INDEPENDENT STUDY TECHNOLOGY APPLICATIONS (TAIND1)

GRADE LEVEL: 11-12

One Year

Prerequisites: Webmastering. Students should be highly self-motivated and possess a strong ability to work independently. Counselor and/or Technology teacher should have input about the best choice of a Technology class for the student involved. If students fall below this standard for two consecutive six weeks, a schedule change may be recommended at the end of first semester.

Students go beyond the foundations of communicating effectively through the World Wide Web through advanced technology applications and skills. Students enrolled in this course are instrumental in helping to maintain the campus website and performing other web related duties throughout the District.

ACCOUNTING 1 (BACCT-TP)

GRADE LEVEL: 10-12

One Year

Prerequisite: None

Accounting is the development of planning, keeping, and analyzing financial records, which will provide necessary ability for employment and/or to continue formal education in the business field. All students pursuing a Business degree or related degree in college or who plan to pursue business related careers would benefit from this introductory course. Students will have the opportunity to be introduced to computerized Accounting through Peachtree. After completion of this course, students must bring high school transcript to the Lee College Admissions Office. Students must have earned a grade of 80 or above and student must enroll within **15 months** of high school graduation, declare a degree plan that includes the college-equivalent course, and complete six additional non-developmental college hours. Although Lee College may charge a fee to transcript credit, **there is no college tuition required.**

ACCOUNTING 2 (ADVACC)**GRADE LEVEL:** 11-12**One Year**

Prerequisite: Accounting 1. Counselor and/or Technology teacher should have input about the best choice of a Technology class for the student involved. All students are expected to maintain an 80 average. If students fall below this standard for two consecutive six weeks, a schedule change may be recommended at the end of the first semester.

Students build on their Accounting 1 knowledge to further provide the solid foundation necessary for employment and/or to continue formal education in the business field. Students planning to continue with a formal education in Accounting or related business fields are strongly urged to complete this course for preparation. Students will have the opportunity to advance their familiarity with computerized Accounting through Peachtree.

RECORDKEEPING (RKPG)**GRADE LEVEL:** 9-12**One Semester****Prerequisite:** None

Recordkeeping is the development of skills related to beginning bookkeeping principles and procedures as used in everyday business activities at home and at work.

BANKING AND FINANCIAL SYSTEMS (BNKFINSY)**GRADE LEVEL:** 9-12**One Semester****Prerequisite:** None

Banking and Financial Systems teaches the development of everyday skills that are necessary to life in today's world. Examples are: understanding income, banking, buying, all insurance, tax, and other necessary skills for life.

VIDEO TECHNOLOGY (TAVIDTEC)**GRADE LEVEL:** 11-12**One Year**

Prerequisite: BCIS 1 or equivalent placement test. Counselor and/or Technology teacher should have input about the best choice of Technology class for the student involved. All students are expected to maintain an 80 average. If students fall below this standard for two consecutive six weeks, a schedule change may be recommended at the end of the first semester.

This course provides introductory training in video production and media analysis. Instruction will cover storyboarding, video script writing, field videography, editing and production terms. By producing short film projects students will learn how to use video production equipment to express their creativity and demonstrate their acquired skills. Students will also explore the history of film and television, and analyze various media sources for creativity and content. In addition, students will become aware of the many job opportunities in the field of electronic media production.

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 (INDSPECH)

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.

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 (FRENCH 3)

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.

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 (SPAN 3)

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.

Home Economics

PREPARATION FOR PARENTING (PREP-PAR)

GRADE LEVEL: 10-12

One Semester

Prerequisite: None

The course is designed to provide individuals opportunities to develop knowledge and skills in preparation to function effectively in the role of parent or caregiver. Content stresses parental responsibilities; child guidance techniques; parents as positive role models; parents as their children's first teacher; and parenting practices which promote a child's development, health, safety, and well being.

CHILD DEVELOPMENT (CHLD-DEV)

GRADE LEVEL: 10-12

One Semester

Prerequisite: None

Provides information on the interrelationship of parenting behavior, behavior of children, and human growth and development from prenatal through teen years. Other topics include characteristics of quality childcare, career options related to the care and education of children, and the management of multiple community and family roles.

INDIVIDUAL AND FAMILY LIVING (INDV&FAM)

GRADE LEVEL: 10-12

One Semester

Prerequisite: None

This is an all-inclusive home economics course. Students may expect to acquire knowledge and skills related to family living, child development, clothing and textiles, housing, management, consumer economics and responsibilities, food and nutrition, personal and family health, and the relationship between home and work place.

NUTRITION & FOODS SCIENCE (NU&FDSCI)

GRADE LEVEL: 10-12

One Semester

Prerequisite: None

This laboratory course includes a component in nutrition as it relates to the family life cycle, special nutritional needs, and sources. Safety, sanitation, and nutrient retention in food preparation are addressed. Meal etiquette, career options, and techniques for managing multiple family, community, and wage-earner roles are part of the content.

APPAREL (APP)

GRADE LEVEL: 10-12

One Semester

Prerequisite: None

This course provides the student with the skills necessary to construct quality clothing. In addition, students will be able to analyze consumer decision-making practices in individual and family apparel choices, as well as, demonstrate clothing-care procedures.

PERSONAL AND FAMILY DEVELOPMENT (PERFAMDV)

GRADE LEVEL: 9-12

One Year

Prerequisite: None

The content in this laboratory course is all inclusive of the composition of the home economics discipline. Students may expect to acquire knowledge and skills related to family living, child development, clothing and textiles, housing, management, consumer economics and responsibilities, food and nutrition, decision making, managing resources, surviving in the marketplace, career opportunities and requirements, as well as managing the dual roles of homemaker and wage earner.

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*.

Marketing

MARKETING DYNAMICS I (MKTDYN)

GRADE LEVEL: 11-12

One Year – Students may not enter at mid-term (3 Elective credits and fulfills 1 year P.E. Credit)

Prerequisites: Sixteen years of age. Must have transportation. Instructor approval (applications in counseling office).

Marketing Dynamics is a career-oriented, vocational program allowing students to attend school part of the day and work off campus part of the day in a wide variety of jobs, not only receiving training, but salary and school credit.

MARKETING MANAGEMENT (MKTMGT)

GRADE LEVEL: 12

One Year – Students may not enter at mid-term (3 Elective credits and fulfills 1 year P.E. Credit)

Prerequisites: Marketing Dynamics and instructor approval.

Marketing Management is an extension of Marketing Dynamics. It emphasizes management skills, marketing skills, and decision making skills in practical application in a real work situation.

Other Courses

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.

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).

SAT/ACT PREP (SATPRP)

GRADE LEVEL: 11-12

One Semester (Local credit)

Prerequisite: None

This is an online course that features: official practice tests and questions, detailed answer explanations, personalized score reports, and sample essay questions with student responses.

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.

CRIMINAL JUSTICE (ICJ)**GRADE LEVEL:** 9-12**One Semester****Prerequisite:** None

Introduction to Criminal justice is designed as a study of the history and philosophy of criminal justice and its ethical considerations. Crime is defined, its nature exposed, and how these crimes affect society as a whole. Instruction includes an overview of the entire criminal justice system including law enforcement, corrections, and the judicial system.

DUAL CREDIT ORIENTATION TO NAIL TECHNOLOGY**GRADE LEVEL:** 11-12**One Semester (Fall)****Prerequisites:** TAKS: ELA 2100 or ACCUPLACER.

Introduce students to the skills and knowledge necessary for success in the field of nail technology. Students will demonstrate professional ethics, sanitation and sterilization; and explain the rules and regulations of the institution, department, and state. This course will be taken at the Lee College McNair Center in Baytown; BHISD will provide transportation.

DUAL CREDIT PRINCIPLES OF NAIL TECHNOLOGY 1**GRADE LEVEL:** 11-12**One Semester (Fall)****Prerequisites:** TAKS: ELA 2100 or ACCUPLACER.

Introduce the students to the related theory and demonstrate how such knowledge ties into success in the nail technology industry. Students will be able to identify and explain the basic anatomy and physiology of the hands, arms, and feet, and demonstrate the related skills of manicuring and pedicuring. This course will be taken as part of a sequence at the Lee College McNair Center in Baytown; BHISD will provide transportation.

DUAL CREDIT PRINCIPLES OF NAIL TECHNOLOGY 2**GRADE LEVEL:** 11-12**One Semester (Spring)****Prerequisites:** TAKS: ELA 2100 or ACCUPLACER.

Preparing the student by introducing clients in clinic operations and correlating theory concepts into working lab situations. Exhibit the skills mandated by the Texas Cosmetology Commission license examination; demonstrate professional ethics and salon management; and develop client relation and related skills. This course will be taken as part of a sequence at the Lee College McNair Center in Baytown; BHISD will provide transportation.

DUAL CREDIT NAIL ENHANCEMENT

GRADE LEVEL: 11-12

One Semester (Spring)

Prerequisites: TAKS: ELA 2100 or ACCUPLACER.

A continuation of theory and application of artificial nails to include client services. Demonstrate product knowledge and application of artificial nails and exhibit competencies as related to the Texas Cosmetology Commission Examination. This is the final course of the sequence at the Lee College McNair Center in Baytown; BHISD will provide transportation. **Completion of this course will culminate in a Certificate of Completion in Nail Design.**

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.

Dual Credit Classes @ BHHS

Lee College Course	College Credit Hours	LC Course Title	BHHS Course Title	High School Credit
AGRI 2303	4	Agricultural Construction II*	DC Ag Metal Fab. Tech	1/2
AGRI 2301	4	Agricultural Power Technology*	DC Ag Structures Tech	1/2
AGRI 1315	4	Animal Science*	DC Animal Science	1/2
AGRI 1315	4	Horticulture*	DC Horticultural Plant Production	1/2
BCIS 1405	4	Business Computer Information Systems*	DC BCIS	1
BIOL 1405	4	General Biology I*	DC Biology	1/2
CSME 1330	3	Orientation to Nail Technology**	Intro to Cosmetology	1/2
CSME 1431	4	Principals of Nail Technology I**	Manicurist I	1/2
CSME 1441	4	Principals of Nail Technology II**	Manicurist II	1/2
CSME 2530	5	Nail Enhancement**	Nail Enhancement	1/2
DFTG 1405	4	Technical Drafting	Technical Introduction to CAD	1/2
DFTG 1409	4	Basic CAD	Engineering CAD	1/2
ENGL 1301	3	English Composition I*	DC English IV	1
ENGL 1302	3	English Composition II*		
HIST 1301	3	US History to 1877*	DC US Hist	1
HIST 1302	3	US Hist 1877-Present*		
HIST 2322	3	Hist of World Civs to 1500*	DC World History	1
HIST 2323	3	Hist of World Civs from 1500 to Present*		
PSYC 2301	3	Intro to Psychology*	DC Psychology	1/2

All of the above courses receive weighted credit.

* Course can be used as an Advanced Measure

** Course offered at Lee College McNair Center, transportation provided

Dual Credit @ Lee College

Lee College Course	College Credit Hours	LC Course Title	BHHS Course Title	High School Credit
BCIS 1405	4	Business Computer Information Systems*	BCIS	1
SGNL 1401	3	Beginning American Sign Language	Foreign Language Elective	1
SGNL 1402	3	Advanced American Sign Language*	Foreign Language Elective	1
SPCH 1315	3	Principles of Public Speaking *	Speech Elective	1/2
GOVT 2301	3	American Government I*	Government	1/2
GOVT 2302	3	American Government II*		
ECON 2301 or ECON 2302	3	Macroeconomics*	Economics	1/2
	3	Microeconomics*		
PSYC 2301	3	Intro to Psychology*	Psychology	1/2

The above courses do not receive weighted credit as they are NOT taken during the school day.

*Course can be used as an Advanced Measure