



LORIS HIGH SCHOOL

Program of Studies 2020-2021

TABLE OF CONTENTS

Career Planning &
Registration
Promotion Policy
Non-Discrimination
Policy
SC Graduation
Requirements
Minimum Requirements
– Admission to Public
4-Year Colleges &
Universities
Academic Policies &
Procedures
Grade Point Conversion
Chart
LHS Recommended
Course of Study
Project Lead The Way
Additional Electives
Dural Enrollment
January Graduation
Early Graduation
Online Courses
SC Scholarships &
Grants

CAREER PLANNING & REGISTRATION

The Loris High School Program of Studies is the result of a concerted effort to provide you with courses, which will help prepare you for the world of work or for further formal education. We encourage you to consult with parents, counselors, and faculty members in preparing your course selections. We also encourage you to plan not only for the current school year but also for the remainder of your high school years.

In this guide, you will find information regarding the requirements for graduation and rules governing academic standing. Questions should be directed to a counselor, teacher, or principal.

PROMOTION POLICY

Grade 9 to 10: The student will be eligible for promotion if he/she successfully completes 5 units, which must include 1 English and 1 math.

Grade 10 to 11: The student will be eligible for promotion if he/she successfully completes 11 units, which must include 2 units of mathematics and 2 units of English.

Grade 11 to 12: The student will be eligible for promotion if he/she successfully completes 16 units, which must include 3 units of math, 3 units of English, 2 units of science, and 2 units of social studies.

Non-Discrimination Policy

Loris High School does not discriminate on the basis of race, sex, age, national or ethnic origin, religion or disability in the education programs and activities it operates, or in employment opportunities. Loris High School complies with the provision Title VI and Title VII of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972 & Section 504

of the Rehabilitation Act of 1973. If there are any questions, please call Mr. Richard Crumley at 843.390.6800.

HIGH SCHOOL GRADUATION REQUIREMENTS

In order to receive a state high school diploma, the student must have attended the high school issuing the diploma for at least the semester immediately preceding graduation except in the case of a bona fide change of a residence to a location where the sending school will not grant the diploma.

Based on State Law, requirements to receive a South Carolina High School Diploma (graduation requirements) for students in grades 9-12 are prescribed as follows:

* Students must earn 24 total credits to receive a SC high school diploma.*

The 24 credits required for graduation must be earned in the following areas:

English/Language Arts	4 units
U.S. History and Constitution	1 unit
Government and Economics	1 unit
Additional Social Studies	1 unit
Mathematics	4 units
Science	3 units
Computer Science	1 unit
Physical Education or JROTC	1 unit
*and meet the comprehensive Health requirement	
Foreign Language or CATE course	1 unit
Electives	7 units

MINIMUM REQUIREMENTS FOR ADMISSION TO SC PUBLIC 4-YEAR COLLEGES AND UNIVERSITIES

English	4 units
Mathematics (<i>Algebra 1, Geometry, Algebra 2</i>)	3 Units
Laboratory Sciences (<i>1 unit each of 2 laboratory sciences: biology, chemistry, or physics</i>)	2 Units
US History	1 Unit
Government/Economics	½ Unit / ½ Unit
Foreign Language (<i>2 units of the same foreign language</i>)	2 units (Clemson requires 3 units)
Other Social Studies (<i>Global Studies 2 or Law Education</i>)	1 Unit
Academic Electives (<i>1 unit of advanced math or computer science or a combination of the or 1 unit of World History, World Geography, or Western Civilization</i>)	4 Units
PE or ROTC	1 Unit
Total	20 Units

Academic Policies & Procedures

Students will receive advisement from school counselors and current teachers to help them make appropriate course selections. Academic recommendations are necessary from the student's teachers in order to ensure appropriate course placement.

Students are encouraged to take seriously the selection of courses for the next school year and choose a course of study based on their individual goals and abilities. The master schedule is developed based on the course request from students. Therefore, schedule change requests will be limited to the following criteria: 1) a student does not meet the prerequisites for a course, 2) a student has already completed the course successfully or 3) a senior requires a course for graduation. Course changes are not allowed in an attempt to select specific teachers, lunch periods or to be in a class with their best friend. All course changes must have the approval of the principal.

In addition to reviewing the South Carolina requirements for a high school diploma, students should also review the minimum requirements for admission to South Carolina public four-year colleges and universities as specified by the South Carolina Commission on Higher Education.

Many colleges and universities are highly selective in their admissions. Loris High School students are encouraged to select a rigorous course of study and enroll in higher level courses when appropriate. A rigorous senior year of study is an expectation of many colleges and employers. Loris High School seniors are encouraged to select challenging courses and to consider Advanced Placement (AP) and Dual Credit options, when appropriate.

Although school counselors are available for academic advising, students and parents are responsible for making certain that the student's academic plan meets the requirements of both the SC high school diploma and post-secondary school of choice.

Disclaimer: Loris High School makes every effort to ensure that the information in this Program of Studies is informative and accurate. However, new statutes and regulations may impact, negate, or change the implementation of programs and/or courses described. This Program of Studies should in no way be seen as a contract, but as a guideline for students as they move through their high school years.

GRADE POINT CONVERSION CHART

10 Point Grading Scale

South Carolina Uniform Grading Scale Conversions

Numerical Average	Letter Grade	College Prep Weighting	Honors Weighting	AP/IB/Dual Credit Weighting
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700

76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100

COURSE DESCRIPTIONS

ENGLISH/LANGUAGE ARTS

English 1

Prerequisite: 8th Grade English Language Arts (ELA)

Credit: 1 credit

This course provides a comprehensive study of World literature, grammar, composition, vocabulary development, speaking, listening skills, and reference skills. Students must complete a research project. The South Carolina End-of-Course exam will be given to all students at the end of this course.

Honors English 1

Prerequisite: 8th Grade English Language Arts Honors (ELA)

Credit: 1 Credit

This course provides a comprehensive study of World literature with a focus on critical reading skills specific to the short story, novel, poetry, drama, and nonfiction. There will be continued application of reference usage, vocabulary development, and essay development. This is an in-depth study that extends beyond the required curriculum. Students must complete a research paper. The South Carolina End-of-Course exam will be given to all students.

English 2

Prerequisite: English 1

Credit: 1 Credit

This course offers study of World Literature genres and universal themes. Students will continue to build on the skills acquired in English I, with continued focus on argument, literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, grammar, and development of a personal voice in writing.

Honors English 2

Prerequisite: Honors English 1 or English 1 with teacher recommendation.

Credit: 1 Credit

This course will continue to build on the skills acquired in English I Honors with a reading focus on World Literature. Using in-depth study that extends beyond the required curriculum, students will continue to focus on argument, literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, and development of a personal voice in writing. There will be continued application of reference usage, vocabulary development, grammar, and essay development. A research project is required.

English 3

Prerequisite: English 2

Credit: 1 Credit

This course surveys American literature beginning with the Native American period. Students will refine skills in the areas of literary analysis, grammar, composition, research, vocabulary development, and public speaking. In order to receive credit for the course, students must successfully complete a research paper/project.

Honors English 3

Prerequisite: English 2 Honors or English 2 with teacher recommendation

Credit: 1 Credit

This course is a comprehensive survey of American literature with an emphasis on argument and literary analysis. Expository and persuasive writing are stressed to promote critical writing skills as well as critical thinking skills. In order to receive credit for the course, students must successfully complete a research paper.

AP English Language and Composition

Prerequisite: English 2 Honors, English 2 with teacher recommendation

Credit: 1 Credit

Advanced Placement English Language and Composition is designed to specifically engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students will read and write essays on selected literary works; therefore, they must possess strong skills in analytical reading and written expression. Most essays are written in class in response to questions designed to prepare students for the Advanced Placement English Language and

Composition Examination. The reading in the course focuses on writings by autobiographers, diarists, biographers, history writers, critics, essayists, fiction writers, journalists, political writers, science writers, and nature writers in order to analyze and interpret examples of good writing and to identify and explain an author's use of rhetorical strategies and techniques. This course requires extensive reading outside class. Placement in the course is based on academic performance, standardized test scores, and teacher recommendation.

English 4

Prerequisite: English 3

Credit: 1 Credit

This course offers an in-depth study of British literature. Literary criticism, expository and persuasive writing, critical thinking, vocabulary, and research are emphasized. In order to receive credit for this course students must successfully complete a research paper.

Honors English 4

Prerequisite: English 3 Honors, AP English Language, or English 3 with teacher recommendation.

Credit: 1

This course offers an in-depth study of British literature. Literary criticism, expository and persuasive writing, critical thinking, vocabulary, and research are emphasized. The work in this class is characterized by a high degree of complexity and study. Students must read independently and write complex literary analyses. In order to receive credit for this course students must successfully complete a research paper.

AP English Literature and Composition

Prerequisite: Honors English 3, AP English Language & Composition, or English 3 with teacher recommendation

Credit: 1 Credit

Advanced Placement English Literature and Composition is designed to involve students in the study of composition and literature at the college level. Students will read and write essays on selected literary works; therefore, they must possess strong skills in analytical reading and written expression. Most essays are written in class in response to questions designed to prepare students for the Advanced Placement English Literature and Composition Examination. Course content focuses upon novels, drama, and poetry. This course requires extensive reading outside class. Placement in the course is based on academic performance, standardized test scores, and teacher recommendation.

Journalism 1

Prerequisite: Teacher recommendation

Credit: 1 Credit

This course focuses on two aspects of journalism: broadcasting and print. In the broadcasting strand, you will be exposed to the past, present, and future of mass media. You will analyze a variety of mass media including comics, animation, film, radio, television, and the internet. You will also explore the effects of mass media on society. The print strand encompasses intensive instruction in writing, design, and desktop publishing for newspapers and yearbooks. Issues such as ethics, responsibility, and publication laws will also be covered. Students should possess strong reading and writing skills.

Journalism 2

Credit: 1 Credit

Journalism 2 focuses on the preparation and production of the school yearbook.

MATHEMATICS

Foundations of Algebra (year-long)

Prerequisite: Math 8

Credit: 1 elective credit (fall) / 1 math credit (spring)

Focuses on the ability to understand and apply mathematics to solve realistic workplace problems. Algebraic skills are taught through an interactive approach. Topics include generalizations and algebraic symbols, algebraic expressions in problem solving situations, equations and inequalities, slopes of lines, linear functions and data representation. Students will use graphing calculators (TI-84) and appropriate computer software. (2 semester course).

Intermediate Algebra

Prerequisite: Foundations of Algebra or a final grade of a 'D' in Algebra 1 with teacher rec.

Credit: 1 credit

The second course in a program focusing on development of student's ability to understand and apply mathematics to solve real workplace problems. Algebraic skills are taught through an interactive approach. Topics include generalizations, algebraic symbols and matrices, algebraic expressions in problem solving situations, interpretations, linear functions and data representation, systems of linear equations, linear and quadratic functions and other functions. Students will use graphing calculators (TI-84) and appropriate computer software. **Foundations in Algebra and Intermediate Algebra meet the state Algebra standards. The state Algebra 1 End-of-course exam will be given at the completion of Intermediate Algebra.**

Algebra 1

Recommended criteria for placement should meet 2 out of the 3: *MAP: 245> *SC Ready: 650
*Math 8 Grade: 85>

Credit: 1 Credit

Algebra 1 focuses on the development of the student's ability to use a variety of representations, tools, and technologies to model mathematical situations in order to solve meaningful problems. The course topics include generalizations, algebraic symbols, matrices, algebraic expressions in problem-solving situations, relationships, equations, inequalities, interpretations, linear functions, systems of linear equations, quadratic functions and data representations. Students will use graphing calculators (TI-83 Plus) and appropriate computer software throughout the course. *The state Algebra 1 end-of-course test will be given at the completion of the course.*

Geometry

Prerequisite: Algebra 1

Credit: 1 Credit

Geometry is the mathematical study of shapes, their properties, and their relationships. The course competencies meet the state geometry standards. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations. Students will use a variety of approaches, such as coordinate, transformational, and axiomatic systems. They will also develop an appreciation for the connections between geometry and other disciplines. Students will use graphing calculators (TI-83 Plus) and appropriate computer software throughout the course.

Honors Geometry

Prerequisite: Honors Algebra 1 with a grade of 85 or higher

Credit: 1 Credit

Geometry is the mathematical study of shapes, their properties, and their relationships. The course competencies meet the state geometry standards. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations. Students will use a variety of approaches, such as coordinate, transformational, and axiomatic systems. They will also develop an appreciation for the connections between geometry and other disciplines. Honors Geometry also includes the study of conditional statements, truth tables, and Pick's theorem. Students will be taught in greater depth and difficulty at this level. They will use graphing calculators (TI-83 Plus) and appropriate computer software throughout the course.

Algebra 2

Prerequisite: Geometry

Credit: 1 Credit

Algebra 2 contains an in-depth study of functions, patterns, relationships, and concepts of number systems. Conic sections are also addressed. In Algebra 2, graphing calculators (TI-83 Plus) are required as part of instruction and assessment. Students should use a variety of representations, tools, and technologies to model situations to solve meaningful problems. Appropriate computer software will also be used throughout the course. Algebra 2 is a requirement for most colleges and universities.

Honors Algebra 2

Prerequisite: Honors Geometry with a grade of 85 or higher

Credit: 1 Credit

Algebra 2 contains an in-depth study of functions, patterns, relationships, and concepts of number systems. Conic sections are also addressed. In Algebra 2, graphing calculators (TI-83 Plus) are required as part of instruction and assessment. Students should use a variety of representations, tools, and technologies to model situations to solve meaningful problems. Honors Algebra 2 also includes the study of logarithmic and polynomial functions. Students will be taught in greater depth and difficulty at this level. Appropriate computer software will also be used throughout the course.

Probability and Statistics

Prerequisite: Algebra 2 and Geometry

Credit: 1 Credit

Probability, Statistics, and Data Analysis is a course in which students learn the fundamental principles of probability and statistics and apply these principles to data analysis. Students are expected to utilize scientific calculators, graphing calculators, and/or computer software throughout the year. Students will be encouraged to utilize the skills emphasized in this course through projects, investigations, case studies, and other appropriate methods.

Honors Pre-Calculus

Prerequisite: Honors Algebra 2 with a grade of 85 or higher

Credit: 1 Credit

Pre-calculus is a program of mathematical studies focusing on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Other topics studied are sequences, series, vectors, conic sections, parametric equations, and polar curves. Emphasis is placed on active participation through modeling, technology lab activities, group activities, and communication in mathematics. Honors Pre-calculus also includes the study of decomposition of rational expressions, systems of second-degree equations and inequalities, complex numbers in polar form, iteration, and fractals. Students will be taught in greater depth and difficulty at this level. They will use technology,

including graphing calculators (TI-83 Plus), computers, and data-gathering equipment throughout the course.

AP Statistics

Prerequisite: Probability & Statistics or Algebra 2 Honors with teacher recommendation

Credit: 1 Credit

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Important components of the course should include the use of technology, projects and laboratories, cooperative group problem-solving, and writing, as a part of concept-oriented instruction and assessment. The topics for AP Statistics are divided into four major themes: exploratory analysis, planning and conducting a study, probability, and statistical inference. The College Board prescribes the competencies of this course. Students must take the AP Examination.

Students who successfully complete the course and exam will receive high school credit; in addition, students who score at an acceptable level on the exam will be eligible to receive college credit from participating institutions.

AP Calculus AB

Prerequisite: Honors Pre-Calculus with a grade of 85 or higher

Credit: 1 Credit

Advanced Placement Calculus AB was developed by the College Board with prescribed curricula and tests for which students receive high school credit, and for which students scoring at an acceptable level on the Advanced Placement examination will be eligible to receive college credit from participating institutions. Students enrolling in the course must be familiar with the properties of functions, the algebra of functions, and the graphs of functions. Students must also understand the language of functions (e.g., domain and range, odd and even, periodic, symmetry, zeros, intercepts) and be very familiar with the unit circle and the values of trigonometric functions of numbers. Advanced Placement Calculus AB focuses on topics in analytical geometry, functions, and differential and integral calculus. The College Board prescribes the competencies of this course. Students must take the AP Examination.

SCIENCE

Four year SC colleges require three lab sciences for college admissions. The lab courses are designated in the course description. The Science Department strongly recommends that all college-bound students include Chemistry in their course selections.

Physical Science

Credit: 1 Credit

This course is designed to give the student an introduction to chemistry and physics. The following topics will be covered: SI units and measurement; graphing and analyzing data; properties of matter; chemical bonding and chemical reactions; introduction to organic chemistry; relationship between matter and energy; energy as it relates to force, work, power, and heat; simple machines; light electricity and magnetism; and energy resources.

Honors Physical Science

Prerequisite: Completed/Enrolled in Algebra 1

Credit: 1 Credit

This course is designed to give the student an introduction to chemistry and physics. The following topics will be covered: SI units and measurement; graphing and analyzing data; properties of matter; chemical bonding and chemical reactions; introduction to organic chemistry; relationship between matter and energy; energy as it relates to force, work, power, and heat; simple machines; light electricity and magnetism; and energy resources. The Honors Physical Science course is designed to challenge the student at the highest level of critical thinking by providing the student with many opportunities to apply problem-solving strategies in a lab-oriented environment.

Biology

Prerequisite: Physical Science, Completed/Enrolled in Algebra 2

Credit: 1 Credit

This is a college preparatory course designed for those students requiring a background in biology. Course content will cover the following concepts: scientific method, characteristics of living things, cell structure and function, genetic principles and their practical applications. All concepts will be reinforced by laboratory experiences.

Honors Biology

Prerequisite: Honors Physical Science, Honors Geometry with teacher recommendation

Credit: 1 Credit

This course is designed to challenge the student at the highest level of critical thinking and problem solving. The course will cover the following concepts: scientific method, characteristics of living things, cell structure and function, genetic principles and their practical applications. Concepts will be reinforced by laboratory experiences. Students enrolled in the course will be required to complete a science research project and several lab activities that require research.

AP Biology

Prerequisite: Honors Biology 1 and Honors Chemistry

Credit: 1 Credit

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. It is designed to be taken after the successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course content will include the general areas of molecules and cells, heredity and evolution, and organisms and populations.

Chemistry

Prerequisite: Physical Science, Biology 1, Algebra 2

Credit: 1 Credit

Chemistry 1 is designed for students who have shown proficiency in science and who may wish to pursue a science-related career. This course will cover the following concepts: measurements using the SI system; problem solving using dimensional analysis; properties of matter; relationship between matter and energy; structure and composition of matter; electron configuration; arrangement of the periodic table; chemical bonding and balancing chemical equations; stoichiometry; oxidation-reduction reactions; kinetic theory as applied to solids, liquids, and gases; carbon and carbon compounds; and radioactivity. This is a lab-based science course and students will be expected to participate in several lab activities in other special projects.

Honors Chemistry

Prerequisite: Honors Physical Science, Honors Biology, Completed/Enrolled in Algebra 2

Credit: 1 Credit

This course is designed for the student who has shown proficiency in science and may wish to pursue a science-related career. It is designed to challenge the student at the highest level of critical thinking and problem solving. This course will cover the following concepts: measurements using the SI system; problem solving using dimensional analysis; properties of matter; relationship between matter and energy; structure and composition of matter; electron configuration; arrangement of the periodic table; chemical bonding and balancing chemical equations; stoichiometry; oxidation-reduction reactions; kinetic theory as applied to solids, liquids, and gases; acids, bases and salts; carbon and carbon compounds (organic chemistry); and radioactivity. This is a laboratory-based science course; students will be required to complete several research-based projects and several very technical-based experiments.

AP Chemistry

Prerequisite: Honors Physical Science, Honors Biology, Honors Chemistry, Honors Algebra 2

Credit: 1 Credit

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through

inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities.

Environmental Science

Prerequisite: Biology 1

Credit: 1 Credit

This course is designed to give the student information about the environment and reinforce the science standards. The content will include the following concepts: understanding our environment; problem solving using the SI system; living things in ecosystems; how ecosystems work; energy and energy transformations; water and water quality; air pollution and its effects on ecosystems; waste and waste management; and population growth. Each student will be required to complete a project.

Honors Physics

Prerequisite: Honors Physical Science 1, Honors Biology 1, Honors Chemistry 1, Completed/Enrolled in Geometry

Credit: 1 Credit

Honors Physics is designed as a laboratory-based course that will introduce students to the following concepts: measurements using SI units and dimensional analysis; mechanics; heat and kinetic theory; light; sound; electricity and electromagnetism, and particle physics. This course will be designed to challenge the student to apply problem-solving skills to several different types of laboratory experiences, many of which will be computer-based. Basic computer skills are recommended.

AP Environmental Science

Prerequisite: Honors Geometry

Credit: 1 Credit

The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science. Unlike most other introductory-level college science courses, environmental science includes a wide variety of subjects, including geology, biology, marine science, chemistry, and geography. Students must possess high level reading and math skills, be willing to commit to extensive studying outside of class, and be prepared for intensive laboratory and field work which may require additional time outside of school hours. Students will take the corresponding AP Exam in May.

SOCIAL STUDIES

World History

Credit: 1 Credit

World History from 1300: The Making of the Modern World is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is focal to this course, which emphasizes on why and how people, ideas, and technology have made an impact on diverse groups of people. Covers from the mid 15th century up to the present day.

Honors World History

Prerequisite: Teacher recommendation

Credit: 1 Credit

World History from 1300: The Making of the Modern World is designed to assist students in understanding how people and countries of the world have become increasingly interconnected. In the last six hundred years, population growth, demand for resources, curiosity, and technology have converged to draw the distant corners of the world closer together. Critical thinking is focal to this course, which emphasizes on why and how people, ideas, and technology have made an impact on diverse groups of people. Covers from the mid 15th century up to the present day.

AP Human Geography

Prerequisite: Academic performance and teacher recommendation

Credit: 1 Credit

This course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

US History

Prerequisite: World History

Credit: 1 Credit

The focus of United States History and the Constitution is the story of the American people from the period of the Mesoamerica civilizations to the present day—a span that includes the early Native Americans, the establishment of various European colonies, the creation of the United States as a new nation during the American Revolution, the territorial expansion to the West, the American Civil War and Reconstruction, the industrialization and immigration of the late nineteenth century, and the nation's developing role in world affairs in the twentieth and twenty-first centuries.

AP US History

Prerequisite: Academic performance and teacher recommendation
Credit: 1 Credit

Designed as a college-level course, AP US History is an intensive study that requires the utilization of skills and factual knowledge to analyze the problems in US history. The course involves research, interpretation, critical analysis, and extensive reading. Specific emphasis will be placed on social, economic, and political trends of the US in foreign and domestic affairs through the 20th century. Analysis and interpretation of documents, maps, statistical data, pictorial and graphic evidence will be required. Placement in the course is based on academic performance, standardized test scores, and teacher recommendation.

Government/Economics

Prerequisite: U.S. History or AP U.S. History
Credit: (.5) Government credit and (.5) Economics credit

One semester will cover American Government and one semester will cover Economics. The Government course emphasizes the study of the structure and function of the American government, including the relationship among the three branches and the various levels of local, state, and national government. An overview of other governments and current events will be discussed and analyzed. The Economics course is a study of the Free Enterprise System and a practical analysis of its development and utilization. The main topics are scarcity, choice, trade-offs, supply and demand, production, consumption, money management, inflation, taxation, government regulations, current issues, and other economic systems.

Honors Government/Economics

Prerequisite: U.S. History or AP U.S. History
Credit: (.5) Government Credit and (.5) Economics Credit

One quarter will cover American Government and one quarter will cover Economics. The Government course emphasizes the study of the structure and function of the American government, including the relationship among the three branches and the various levels of local, state, and national government. An overview of other governments and current events will be discussed and analyzed. The Economics course is a study of the Free Enterprise System and a practical analysis of its development and utilization. The main topics are scarcity, choice, trade-offs, supply and demand, production, consumption, money management, inflation, taxation, government regulations, current issues, and other economic systems.

AP U.S. Government and Politics

Prerequisite: AP U.S. History or U.S. History with teacher recommendation
Credit: 1 Government credit

The AP U.S Government and Politics course will present an analytical perspective on government and politics in the United States. Its guiding goals are to help students develop a critical understanding of the strengths and weaknesses of the American political system, understand the rights and responsibilities of citizens, while also helping them succeed on the AP U.S. Government and Politics exam. In order to achieve these objectives, the course will include both the study of general concepts used to interpret U.S. politics, and the analysis of specific examples. It also requires students to become familiar with the various institutions, groups, beliefs, and ideas that constitute the U.S. political system. Students take the AP U.S. Government and Politics exam in May.

FOREIGN LANGUAGE

Spanish 1

Credit: 1 Credit

This course is designed as an introduction to the study of the Spanish language. Both the content of the course and the instructional materials used to teach it are based on the SC Foreign Language Curriculum Standards, which can be accessed on the SC Department of Education website: http://ed.sc.gov/agency/Standards-and-Learning/Academic-Standards/old/cso/foreign_language/. The primary purpose of all instruction is to develop the student's ability to communicate in Spanish and to offer real-life opportunities to practice using the elements of the language. Students will be engaged in activities that simulate real-life situations, promote critical thinking, and build their communicative ability in Spanish. Such activities include role playing, interviewing, dialogues, communication gap activities, total physical response, task-based activities, pair and small-group activities, games, songs, rhymes, jingles, stories, and logic problems.

Spanish 2

Prerequisite: Spanish 1

Credit: 1 Credit

Spanish 2 is a continuation of Spanish 1. The students will review the grammar learned in Spanish 1. Progressive and past tenses will be stressed. More emphasis is placed on speaking skills and in-depth points of grammar.

Honors Spanish 3

Prerequisite: Spanish 2

Credit: 1 Credit

The first semester of this course is a continuation of Spanish 2. Students will review all elements of Spanish grammar studied in Spanish 1 and 2. They will also be introduced to classics of Spanish literature through reading excerpts. Emphasis is placed on reading comprehension, as well as grammatical skills.

PHYSICAL EDUCATION/AJROTC

PE 1/Health

Credit: 1 Credit

This course is designed to help students demonstrate competency in at least four movement forms; design and develop an appropriate fitness program to achieve a desired level of personal fitness; master two team sports and two individual sports; participate regularly in health-enhancing physical activity outside of class; and meet gender and age-group health-related physical fitness standards. PE 1 is a required course to receive a high school diploma. The only exception to the PE 1 requirement is JROTC 1.

PE 2/Sports Conditioning

Prerequisite: PE 1 or ROTC

Credit: 1 Credit

Students will concentrate on learning sport-skills competence, offensive and defensive sports strategies, and physical literacy. Sport education units learned are volleyball, softball, tennis, basketball, badminton, soccer, football, and personal fitness. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

PE 3/Strength/Conditioning

Prerequisite: PE 1 or ROTC

Credit: 1 Credit

Student athletes are encouraged to participate in this class to build endurance and strength for their upcoming sport. Students are required to dress out daily for weightlifting, agility work, and total body enhancement. Expect to sweat! A student must have a written recommendation from his/her coach to be put in this class. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

PE 4/Strength/Conditioning

Prerequisite: Must qualify and apply with the athletic director

Credit: 1 Credit

Student athletes are encouraged to participate in this class to build endurance and strength for their upcoming sport. Students are required to dress out daily for weightlifting, agility work, and total body enhancement. Expect to sweat! A student must have a written recommendation from

his/her coach to be put in this class. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

Sports & Conditioning

Prerequisite: Physical Education 1

Credit: 1 Credit

This elective course is designed for out of season athletes who are looking to improve their skills and fitness. A focus will be placed on strength, agility, and sport specific fitness. Activities and drills will be included to allow for athletes to improve their individual skill level as well. This course may not be used in lieu of PE 1 to satisfy the graduation requirement. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

AJROTC 1

Credit: 1 Credit

This course is the introductory course designed to instruct the students to demonstrate a knowledge of the rights, responsibilities (including respect for constituted authority), privileges and freedoms that underlie good citizenship; display leadership potential and the ability to live and work cooperatively with others; demonstrate proficiency in basic military skills (such as drill and ceremonies, first aid, and map reading) that are necessary for working effectively as a member of a team; demonstrate a knowledge of the dangers of substance abuse and the importance of mental management including goal setting and positive self-talk; and express a desire to graduate from high school.

AJROTC 2

Prerequisite: AJROTC 1

Credit: 1 Credit

This course expands on AJROTC 1 and is designed to instruct the students to demonstrate a knowledge of the ethical values and principles that underlie good citizenship; display leadership potential which shows the ability to live and work cooperatively with others; display a knowledge of the history, purpose, and structure of the total army, with emphasis on the role and accomplishments of the army; demonstrate a knowledge of basic military skills in drill and ceremonies, first aid and map reading that are necessary for working effectively as a member of a team; display an understanding of the effects that substance abuse has on users now and in the future and the importance of mental management; and express a desire to graduate from high school.

AJROTC 3

Prerequisite: AJROTC 2

Credit: 1 Credit

This course expands on AJROTC 2 and is designed to instruct the students to demonstrate a knowledge of the federal and military systems of justice; apply leadership assessment principles and display leadership potential by demonstrating the ability to solve effectively problems and deal with surprise situations and subordinates; display a knowledge of the history, missions, and organizations of the department of defense and of the military services of the US Armed Forces; demonstrate proficiency in basic military skills such as drill and ceremonies, first aid, and map reading and assist in the teaching and demonstration of these skills to junior cadets; describe the role that alcohol and drugs can play in a person's life and how leaders as role models can help prevent drug abuse; and express a desire to graduate from high school.

AJROTC 4

Prerequisite: AJROTC 3

Credit: 1 Credit

This course expands on AJROTC 3 and is designed to instruct students to display a knowledge of ethical reasoning and decision making; demonstrate the ability to apply effective leadership and communication skills in an assigned command or staff position within the cadet battalion; and demonstrate leadership potential as a leader, role model, coach, counselor, and assistant instructor.

Leadership Team 1

Credit: 1 Credit

This course expands on JROTC 1. This is the most demanding position in the entire cadet corps. Cadets appointed to this unit staff must be mature and willing to accept responsibility. Basic responsibilities include maintaining unit strength records and reports, personnel management, cadet morale, and discipline.

Leadership Team 2

Credit: 1 Credit

This course expands on JROTC 2. This is the most demanding position in the entire cadet corps. Cadets appointed to this unit staff must be mature and willing to accept responsibility. Basic responsibilities include maintaining unit strength records and reports, personnel management, cadet morale, and discipline.

Leadership Team 3

Credit: 1 Credit

This course expands on JROTC 3. This is the most demanding position in the entire cadet corps. Cadets appointed to this unit staff must be mature and willing to accept responsibility. Basic

responsibilities include maintaining unit strength records and reports, personnel management, cadet morale, and discipline.

Leadership Team 4

Credit: 1 Credit

This course expands on JROTC 3. This is the most demanding position in the entire cadet corps. Cadets appointed to this unit staff must be mature and willing to accept responsibility. Basic responsibilities include maintaining unit strength records and reports, personnel management, cadet morale, and discipline.

CAREER AND TECHNOLOGY

Fundamentals of Computing

Prerequisite: None

Credit: 1 credit

This course is designed to introduce students to the field of computer science through focusing on conceptual ideas of computing. They will study practices of algorithm development, problem solving, programming, interface design, robotics, societal and ethical issues related to the lives of students today. This course fulfills the computer science graduation requirement. (CATE course)

Fundamentals of Web Design and Development

Credit: 1 Credit

This course is designed to provide you with the knowledge and skills needed for entry-level positions in web publishing. HTML code will be taught and used to produce web pages for posting on the Internet. You will use links and tools to navigate, to interact, to create, and to communicate. This course fulfills the computer science graduation requirement.

Marketing

Credit: 1 Credit

The course focuses on key marketing concepts, the role of marketing within organizations, and the role of marketing in society. Among topics discussed are the importance of marketing, the interrelationship of the different phases of marketing, the differences between the marketing of goods and services, wholesaling, retailing, pricing strategies, analysis of markets, and distribution. The course will acquaint the student with basic marketing concepts, terminology, and applications. The use of marketing in a variety of industries will be explored.

Computer Forensics

Credit: 1 Credit

Computer Forensics is focused on teaching students how to gather evidence and prevent cybercrime through classes in computer, criminology, law, digital security and investigative techniques. Students will learn to collect, preserve, present, and prepare computer-based evidence for the purposes of criminal law enforcement or civil litigation. Activities will define the central roles of computer forensic practitioner involved in investigating computer crime scenes and torts involving computers. Students will be prepared to assist in the formulation and implementation of organizational computer forensics preparedness policies, to determine the necessity for forensic procedures, extend governance processes to allow for proper future forensic investigations, and to be contributing members of computer forensics investigation teams.

Entrepreneurship

Credit: 1 Credit

This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. Students will have the opportunity to listen to guest speakers who currently own a business in areas of interest. Each student is also required to perform a job shadowing experience with a business owner and/or in a career of interest as stated in the student's IGP. This allows students to see the concepts of this course being utilized and provides WBL/hands on experience.

Social Media in Business

Credit: 1 Credit

This course introduces students to the current field of social media and prepares them to explore and create successful social media strategies for businesses. It gives students the knowledge, tools, and methods to use different social media tools and networks in a business environment.

Exploring Computer Science

Credit: 1 Credit

Fundamentals of Computing is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Through creativity and innovation, students will use critical thinking and problem solving skills to implement projects that are relevant to students' lives. They will create a variety of computing artifacts while collaborating in teams. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design. Students will also be introduced to computing careers and will examine societal and ethical issues of computing.

Digital Media Marketing

Credit: 1 Credit

This course examines all aspects of advertising and digital media marketing. Students will creatively plan, design, and develop an advertising campaign for a product or service using real-world applications and considerations. Students will integrate technology commonly used in the advertising industry.

Game Design and Development

Credit: 1 Credit

Game Design and Development is a course covering major aspects of game design including character and world development, game playing, game genres, and theories and principles of game design. Students will gain hands-on experience in simple game development. Concepts and practices will be explored to help students decide if they are interested in pursuing careers in game programming.

Virtual Enterprise 1, 2, HONORS 3, 4

Credit: 1 Credit

The Virtual Enterprise program allows students to experience within a simulated business environment all facets of being an employee/entrepreneur. Students run simulated businesses in their schools and engage in virtual trading with other virtual businesses. The program provides students with instruction and an in-school work experience to develop college and career ready skills. Opportunities to participate in organized competitions on local, state, and national levels are integral to the course.

Agricultural Science & Technology

Credit: 1 Credit

This course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture to the welfare of the world. Basic personal and community leadership and safety as well as agricultural mechanical technology are included as a part of the instructional program.

Turf & Lawn Management 1

Prerequisite: Agricultural Science or Biology

Credit: 1 Credit

This course is designed to teach knowledge and skills for entry-level positions in the turf-grass industry. The principles and practices involved in establishing, managing, and maintaining grassed

areas for ornamental and recreational purposes are studied. The course offers hands-on experience and studies of turf-grass species, soils science, plant structures, fertilization, greenhouse and horticulture operations, watershed study, forestry study, machinery maintenance and operations.

Sports Turf Management

Prerequisite: Agricultural Science Turf Management 1

Credit: 1 Credit

This course offers hands-on experience for students in the areas of turf painting, design, and layout of sports turf fields in addition to all aspects of professionally maintaining sports fields such as baseball, football, softball, and soccer fields.

Agribusiness & Marketing

Prerequisite: Agricultural Science, Turf Management, and Sports Turf Management

Credit: 1 Credit

The Agricultural Sales and Service course is designed to introduce students to the world of business organization and procedures. Business organization, sales, interpersonal skills, operational procedures, record keeping, design, marketing, and cost analysis of production are specific areas to be covered.

Outdoor Recreation

Credit: 1 Credit

The Outdoor Recreation course is a combination of subject matter and planned learning experiences on the principles involved in outdoor safety, planning outdoor recreational activities, designing parks and special use areas, and outdoor recreational resources on public lands. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities include hunter and boater education; ATV safety; survival and first aid techniques; planning, designing and maintaining an outdoor recreational area; and participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities. (CATE course)

Wildlife Management

Credit: 1 Credit

The Wildlife Science course is designed to teach technical knowledge and skills for entry-level positions in the conservation and/or management of wildlife enterprises. Typical instructional activities include hands on experiences with analyzing problems and developing site plans including the essential elements, concepts, and skills related to wildlife management; understanding basic ecological concepts; implementing habitat management practices;

identifying wildlife and fish species; analyzing policies, laws and regulations, and using natural resources for outdoor recreation; participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience; and participating in FFA activities. (CATE course)

Forestry

Credit: 1 Credit

The Forestry course is designed to teach technical knowledge and skills for entry-level positions in the production, protection, and management of timber and specialty forest resources.

Typical instructional activities include hands-on experiences with assessing environmental factors affecting forest growth; cruising timber; planting trees; managing an established forest; selecting, grading and marketing forest raw materials for converting into a variety of consumer goods; harvesting timber or pulpwood; operating and maintaining equipment; managing forests for multiple purpose uses such as game preserves and recreation; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities

HEALTH SCIENCE

Health Science 1

Credit: 1 Credit

Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this first course students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students get a good grasp of where healthcare has been, where it's going and how professionalism and personal characteristics impact their success. Students will be introduced to "Standard Precautions" and learn about confidentiality through HIPPA. As students are guided through healthcare career exploration, they will discuss education levels, and requirements needed to be successful. Students will participate in a career project, and will hear from guest speakers in the healthcare field. Students will learn first-aid procedures and learn fire safety.

Health Science 2 – Senior Year

Prerequisite: Health Science 1, Medical Terminology, Health Science 3 or both

Credit: 1 Credit

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. Health Science 2, will continue teaching in more detail, the units of study that include advanced study of infection control. They will learn about “Transmission Based Precautions” and become more familiar with OSHA, HIPPA, and the CDC. Students in Health Science 2 will learn how to take vital signs, record them and learn what the data means. Students will learn how law and ethics are applied in the healthcare setting.

Health Science 3

Prerequisite: Health Science 1

Credit: 1 Credit

Health Science 3 acquaints students with basic anatomy and physiology of the human body. Students learn how the human body is structured and the function of each of the 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. This is a very “hands on” course and students will learn through projects and activities in the classroom. Skill procedures and foundation standards are reviewed and integrated throughout the program. Job shadowing is encouraged. This course does not count as a lab science.

Medical Terminology

Prerequisite: Health Science 1

Credit: 1 Credit

Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.

FINE ARTS

Art 1

Credit: 1Credit

This course includes the study of the basic elements and principles of composition and design, art production through a wide range of art activities, variety of media, methods and techniques, art history, aesthetics, and criticism.

Art 2

Prerequisite: Art 1

Credit: 1 Credit

This course includes the same study as Art 1 with more advanced application of media variety. Greater emphasis is placed on individual expression and self-evaluation. Students become more acquainted with opportunities for art careers in various fields and development of a portfolio.

Art 3—Drawing & Painting

Prerequisite: Art 2 and/or teacher recommendation

Credit: 1 Credit

This course includes an in-depth study in selected media, resulting in individual portfolios.

AP Art Studio 2D Design

Credit: 1 Credit

The purpose of this course is to encourage creative as well as systematic investigation of formal and conceptual issues. An emphasis is on making art as an ongoing process involving the student in informed and critical decision making. This course helps students develop technical skills and familiarizes them with the functions of the visual elements. In addition, this course is designed to encourage students to become independent thinkers who will contribute inventively and critically to their culture through the making of art. Students in this course will develop portfolios to submit for evaluation at the end of the school year. The Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media. Issues such as light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth will be addressed through painting, printmaking, mixed media, etc.

Digital Photography

Credit: 1 Credit

Students will take pictures using digital cameras and use Photo Shop to make changes and adjustments in their photos.

Digital Photography 2

Prerequisite: Digital Photography 1

Credit: 1 Credit

Through lectures and hands-on experience, students will learn a basic understanding of the digital camera and its functions. An emphasis will be placed on manipulation of camera controls, exposure, shutter speed, lighting, and on-and-off camera flash. Students will also learn

the basics of digital editing as well as some advanced techniques using Adobe Camera Raw and Adobe Photoshop. Students will gain a greater understanding of the Elements and Principles of Art as they pertain to Digital Photography. Previous experience with photography and the computer is beneficial but not required.

Chorus 1, 2, 3, 4

Prerequisite: Audition Only

Credit: 1 Credit

This course is for intermediate-level to advanced chorus students. Singing independently and without accompaniment is required. Auditioning for All-County Chorus and All-State Chorus will be offered. Attendance at after-school rehearsals and performances is mandatory. Costume purchase is required.

Music Appreciation

Credit: 1 Credit

This course will give an overview of music and music theory and develop an appreciation for classical music, instrumental identification, and music history. It will examine the role of music in various cultures.

Instrumental Band 1, 2, 3, 4

Prerequisite: Recommendation of Band Instructor

Credit: 1 Credit

This course is a continuation of the musical concepts learned in middle school. Emphasis is placed on development of the student's musical capabilities through study, preparation, and performance of various band literature. Instrumental Band Students will perform at concerts and festivals throughout the school year. Attendance at called after-school rehearsals and performances is mandatory.

Orchestra 1, 2, 3, 4

Prerequisite: Middle school orchestra; recommendation from orchestra director to continue from previous year; recommendation from orchestra director to enroll with previous knowledge of orchestra

Credit: 1 Credit

Orchestra is designed as a learning and performing ensemble. Emphasis is placed on technique and musical development at and above grade level based on the National Standards of Music Education. Student performance will be based on attentive curriculum within an ensemble in addition to regular and sustained self-paced practice emphasizing classroom learning. Orchestra performances are of varied genre of music; attendance is mandatory.

Instrumental Music: Piano 1, 2, 3, 4

Credit: 1 credit

This course is designed for students who wish to develop basic piano playing skills, or expand on their existing skills. Time in class will be spent both on and off the keyboards. While playing, students will be working individually and in small groups to master the techniques of playing to learn pieces. There will also be time spent in group instruction on musical notation and theory.

PROJECT LEAD THE WAY (PLTW)

Project Lead The Way is a nonprofit organization that provides a transformative learning experience for PreK-12 students and teachers across the U.S. by creating an engaging classroom environment unlike any other. PLTW empowers students to develop and apply in-demand, transportable skills by exploring real-world challenges. Through pathways in computer science, engineering, and biomedical science, students not only learn technical skills, but also learn to solve problems, think critically and creatively, communicate, and collaborate. We also provide teachers with the training, resources, and support they need to engage students in real-world learning.

Biomedical Science

Principles of Biomedical Science



(PBS)

Prerequisite: Biology

Credit: 1 credit

In this introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. (CATE course).

Human Body Systems (HBS)

Prerequisite: Principles of Biomedical Science
Credit: 1 credit



Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. (CATE course).

ENGINEERING



Introduction to Engineering Design (IED)

Prerequisite: Algebra 1

Credit: 1 credit

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. (CATE course).

Principals of Engineering

Prerequisite: Intro to Engineering Design

Credit: 1 credit

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course fulfills the computer science graduation requirement. Students who satisfactorily complete this course with overall grade of 80 and a 70 on the PLTW exam are eligible for Technical Advanced Placement credit (TAP) at HGTC, EET 113 Electrical Circuits 1 (PLTW) (CATE course).

ADDITIONAL ELECTIVES

English Elective A

Credit: 1 elective credit

Read 180 is a research based, proven program designed to increase students' decoding, fluency, vocabulary, comprehension, and writing skills. Instruction is differentiated and tailored to the individual needs of each student. The model includes experiences in whole and small group instruction, independent reading, and technology based learning. This class is intended to prepare students for English 1.

English Elective B

Credit: 1 elective credit

System 44 is a research based, proven designed to increase students' decoding, fluency, vocabulary, comprehension, and writing skills. This class is intended to prepare students for English 1.

Foundations of Algebra 1 Seminar

Credit: 1 elective credit

Foundations of Algebra 1 helps prepare the students for Foundations of Algebra 1.

Teacher Cadet

Credit: 1 credit

The purpose of this class is to inform and enlighten the student about education as a career choice and to attract highly qualified students into the teaching profession. In this course, the students will be exposed to the many facets of education through current educational readings, class discussions, guest speakers, discovery learning projects, classroom observations, and participatory experiences with schools. They will have the opportunity to earn 3 hours of college credit from Coastal Carolina University upon successful completion of this course. This course is offered by invitation to rising seniors who have a 3.0 cumulative grade point average during their junior year. An application, consisting of attendance records, discipline records, 5 letters of recommendation, and an essay, must be submitted. Applications are evaluated by the Teacher Cadet instructor and a committee of staff members at the school to select participants for the class. (This course will be limited to approx. 15 students per year)

Law Education

Credit: 1 Credit

In this course students will examine the legal and court systems, examine recent court decisions and their impact on individuals' rights, demonstrate an understanding of civil and criminal law, and apply the law to given scenarios. Students will also learn about court procedure and practice public speaking skills.

DUAL ENROLLMENT (PACE)

The Program for Accelerated College Enrollment (PACE) provides opportunities for qualified high school seniors to get a head start on college by taking college credit courses that will also meet high school graduation requirements.

PACE college courses are a valuable opportunity for students that will require personal responsibility and commitment to ensure success. PACE grades are included in the student's high school GPA/Rank and will be weighted as Dual Credit/Advanced Placement (AP) in accordance with the SC Uniform Grading Scale. Failure to complete these courses with a "C" or better may result in a lower overall GPA and ineligibility or loss of financial aid later on. In addition, PACE grades will appear on the student's college transcript and are important to their overall college GPA.

Students should contact their high school counselor for information on how to access the online PACE Application. Students will be responsible for completing all parts of the online application and providing supporting documentation.

JANUARY GRADUATION

Although it is not recommended, January Graduation is an option for students who opt to graduate in January of their senior year. Interested students should schedule an appointment with their counselor prior to the spring of their junior year. A January Graduation application must be completed by the student and parent/guardian and on file in the school counseling office by October 1st of the student's senior year. Please keep the following in mind:

- The fact that a student has met with his/her school counselor, examined his/her transcript, and determined that the necessary units to graduate have been completed, does not ensure that the student has the necessary units to attend a four-year college. It merely means the student is eligible for high school graduation.
- January Graduates will not receive a final rank.
- January Graduates will be awarded a diploma through the base high school as soon as it is issued by the SCDE.
- January Graduates lose all privileges associated with being a student. The January Graduate will not be allowed on campus during the instructional day without an appointment with a school counselor. January Graduates may not attend any function that is designed for active students. Some examples include, but are not limited to, the prom, the academic awards ceremony, the senior celebration, any base school or academy senior recognition ceremony, etc.
- January Graduates will be allowed to participate in the spring base school graduation practice and ceremony (please note: Graduation practice is required for participation in the graduation ceremony).

- January Graduates will be eligible to begin a post-secondary education program and receive all scholarships for which they are eligible.

January Graduates will need to contact the appropriate vendor directly to secure graduation supplies. Please see your base school website to determine the vendor and supplies needed.

EARLY GRADUATION

It is possible for a student to fulfill all graduation requirements in less than four years; however, it is **not** recommended for most students. Students who are interested in this option should schedule an appointment with their school counselor no later than the spring of their sophomore year. An Early Graduation application must be completed by the student and parent/guardian prior to being considered. It is important to understand that even though a student has met with his/her school counselor and examined his/her transcript, it does not ensure that the student has the necessary units to attend a four-year college. It merely means the student is eligible for high school graduation. Early Graduation applications must be on file by October 1st of the student's third year.

ONLINE COURSES

ONLINE COURSES are available to any HCS high school student that meets the criteria for the 2019-2020 school year. Please discuss your interest in these courses with your school's guidance counselor.

SC Scholarships & Grants

General Eligibility Criteria

- Must be a South Carolina resident
- Must be a U.S. citizen or legal permanent resident
- Must be enrolled as degree-seeking student at an eligible South Carolina public or independent institution
- Must not owe a refund or repayment on any State or Federal financial aid and not be in default on a Federal student loan
- Must have never been convicted of any felonies and have not been convicted of any second or subsequent alcohol/drug-related misdemeanor offenses within the past academic year (excluding Lottery Tuition Assistance).

LIFE Scholarship

The General Assembly established the Legislative Incentives for Future Excellence (LIFE) Program in 1998 to increase access to higher education, improve employability of South Carolina's students, provide incentives for students to be better prepared for college, and to encourage students to graduate from college on time. Eligible full-time students may receive the following:

- Up to \$5,000 (including a \$300 book allowance) each academic year toward the cost of attendance at an eligible four-year institution in S.C. Funding limited to eight (8) consecutive terms for the first bachelor's degree or ten (10) consecutive terms for the first approved five-year bachelor's degree

OR

- Up to the cost of tuition plus a \$300 book allowance each academic year at an eligible technical college in S.C. At the eligible two-year public and independent institutions in the State, students may receive up to the cost of tuition at the USC's Regional Campuses. Funding limited to two (2) consecutive terms for the first one-year program or four (4) consecutive terms for the first associate's degree program or a two-year program that is acceptable as full credit toward a bachelor's degree

Initial Eligibility at Four-year Institutions:

Students must meet two of the following:

1. Earn at least a 3.0 cumulative GPA based on the SC Uniform Grading Policy (UGP) upon high school graduation
2. Rank in the top 30 percent of the graduating class
3. Score at least 1100 on the SAT (or 24 on the ACT) through June of the senior year. For the SAT, only the Math and Critical Reading subsection scores can be used

Initial Eligibility at Two-year Institutions:

- Graduate from high school with at least a 3.0 cumulative GPA based on the SC UGP

Additional Eligibility Requirements:

- Must be SC residents at the time of high school graduation and college enrollment
- Must not be recipients of the Palmetto Fellows Scholarship, SC HOPE Scholarship or Lottery Tuition Assistance within the same academic year
- Must meet all general eligibility criteria

There is no separate application required for the LIFE Scholarship. The eligible institution will notify students if they qualify for the Scholarship.

Palmetto Fellows Scholarship

The General Assembly established the Palmetto Fellows Scholarship Program in 1988 to retain academically talented high school graduates in the State through awards based on merit. Full-time students awarded the Palmetto Fellows Scholarship who attend an eligible four-year institution in the State may be eligible for the following:

- Freshman may receive up to \$6,700 during the first year of college enrollment. Sophomores, juniors and seniors may receive up to \$7,500 per year
- The Palmetto Fellows Scholarship must be applied directly toward the cost of attendance, less any other gift aid received

- Assuming continued eligibility, the Palmetto Fellows Scholarship is limited to eight (8) consecutive terms for the first bachelor's degree program or ten (10) consecutive terms for the first approved five-year bachelor's degree program

Initial Eligibility Requirements:

Applications for early awards must be submitted to the Commission on Higher Education for the Palmetto Fellows Scholarship by the date established in *April* each academic year. High school seniors may apply if they meet one of the two following sets of academic requirements:

- Score at least 1200 on the SAT (27 on the ACT)¹ by the November test administration, earn a minimum 3.50 cumulative GPA² on the SC Uniform Grading Policy (UGP) at the end of the junior year, and rank in the top six percent³ of the class at the end of either the sophomore or the junior year

OR

- Score at least 1400 on the SAT (32 on the ACT)¹ by the November test administration and earn a minimum 4.00 cumulative GPA² on the SC UGP at the end of the junior year

Applications for final awards must be submitted to the Commission on Higher Education for the Palmetto Fellows Scholarship by the date established in *June* each academic year. High school seniors may apply if they meet one of the following sets of academic requirements:

- Score at least 1200 on the SAT (27 on the ACT)¹ by the June national test administration of the senior year; earn a minimum 3.50 cumulative GPA² on the SC UGP at the end of the senior year, and rank in the top six percent³ of the class at the end of the sophomore, junior or senior year

OR

- Score at least 1400 on the SAT (32 on the ACT)¹ by the June national test administration and earn a minimum 4.00 cumulative GPA² on the SC UGP at the end of the senior year

For application information, please contact your high school guidance counselor if you meet the above criteria.

1 The score on the SAT must be calculated by using the highest Math score combined with the highest Critical Reading score (formerly known as the Verbal score). Students cannot use the Writing subsection score to meet the minimum SAT score.

2 GPAs must be reported with at least two decimal places and cannot be rounded.

3 Rank is calculated by multiplying the number in class by six percent. If the result is not a whole number, then round up to the next whole number of students.

SC HOPE Scholarship

The SC HOPE Scholarship was established under the SC Education Lottery Act in 2001. It is a one-year merit-based Scholarship created for first-time entering freshman attending eligible four-year institutions in SC. Eligible full-time students may receive the following:

- Up to \$2,800 (including a \$300 book allowance) toward the cost of attendance
- Up to two (2) consecutive terms of funding

Initial Eligibility Requirements:

Earn a minimum 3.0 cumulative GPA on the SC Uniform Grading Policy upon high school graduation

- Be SC residents at the time of high school graduation and college enrollment
- Not be recipients of the Palmetto Fellows Scholarship, LIFE Scholarship or Lottery Tuition Assistance
- Meet all general eligibility criteria.

There is no separate application required for the SC HOPE Scholarship. The eligible four-year institution will notify students if they qualify for the Scholarship.

Lottery Tuition Assistance

The Lottery Tuition Assistance Program was established under the SC Education Lottery Act in 2001. Actual award amounts are dependant upon the number of students eligible and the amount of funding available each academic year.

Initial Eligibility Requirements:

- Must complete and file a Free Application for Federal Student Aid (FAFSA) each academic year or complete a FASFA Waiver (only available to certain students)
- Must be enrolled as a degree-seeking student in a minimum of six credit hours each term
- Must not be recipients of a LIFE, Palmetto Fellows or SC HOPE Scholarship during the same academic year (fall, spring or summer terms)
- Must not receive Lottery Tuition Assistance for more than one certificate, diploma or degree awarded within any five-year period unless the additional certificate, diploma or degree constitutes progress in the same field of study
- Must meet all general eligibility criteria.

SC Need-based Grant

The General Assembly established the S.C. Need-based Grant Program in 1996 to provide additional financial assistance to South Carolina's neediest students. Eligible full-time students may receive the following:

- Up to \$2,500 per year if enrolled full-time or up to \$1,250 per year if enrolled part-time
- Up to eight (8) full-time equivalent terms of funding
- Foster care youth may receive the maximum award in addition to Need-based Grant funds specifically for foster care youth. Youth must self-identify by May 1st.

Initial Eligibility Requirements:

- Must complete and file the Free Application for Federal Student Aid (FAFSA) each academic year
- Must be enrolled and attending or have completed at the time of the grant disbursement a minimum of six credit hours if part-time or twelve credit hours if full-time for the term
- Must meet all general eligibility criteria