

MYRTLE BEACH HIGH SCHOOL

Curriculum Guide



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Mission: Myrtle Beach High School's mission is for every student to graduate globally competitive for work and postsecondary education and prepared for life in the 21st Century.

Seahawk Administration

Principal: Zach McQuigg
Assistant Principals: Michael Rutenburg, Ansley Morrow, and Shamae Hemingway
Instructional Coach: Paula Zokoe

For more information regarding State Approved Curricula see the State Website: [SC Department of Education](http://www.sced.net)

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South Carolina Graduation Requirements:

To earn a high school diploma in the state of South Carolina, students must complete required coursework with a minimum of 24 units. See the table below for a breakdown of required courses.

English Language Arts	Math	Science	Social Studies	CATE or Foreign Language	PE or ROTC	Computer Science	Other Electives
4 credits	4 Credits	3 Credits	3 Credits	1 Credit	1 Credit	1 Credit	7 Credits

*English 1, Algebra 1, Biology, and US History and Constitution require students to complete a state-mandated End of Course Examination, which counts for 20% of the final course grade. *Subject to change.

State law requires each student to complete a program of instruction in comprehensive health education. This requirement is satisfied through the completion of PE 1 or JROTC 1 courses.

Science Credits must include one credit of Biology. Social Studies credits must include Government/Economics (.5 credits each) and US History (1 credit).

Foundations in Computing or Fundamentals of Web Page Design and Development are CATE courses that meet the Computer Education Requirement for Graduation.

South Carolina Uniform Grading Policy: This link provides the latest issue of the SC Uniform Grading Policy. Table related to this policy can be found on the following page.

South Carolina Uniform Grading Policy

All grades on report cards and transcripts in South Carolina's public high schools are **numerical**. Letter grades correspond to numerical scores as outlined below:

Letter Grade	Numerical Average
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

The conversion table (right) assigns quality points to each numerical grade depending on the grade earned and weight category assigned to the course taken. College Preparatory courses earn the base weighting. Honors courses earn one-half quality point more, and Advanced Placement, International Baccalaureate, and Dual-Credit classes earn a full quality point more.

A student's grade point average, class rank, and status as an honors graduate are determined based on this grade point conversion table. For more information, please consult:

[South Carolina's Uniform Grading Policy](#)

Promotion Requirements (9-12)

South Carolina mandates the following requirements for student promotion through grades 9-12:

Grade 9 to 10: The student will be eligible for promotion from grade 9 to 10 if he/she successfully completes **five** Carnegie units, including **one** in Mathematics and **one** in English/Language Arts.

Grade 10 to 11: The student will be eligible for promotion from grade 10 to 11 if he/she successfully completes **11** Carnegie units, which includes a cumulative minimum of **two** units in Mathematics and **two** units in English/Language Arts.

Grade 11 to 12: The student will be eligible for promotion from grade 11 to 12 if he/she successfully completes **sixteen** Carnegie units that meet the state requirements for graduation, including a cumulative minimum of **three** units in Mathematics, **three** in English/Language Arts, **two** in Science, and **two** in Social Studies.

Numerical Average	Letter Grade	College Prep	Honors	AP/IB/ Dual-credit
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	.900	1.400	1.900
58	F	.800	1.300	1.800
57	F	.700	1.200	1.700
56	F	.600	1.100	1.600
55	F	.500	1.000	1.500
54	F	.400	.900	1.400
53	F	.300	.800	1.300
52	F	.200	.700	1.200
51	F	.100	.600	1.100

Horry County Certificate of Honor Recognition: (students must meet ALL criteria)

- GPA = or > 4.0
- Sat V + M = or > 1000 or ACT Composite = or > 22
- 5 or more math courses
- 4 or more credit bearing science courses
- Three or more courses at the AP, IB, or Dual Credit level.
- 3 or more courses in the same foreign language or four courses in two different foreign languages
- Earn at least 28 high school credits, and meet requirements for a State High School diploma
- Show evidence of participation in at least one school-sponsored organization during grades 10 - 12 or complete 50 hours of approved community service during high school.

South Carolina Academic Honor Award:

- Receive a minimum grade of "B" for each semester course through the 7th semester
- Achieve either a score of 710 on the SAT verbal OR a score of 690 on SAT math OR an ACT score of 30 on English OR 33 on Math
- Or Verbal and Math SAT TOTAL of 1400 OR ACT composite score of 31

Scheduling Procedures and Guidelines:

Course Selection and Scheduling

Course Selection takes place the year prior to the actual course start dates. All students are given written information about courses and provided assistance in their selections. Recommendations for enrollment in courses are based on prior academic history, teacher recommendations, and advisement.

Guidelines for Schedule Changes

No schedule changes will be made after the student schedules have been printed, except under the following circumstances:

- 1) Credit is needed for graduation
- 2) Scheduling errors have been made
- 3) Credit has been earned during summer school or attendance make up
- 4) A student as not passed a prerequisite course

No requests for schedule changes will be accepted following the fifth day of a semester without written approval from the principal.

The SC Uniform Grading Policy permits students to withdraw from a course within five days of enrollment without penalty; however, after this time, a grade penalty will apply. The policy reads as follows: "Students who withdraw from a course after three days in a 45-day course, five days in a 90-day course, or 10 days in a 180-day course, will be assigned a letter grade of WF (Withdrew Failing) and a numerical grade of 50 which equals 0 quality points. This WF will be calculated in the student's overall grade point average."

South Carolina College Admissions Guidelines:

The [South Carolina Commission on Higher Education](#) has established the following high school course prerequisites for all students planning to attend a public, four-year college or university within the state:

FOUR UNITS OF ENGLISH: All four units must have strong reading (including works of fiction and non-fiction), writing, communicating, and researching components. It is strongly recommended that students take two units that are literature based, including American, British, and World Literature.

FOUR UNITS OF MATHEMATICS: These units must include Algebra I, Algebra II, and Geometry. A fourth higher-level mathematics unit should be taken before or during the senior year.

THREE UNITS OF LABORATORY SCIENCE: Two units must be taken in two different fields of the physical, earth, or life sciences and selected from among biology, chemistry, physics, or earth science. The third unit may be from the same field as one of the first two units (biology, chemistry, physics, or earth science) or from any laboratory science for which biology, chemistry, physics and/or earth science is a prerequisite. Courses in general or introductory science for which one of these four units is not a prerequisite will not meet this requirement. It's strongly recommended that students desiring to pursue careers in science, mathematics, engineering or technology take one course in all four fields: biology, chemistry, physics, and earth science.

TWO UNITS OF THE SAME WORLD LANGUAGE: Two units with a heavy emphasis on language acquisition.

THREE UNITS OF SOCIAL SCIENCE: One unit of U.S. History, a half unit of Economics, and a half unit of Government are required. World History or Geography is strongly recommended.

ONE UNIT OF FINE ARTS: One unit in appreciation of, history of, or performance in one of the fine arts. This unit should be selected from among media/digital arts, dance, music, theater, or visual and spatial arts.

ONE UNIT OF PHYSICAL EDUCATION OR ROTC. One unit of physical education to include one semester of personal fitness and another semester in lifetime fitness. Exemption applies to students enrolled in Junior ROTC and for students exempted because of physical disability or for religious reasons.

TWO UNITS OF ELECTIVES: Two units must be taken as electives. A college preparatory course in Computer Science (i.e., one involving significant programming content, not simply keyboarding or using applications) is strongly recommended for this elective. Other acceptable electives include college preparatory courses in English; fine arts; foreign languages; social science; humanities; mathematics; physical education; and laboratory science (courses for which biology, chemistry, physics, or earth science is a prerequisite).

Total: 20

Students are encouraged to discuss their options and plans for post-secondary education with their guidance counselor and teachers.

Online Learning and Virtual School Courses:

Students desiring the flexibility of earning supplemental credits outside of Myrtle Beach High School may wish to discuss their eligibility for an approved virtual school program with their guidance counselor. Online learning opportunities are also available for credit-recovery.

For more information on virtual school offerings go to:

[Horry County Virtual School](#)

[South Carolina Virtual School](#)



Advanced Placement Information:

For more information on the Advanced Placement program go to: [The CollegeBoard's Advanced Placement Site](#)

Advanced Placement Course Offerings Myrtle Beach High School offers several Advanced Placement courses for students wishing to pursue college-level coursework and possible college credit. Course offerings are available in all core subject areas, as well as the arts, and foreign language. Students should discuss enrollment in AP courses with their counselor and teachers. At MBHS AP classes require an application for placement into AP courses.

Advanced Placement International Diploma The Advanced Placement International Diploma is a credential that allows students to demonstrate outstanding academic achievement on AP exams across several disciplines. The International Diploma is not a substitute for the high school diploma; rather, it is an optional certificate available to Myrtle Beach High School students who wish to demonstrate academic excellence on an international level.

To earn an AP International Diploma a student must meet the following criteria:

- 1) Earn passing scores of 3 or higher on at least five AP exams. These must include:
 - A) English
 - B) A world language
 - C) AP World History, AP Human Geography
 - D) One math or science
 - E) One additional exam from any content area except English and world languages
- 2) Send at least one AP Grade Report to a university outside the United States.

For more information go to: [The Advanced Placement International Diploma](#)

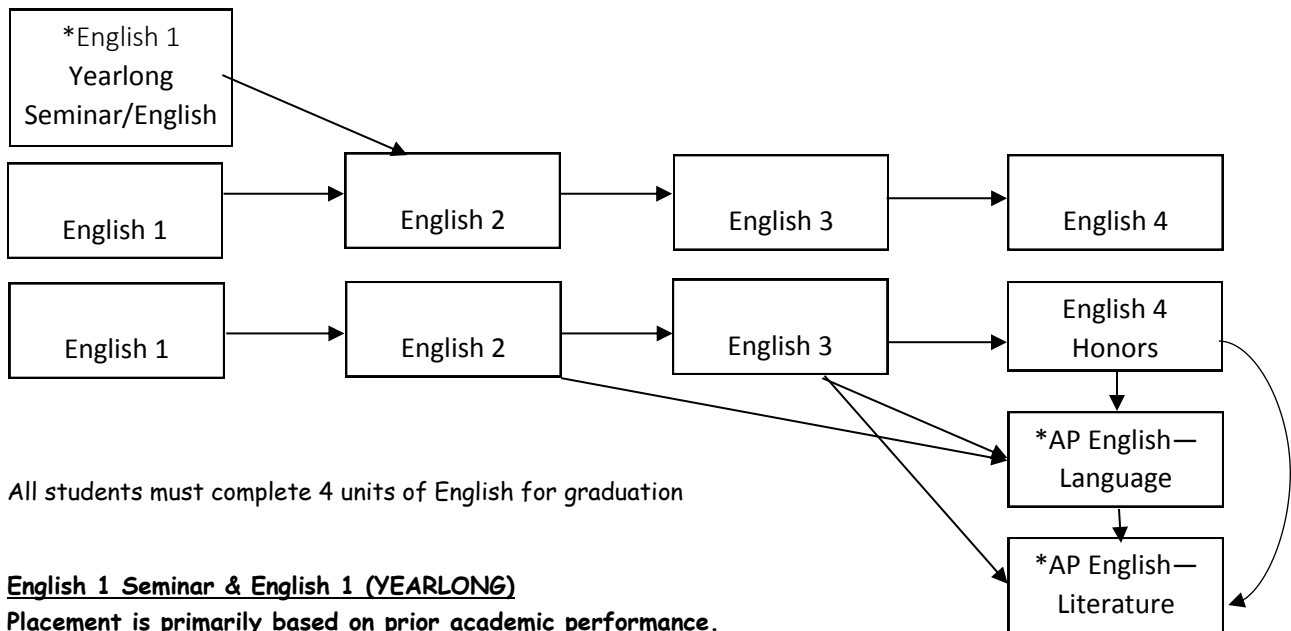
Advanced Placement Capstone Diploma The AP Capstone Program is the College Board's highest honor bestowed to students and it is the most rigorous. Exploring interdisciplinary studies with a concentration on global conflict, students are tasked with analyzing contending perspectives, developing original arguments, and producing original research that is held to the strict professional standards of professional academic journals. To earn an AP Capstone Diploma a student must meet the following criteria:

- 1) Successfully complete AP Seminar course
- 2) Successfully complete AP Research course and defend an original dissertation
- 3) Earn a score of 3 or more on any four additional AP courses

For more information go to: [AP Capstone Program](#)

English Language Arts

Flow Chart:



All students must complete 4 units of English for graduation

English 1 Seminar & English 1 (YEARLONG)

Placement is primarily based on prior academic performance.

Students will be provided with focused training in writing and a thorough review of grammar and usage in this course. Students will review punctuation, capitalization, spelling, and usage and will work on logical thinking and various modes of composition including research. This course is an introduction to college level writing and is excellent preparation for college or technical studies. This course offers instruction in reading, writing, speaking, listening, and research. Students write for various purposes and in a variety of modes. Reading is student, teacher, and district-selected. A research project, a portfolio of student writing, and other work are required.

English 1 Honors

Placement is primarily based on prior academic performance.

The English 1 standards are covered with required World Literature reading selections characterized by a high degree of complexity and more in-depth study. A research paper, a portfolio of student writing, and other work are required.

English 2

Prerequisite: English 1

This course offers study of a major World Literature genres and universal themes. Students read selections from the HCS ELA curriculum map and write for a variety of purposes. Vocabulary and research skills are extended. Students add to their portfolios to build upon the work from in English 1.

English 2 Honors

Prerequisite: English 1 Honors

The English 2 standards are covered and World Literature is the reading focus. The work is characterized by a high degree of complexity and in-depth study. A research project is required. Students add to their portfolios to build upon the work collected in English 1.

English 3

Prerequisite: English 2

This is a college-preparatory course surveying American Literature. Students write for a variety of purposes, complete a research paper, and develop public speaking skills. Vocabulary skills and knowledge are also extended. Students add to their portfolios to build upon the work from in previous English classes.

English 3 Honors

Prerequisite: English 2 Honors

This course incorporates the standards of English 3 and American Literature selections are emphasized. The work is characterized by a high degree of complexity and in-depth study. A research paper is required. Students add to their portfolios to build upon the work collected in previous English classes.

English 4

Prerequisite: English 3

This course focuses on British Literature. Students write for a variety of purposes and develop public speaking skills. Vocabulary skills are also extended. Students continue to add to their writing portfolios.

English 4 Honors

Prerequisite: English 3 Honors

This course incorporates the standards of English 4 with an emphasis on British Literature. The work is characterized by a high degree of complexity and in-depth study. Students must read independently and write complex literary analyses. Students continue to add to their work portfolios.

AP English Language -Adv. Grammar & Composition Honors then AP English Language (YEARLONG)



Prerequisite: English 2 or 3 Honors, and AP Application.

Note: If the student scores below a 75 during first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course follows the curriculum prescribed by the College Board. AP English - Language involves students in the study of language and composition at the college level. Students read and write literary analyses on literary classics (non-fiction and rhetoric). Students must possess strong skills in analytical reading and written expression. Most in-class writing assignments are timed. *Students are required to take the AP English -Language examination.*

AP English Literature - AP English Literature Seminar then AP English Literature and Composition (YEARLONG)



Prerequisite: English 3 Honors and AP Application.

Note: If the student scores below a 75 during the first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course follows the curriculum prescribed by the College Board. AP English - Literature involves students in the study of literature and composition at the college level. Students read and write literary analyses on literary classics (fiction and poetry). Students must possess strong skills in analytical reading and written expression. Most in-class writing assignments are timed. *Students are required to take the AP English - Literature examination.*

AP Capstone Seminar (YEARLONG)



Prerequisite: AP Application

Note: If the student scores below a 75 during the first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course is a foundational course in the AP Capstone program that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, student practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspective in written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

Students are required to take the AP Seminar examination.

AP Capstone Research (YEARLONG)



Prerequisite: AP Seminar and AP Application

Note: If the student scores below a 75 during the first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course is the second course in the AP Capstone experience. It allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. **Students are required to upload a finished research essay and present findings.**

Creative Writing

Prerequisite: 12 Grade or Students who have fulfilled all 4 English Course Graduation Requirements.

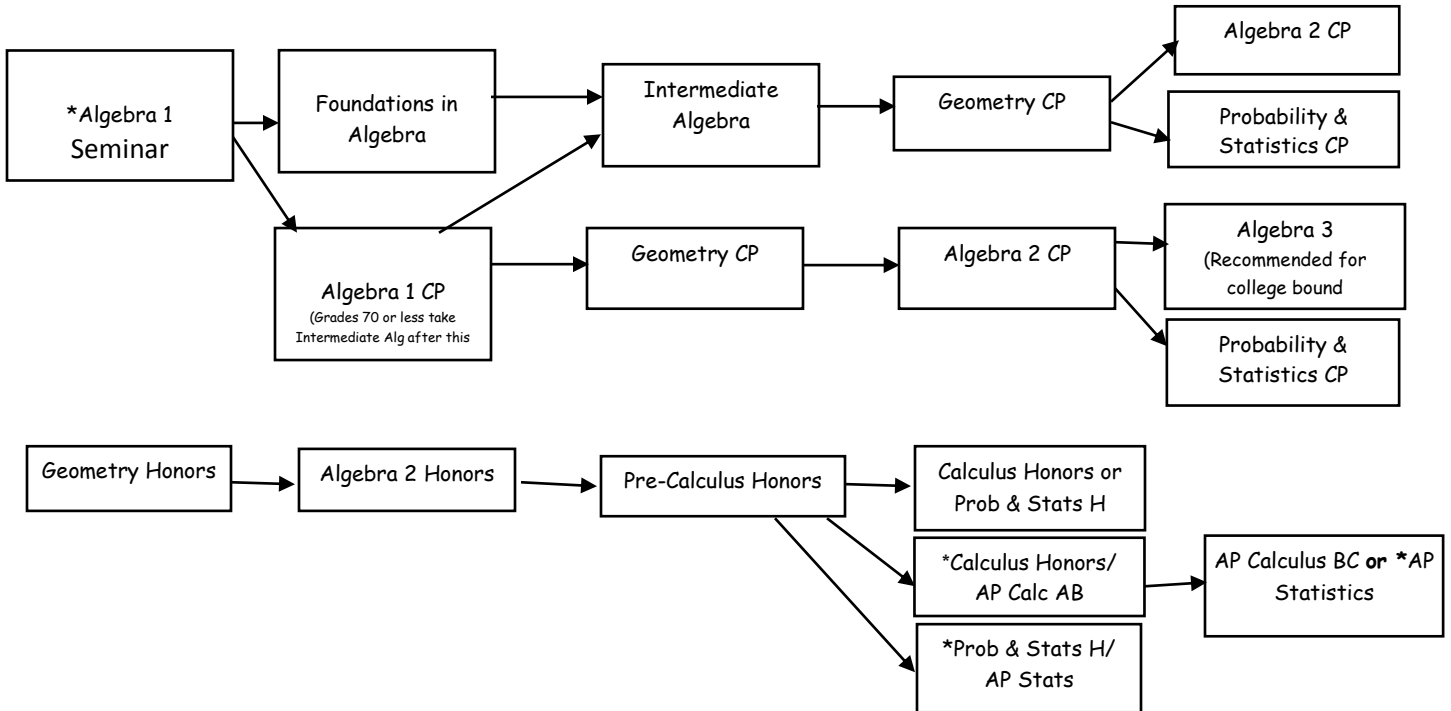
This course will help to round out students' writing abilities while exposing them to a fuller college level discourse and a fuller understanding of writing modes and good writing practice.

Newspaper Production

Students study the history and components of print media, while creating news and feature articles for a class newspaper. Ethics and propaganda are also included. Some articles may be used in the Broadcasting class. Students work in class to create and publish the school's newspaper in both print and online forms. Working on a regular production schedule, students write articles, conduct interviews, take photographs, record video segments, design layouts, and generate online multimedia content. Students also sell advertisements and engage in other business-related aspects of the journalism field.

Math

Flow Chart:



*Students will be promoted to Foundations of Algebra regardless of gaining credit for Algebra 1 Seminar, due to Algebra 1 Seminar being an Elective credit.

All students must complete four units of Mathematics for graduation.

Algebra 1 Seminar

Placement is primarily based on prior academic performance.

This course will focus on the mathematical skills and problem-solving techniques students will need to acquire for success in the study of Mathematics at the high school level. This will include the ability to understand and apply mathematics to solve real-world problems in a hands-on environment. Credit in this course counts as an ELECTIVE credit.

Foundations in Algebra

Placement is primarily based on prior academic performance.

In this course, students are expected to apply mathematics in meaningful ways to solve problems that arise in the workplace, society, and everyday life through the process of modeling. Mathematical modeling involves creating appropriate equations, graphs, functions, or other mathematical representations to analyze real-world situations and answer questions. Use of technological tools, such as hand-held graphing calculators, is important in creating and analyzing mathematical representations.

Intermediate Algebra

Prerequisite: Foundations in Algebra

This course builds on the conceptual knowledge and skills students mastered in SCCC Foundations in Algebra and in earlier grades in areas such as algebraic thinking, statistics, data analysis, and proportional reasoning. Students who complete this two-course integrated sequence will be given the opportunity to master several standards from SCCC Algebra 2 and SCCC Probability and Statistics in addition to all of the standards from SCCC Algebra 1. *Students take the SC End-of-Course Exam for Intermediate Algebra at the end of this course.*

Algebra 1

Placement is primarily based on prior performance.

In this course students will study and master basic algebraic concepts, such as generalizations, algebraic symbols, matrices, algebraic expressions, quadratic functions, systems of linear equations, and data representations. *Students take the SC End-of-Course Exam for Algebra 1 at the end of this course.*

Algebra 1 Honors

Placement is primarily based on prior performance.

Focus for this course is on development of the student's ability to use a variety of representations, tools, and technologies to model mathematical situations to solve meaningful problems. Topics include generalizations, algebraic symbols, matrices, algebraic expressions, relationships, equations, inequalities, interpretations, linear functions, quadratic functions, and data representations. Students will use graphing calculators (TI-83) and appropriate computer software. Students will be taught in greater depth and difficulty at this level. This course prepares students for Honors Geometry. *Students take the SC End-of-Course Exam for Algebra 1 at the end of this course.*

Geometry

Prerequisite: Algebra 1 or Intermediate Algebra

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 exploration and on formulating and defending conjectures. This course is designed to prepare students for further mathematical study in Algebra 2.

Geometry Honors

Prerequisite: Algebra 1 Honors

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 exploration and on formulating and defending conjectures. At the honors level, students are also expected to construct formal proofs of geometric principles. This course is designed to prepare students for further mathematical study in Algebra 2 Honors.

Algebra 2

Prerequisites: Algebra 1, Geometry

Algebra 2 contains an in-depth study of functions, patterns, relations, and concepts of number systems. This includes linear, quadratic, exponential, absolute value, and radical functions. A graphic calculator is required for instruction and assessment.

Algebra 2 Honors

Prerequisites: Algebra 1, Geometry

Algebra 2 contains an in-depth study of functions, patterns, relations, and concepts of number systems. This includes linear, quadratic, exponential, absolute value, and radical functions. This honors-level course also

includes a study of logarithmic and polynomial functions. A graphic calculator is required for instruction and assessment. This course prepares students for further mathematical study in Pre-Calculus Honors.

Algebra 3

Prerequisite: Algebra 2

This course is designed as a bridge between Algebra 2 and Pre-Calculus Honors. It focuses on developing the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course includes a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. Students are expected to use technology, including graphic calculators and data-gathering equipment throughout the course.

Pre-Calculus Honors

Prerequisite: Algebra 2 Honors

This course focuses on the development of students' abilities to understand and apply the study of functions and advanced mathematical concepts to solve problems. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions. Other topics are sequences, series, vectors, conic sections, parametric equations, and polar course. Emphasis is on activities, participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is designed to prepare students for further mathematical study in either Calculus Honors or AP Calculus.

Probability and Statistics

Prerequisite: Geometry

Students will learn how to gather, organize, and analyze data. Topics include the foundations of data analysis, univariate data displays, applications of measures of central tendency and variation, basic probability concepts and applications, probability distributions, bivariate data and scatter plots, and project design. Statistical applications are studied using graphing calculators and computer programs.

Probability and Statistics Honors

Prerequisite: Algebra 2 Honors

This course is an introduction to probability theory and mathematical statistics that emphasizes the probabilistic foundations required to understand probability models and statistical methods. Topics covered will include the probability axioms, basic combinatorics, discrete and continuous random variables, probability distributions, mathematical expectation, common families of probability distributions, and the central limit theorem.

Calculus Honors

Prerequisite: Pre-Calculus Honors

In this semester-long course, students will be introduced to the fundamental concepts of Calculus, including limits, derivatives, rate of change, applications of basic differentiation, and basic integration. This course is intended to prepare students who plan to pursue a college major in a field other than mathematics for introductory mathematical study at the college level. *This class is the first semester for those wishing to take the AP Calculus AB course.*

AP Calculus AB




Prerequisite: Calculus Honors and AP Application

Note: If the student scores below a 77 in Calculus Honors, this course is not recommended.

This course follows the curriculum prescribed by the College Board and is intended for students who have a

sophisticated knowledge of mathematics. Topics covered include function, graphs, limits, derivatives and their uses, and integration. Topics will be addressed through the use of technology as well as analytically, numerically, verbally, and graphically. A TI-89 calculator is strongly recommended. **Students required to take the AP Calculus - AB examination.**

AP Calculus - BC 

Prerequisite: AP Calculus AB and AP Application.

This course follows the curriculum prescribed by the College Board and is intended for students who have a sophisticated knowledge of mathematics and who desire a more in-depth understanding of the mathematical concepts covered in AP Calculus - AB. Students in AP Calculus - BC will also explore several more advanced mathematical concepts unique to this course. Topics will be addressed through the use of technology as well as analytically, numerically, verbally, and graphically. A TI-89 calculator is strongly recommended. **Students are required take the AP Calculus - BC examination.**

AP Statistics (YEARLONG) 

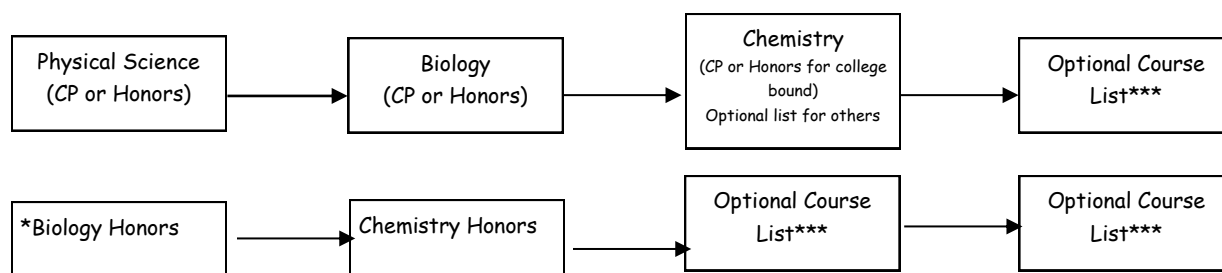
Prerequisite: Algebra 2 Honors, Probability & Statistics Honors, and AP Application.

Note: If the student scores below a 77 in Probability and Statistics Honors, this course is NOT recommended.

The topics covered in this college-level course are divided into four major themes: exploratory analysis, planning study, probability, and statistical inference. Throughout the course, students will learn to develop plans, collect, and analyze data from a variety of sources using a number of mathematical models. Students will use TI-84 calculators as a technological supplement for this course. **Students are required to take the AP Statistics examination at the end of the course.**

Science

Flow Chart:



*Student who completes *Geometry* in Middle School will start in Biology Honors in 9th grade. All students must complete 3 units of Science for graduation.

*****Optional Science Courses**

- AP Biology
- Anatomy and Physiology Honors
- Physics Honors
- Marine Science (CP & Honors)
- Forensics (CP & Honors)
- Environmental Science

***Students planning to attend a four-year college or university are required to complete three units of **laboratory** science, two of which should be Biology, Chemistry or Physics, and 1 other lab science. The third unit should be one for which Biology and/or Chemistry is a prerequisite. Physical Science is NOT a lab science.

PHYSICAL SCIENCE (CP & HONORS)

Pre/Co-requisites: Placement is primarily based on prior academic performance. Algebra 1 or Intermediate Algebra are recommended for CP and required for Honors.

This course introduces students to the fundamental concepts of physics and chemistry. Through an introduction of basic science concepts, mathematics, vocabulary, research, and laboratory skills and techniques, this course is designed to prepare students for further scientific education and is a prerequisite for Biology 1. At the honors level, emphasis is placed on higher-order thinking and scientific research.

BIOLOGY 1 (CP & HONORS)

Prerequisite: Physical Science for CP students.

Honors Prerequisite: Placement is primarily based on prior academic performance.

This course is an introduction to the life sciences, which includes an intensive study of ecosystems, biomes, cellular organization, heredity, classification of organisms, and human systems. Students are expected to utilize higher-order thinking skills when analyzing information both inside and outside of the classroom. At the honors-level, this also requires students to participate in more in-depth study and analysis of scientific concepts and laboratory data. *Students in both levels take the SC End-of-Course Exam for Biology 1 at the end of this course.*

CHEMISTRY (CP & HONORS)

Prerequisites for Chem. CP: Algebra 1 or Intermediate Algebra and Biology

Honors: Prerequisite: Biology Honors **AND Prerequisite or Co-requisite:** Algebra 2 Honors

This course is designed to provide students with an introduction to the study of chemical science. Major topics include a study of the structure and organization of matter, chemical bonding, chemical equilibrium, chemical reactions, and environmental effects. At the honors level, emphasis is placed on higher-order thinking and scientific research.

ENVIRONMENTAL SCIENCE (CP & HONORS)

Prerequisites: Biology for CP, Biology and Chemistry for Honors

This course is a scientific interdisciplinary approach to studying the natural environment, as well as the effects of man's interventions through the years to alter his environment. 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. Students will learn field study techniques, sampling procedures, and species identification.

ANATOMY & PHYSIOLOGY (HONORS)

Prerequisite: Biology 1 Honors

Designed for students with an interest in medicine or a medical-related field this anatomy includes a study of the structure of the body systems; physiology is the study of the biological, chemical, and physical processes of those structures and systems. An introduction to medical terminology and dissection are included in this course. Students will be required to participate in lab exercises that will include dissection of a mammal.

MARINE SCIENCE (CP & HONORS)

Prerequisite: Biology for CP; Biology H & Chemistry H for Honors

In this course, students will develop an appreciation of the coastal areas of South Carolina through investigation of the physical and biological processes occurring there. Topics covered include topography, ocean physics, ocean chemistry, waves, tides, and ecology. Students will also practice research techniques, collect and interpret data, and present findings. Field studies are also a critical part of this course's curriculum. At the honors level, emphasis is placed on higher-order thinking and scientific research.

PHYSICS (HONORS)

Prerequisite: Biology

Pre or Co-requisite: Algebra II

In this course, students expand their knowledge of a number of scientific topics, including electricity, mechanics, wave propagation, the nature of matter, and thermodynamics. Laboratory experience in this course will draw heavily on students' mathematical knowledge. As this is an honors level course, additional emphasis is placed on higher-order thinking and scientific research as parts of the scientific method.

FORENSIC SCIENCE (CP & HONORS)

Prerequisites: Biology

Honors Prerequisites: Biology Honors & Chemistry Honors

This course follows the standards created by the American Academy of Forensic Science. Topics include but are not limited to: history of forensic science, crime scenes, physical evidence, DNA analysis, fingerprints, questioned documents, hair and fiber evidence, and arson. Emphasis will be placed on developing an understanding of relevant scientific concepts through various methods such as the use of case studies, notes and in-class activities. At the honors level, emphasis is placed on higher-order thinking and scientific research.

AP BIOLOGY (YEARLONG)



Prerequisites: Biology 1 Honors, Chemistry Honors, and AP Application.

Note: If the student scores below a 77 the first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course follows the curriculum prescribed by the College Board and is designed to be the equivalent of an introductory-level college Biology course. The three major areas of study include molecules and cells, heredity and evolution, and organisms and populations. An emphasis will be placed on conducting and interpreting laboratory experiments to collect and analyze biological data. **Students are required to take the AP Biology examination in May.**

AP PHYSICS* (PHYSICS HONORS IN THE FALL BEFORE AP PHYSICS)



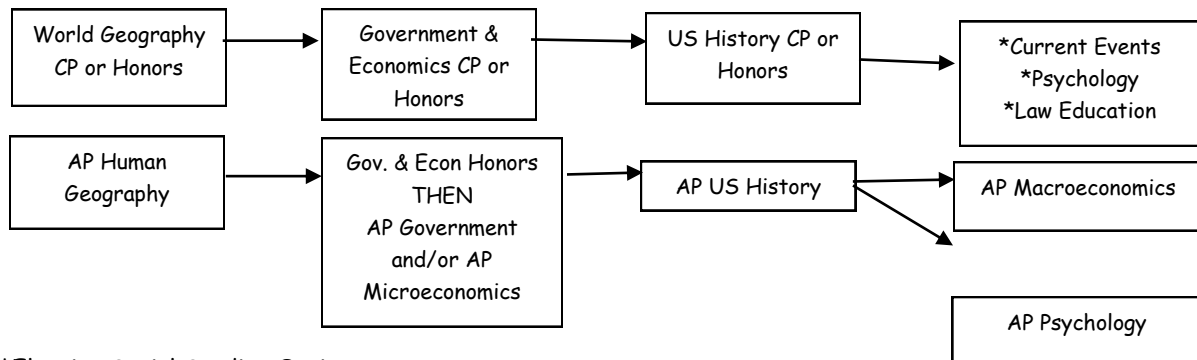
Prerequisites: Physics Honors, Geometry, Algebra 2 (Algebra 2 may be taken as a co-requisite), and AP Application.

Note: If the student scores below a 77 the first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. **Students take the AP Physics examination in May.**

Social Studies

Flow Chart:



*Elective Social Studies Options

All students must complete three units of Social Studies for graduation. Two of these must be US History and Government/Economics

Civics

This course is the study of the theoretical, political, and practical aspects of citizenship, as well as its rights and duties; the duties of citizens to each other as members of a political body and to the government. Emphasis is placed on connecting the concepts studied in class to real-world, current events. This course also aims to build the social studies vocabulary in preparation for required social studies courses.

World Geography

World Geography is the study of the physical systems on earth and the interactions between humans and their physical environments. This course implements a regional and thematic approach, wherein students explore a specific geographic theme in the context of one of the world's major geographic regions. Emphasis is placed on connecting the concepts studied in class to real-world, current events.

World Geography Honors

Prerequisite: B+ or better in 8th grade social studies

World Geography is the study of the physical systems on earth and the interactions between humans and their physical environments. This course implements a regional and thematic approach, wherein students explore a specific geographic theme in the context of one of the world's major geographic regions. Emphasis is placed on connecting the concepts studied in class to real-world, current events. At the honors level, students are expected to perform at higher levels of understanding and analysis, as the topics in the class are explored in greater depth and the assignments are of a more rigorous nature.

Government and Economics (1/2 credit each)

Note: This course meets the SC requirements for Government and Economics credits.

Prerequisite: World Geography or Civics

In Government, students examine the history, operation, and roles of the major American political institutions. In addition to studying the three branches of the federal government, students also investigate the role of political parties, interest groups, and the media in shaping the American political landscape. Emphasis is also placed on participation in the political process as a right and responsibility. Economics instruction focuses on the key concepts of both microeconomics and macroeconomics. There is also a strong emphasis on personal financial literacy.

Government and Economics Honors (1/2 credit each)

Note: This course meets the SC requirements for Government and Economics credits.

Prerequisite: World Geography

In Government, students examine the history, operation, and roles of the major American political institutions. In addition to studying the three branches of the federal government, students also investigate the role of political parties, interest groups, and the media in shaping the American political landscape. Emphasis is also placed on participation in the political process as a right and responsibility. Economics instruction focuses on the key concepts of both microeconomics and macroeconomics. There is also a strong emphasis on personal financial literacy. At the honors level, students are expected to perform at higher levels of understanding, analysis, and application. Students will complete rigorous reading, projects, and assignments.

US History and Constitution

Prerequisites: Government and Economics

In this course, students will investigate the full range of American history, from the colonial period to modern times. Emphasis will be placed on developing the factual knowledge and historical reasoning necessary to analyze and interpret a number of historical sources, including primary and secondary documents. The course will also focus heavily on the Constitutional foundations and development of the American government. *Students take the SC End-of-Course Exam at the end of this course.*

US History and Constitution Honors

Prerequisites: Government and Economics Honors

In this Honors course, advanced students will investigate the full range of American history, from the colonial period to modern times. Emphasis will be placed on developing the factual knowledge and historical reasoning necessary to analyze and interpret a number of historical sources, including primary and secondary documents, writing Document Based Questions, and higher thinking applications. The course will also focus heavily on the Constitutional foundations and development of the American government. This course is required for graduation. *Students take the SC End-of-Course Exam for United States History and Constitution at the end of this course.*

Psychology

This course is designed to provide students with a general overview of the science of Psychology, which involves a scientific study of mental functions and behaviors. Ultimately, this course will provide students with a better understanding of themselves and others in everyday situation. Major areas of study include sensory systems, memory, cognition, and behavior.

AP Human Geography (YEARLONG)



Prerequisite: B+ or better in 8th grade Honors Social Studies course and AP Application.

This course follows the curriculum prescribed by the College Board and is designed to introduce highly motivated students to the systematic study of the pattern and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ geographic themes to examine human social organization and its environmental consequences. They learn about the methods and tools geographers use in their science. *Students are required to take the AP Human Geography Exam.*

AP U.S. Government and Politics



Prerequisite: Passing score in AP Human Geography, Government and Economics Honors, and AP Application.

This course presents an analytical perspective on government and politics in the United States. Its goals are to help students develop a critical understanding of the strengths and weaknesses of the American political system and recognize their rights and responsibilities as citizens. To achieve these objectives, the course will include both the study of general concepts used to interpret U.S. politics and 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 are required to take the AP U.S. Government and Politics exam.***

AP Microeconomics



Prerequisite: Passing score in AP Human Geography, Government and Economics Honors, and AP Application.

This course is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. ***Students are required to take the AP Microeconomics exam.***

AP U.S. History (YEARLONG)



Prerequisites: Passing score in AP Government or Microeconomics and AP Application.

This course follows the curriculum prescribed by the College Board. It is an intensive study of the United States History, which includes critical analyses, historical interpretation, and extensive reading. Specific emphasis is placed on the social, economic, and political trends that have defined the history of the United States in domestic and foreign affairs. There is also a strong emphasis on document analysis and historical writing. ***Students are required to take the AP US History exam and the SC End-of-Course Exam for United States History and Constitution at the end of this course.***

AP Psychology



Prerequisite: AP Application.

This course will introduce students to the study of behavior and mental processes in human beings and other animals. Students will be exposed to the facts, principles, and phenomena associated with each of the major subfields of psychology. They will also learn about the ethics and methods psychologists use in their practice. ***Students are required to take the AP Psychology examination.***

AP Macroeconomics



Prerequisite: AP Application

This course is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. ***Students are required to take the AP Macroeconomics exam.***

Law Education

Prerequisite: None

Law Education is an introduction to personal and practical law. It is designed to help students understand how the law works in their lives, how the law strives to promote fairness, and how it applies to individual rights. Students will examine court cases and apply to United States History events and scenarios.

Current Events

Prerequisite: Government and Economics or US History. Grade Level: 11-12

Study today's world from a global perspective. Students will survey various political, economic, and social relationships that exist in the world. The students will analyze current events as they relate to today's teenagers.

World Language

Spanish 1

This foundation course provides instruction and intensive practice through listening, speaking, reading and writing basic conversational Spanish. A variety of language topics, ranging from greeting to shopping, are explored. Cultural instruction is provided in conjunction with appropriate language contexts.

Spanish 2

Prerequisite: Spanish 1

Recommended prerequisite grade: 77 in Spanish 1

The second Spanish course provides instruction and practice through listening, speaking, reading, and writing basic conversational Spanish. Grammatical instruction includes expressing oneself in present, near, and future tenses. A variety of practical language topics from travel to leisure activities is explored.

Spanish 3 Honors

Prerequisites: Spanish 2

Recommended prerequisite grade: 85 in Spanish 2

The third honors-level course reinforces the skills practiced in the second course and continues the study of reading, writing, speaking, and listening in the target language at the intermediate low-mid level. Students study the culture of the Spanish speaking countries. They express themselves in the present and past tenses, as well as learn the conditional and future verb tenses. Students will also be introduced to the subjunctive mood and obtain more advanced skills. Students will be expected to work collaboratively and independently.

Spanish 4 Honors - Fall only

Prerequisites: Spanish 3 Honors

Recommended prerequisite grade: 85 in Spanish 3H

This course reinforces the skills and continues the study of reading, writing, speaking, and listening in the target language at the Intermediate mid-high level. Students study the culture of the Spanish speaking countries and focus on global issues and themes at the Pre-AP level. They express themselves in all verb tenses with more instructional focus on review of grammar skills and the subjunctive mood. Considerable time is spent on reading literature and articles, listening to broadcasts and podcasts, discussion, and expressing and supporting arguments in the target language. Students will be expected to work collaboratively and independently. Spanish 4 Honors is offered as a prerequisite course leading to the AP Spanish semester, but can be taken separately for credit.

AP Spanish Language and Culture - Spring only



Prerequisite: Spanish 4 Honors and AP Application.

Note: If the student fails the first semester of this course, it is recommended that a conference be held with the student, parent, and teacher in order to continue into the second semester.

This course follows the curriculum prescribed by the College Board and is intended to provide students with an intensive foreign language learning experience. Students will learn by immersion, requiring the exclusive use of Spanish in the classroom. A wide variety of authentic materials will be used in order to achieve mastery in listening and in reading. The student will have ample opportunities to practice and develop formal and informal registers of speaking and writing using universal themes, cultural situations, and varied discourses and settings, with the ultimate goal of preparing students to speak and write about issues of cultural and global importance in the Spanish speaking world. A diagnostic test as a means of determining students' strengths and areas of weakness will be administered within the first two weeks of the school year in order to customize instruction. **Students are required to take the AP Spanish Language examination.**

Fine Arts

Music Appreciation

This course is primarily a survey of the Western music from the end of the Roman Empire to the present. The course focuses on a select group of great compositions and composers and is designed to be an enjoyable introduction to the world of music.

AP Music Theory (Yearlong)



Prerequisite: Must be able to read and write musical notation with basic performance skills in voice or on an instrument.

Note: If the student fails the first semester of this course, it is recommended that a conference be held with the student, parent, and guidance counselor in order to continue into the second semester.

A major component of any college curriculum in music is a course introducing the first-year student to music theory, a subject that comprises the musical materials and procedures of the Common Practice period. Such a course may bear a variety of titles (Basic Musicianship, Elementary Theory, Harmony and Dictation, Structure of Music, etc). It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course, although they may be taught as separate classes. **Students are required to take the AP Music Theory examination.**

Art 1: Foundations of Visual Art

Note: This course is a prerequisite for all higher-level visual art classes.

History, politics, society, religion, and technology are all influences that change artistic expression. This course explores these influences as well as media and art elements which artists use. Students learn terminology and basic styles, including technical elements to observe in all works of art. Activities include color mixing, color theory, basic drawing and painting methods. Students keep a sketch book and begin digital portfolio of their major projects.

Art 2: Principals of Visual Art Design

Prerequisite: Art 1

Students will refine their understanding of the elements and principles of design through visual, verbal and written evaluations. They will produce artwork in a wide range of media and techniques and further their understanding of art history.

Art 3 Honors: Drawing, Painting and Printmaking

Prerequisite: Art 2

Students will concentrate on producing a portfolio of artworks showcasing their abilities with different media, styles, and subjects. Students will study specific artists, continue to discuss artworks and plan for the role art will play in their lives.

Art: 3D Design

This Art course deals with Art in its 3-Dimensional form. The emphasis in 3D Art is to explore your creativity and to think outside the box. A variety of mediums will be explored, which may include textiles, ceramics, wire sculpture, paper mache' and more! Students will participate in a wide range of experiences using additive or subtractive sculptural techniques designed to build artistic and creative confidence. An appreciation for Art from various cultures will be developed. Projects are designed to teach thinking skills and to include useful Art experiences such as color theory, so that no matter what vocation students pursue, the knowledge gained in this class will be of value to them.

Ceramics 1 (Pottery)

Prerequisites: Art 1

This is an introductory course in the basic techniques of creating pottery and other small-scale ceramic sculptures. Students will become familiar with clay and its many uses in form, function, and design. The course will also introduce students to the principles of ceramics, including the processes of hand building, glazing, and firing. Art history, with a focus on three-dimensional works, is also studied. Written tests, quizzes, a production journal, and a portfolio are required in this class

Art 4 Honors & AP Studio AP Art: 2D Design (Yearlong)

Prerequisite: Art 3 Honors & AP Application



Note: If the student fails the first semester of this course, it is recommended that a conference be held with the student, parent, and guidance counselor in order to continue into the second semester.

In this course students will develop mastery in concept, composition and execution of 2D design. Students will learn a variety of concepts and approaches and learn to demonstrate a range of abilities and versatility with technique, problem-solving and ideation. The course will include group and individual student critiques and instructional conversations. Students will be required to create a portfolio that demonstrates Quality, Concentration and Breadth which will be submitted to the College Board for evaluation. **Students are required to take the AP Studio Art examination.**

Art Photography 1

Prerequisites: Art 1

This course introduces students to contemporary media as an extension of the creative experience. Covered in this course are aesthetics, art criticism, art history, art making, media literacy and art expression. The course emphasizes the elements and principles of design in a manner that engages students. Students will learn how to take well composed photographs using digital cameras. Students will also be introduced to special editing software like Photoshop.

Art Photography 2

Prerequisites: Art Photography 1

This course allows students to build on the skills learned in Art Photography 1.

Theatre 1

This is an introductory course designed for students with little or no theater experience that lays the foundation for future work in the theatre. Class work focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Theatre 1 provides opportunities to develop skills in critical listening and thinking, as well as stage presence, ensemble work, and aesthetic awareness culminating in periodic performances.

Theatre 2

Prerequisite: Theatre 1

Students study the practical and theoretical aspects of the theatre. The practical phase involves training in the fundamentals of voice production, body movement, characterization, playwriting, advanced improvisation, advanced scene work, and acting techniques. The course will enable students to study the history of theatre and participate in performances representative of various periods and style of this art form.

Theatre 3

Prerequisites: Theatre 2

This course offers intensive exercises in concentration, movement, voice, imagination, and emotional recall. It also includes close examination of acting techniques for practical application of the craft through in-class productions. In keeping with the rigor expected in an accelerated setting, students will assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time.

Musical Theatre

This course will introduce students to the techniques used by actors/singers to play musical theater scenes believably, honestly and dynamically. Basic acting techniques will be taught as well as work in singing, text analysis, movement and speech.

Technical Theatre Arts

This course gives students the opportunity to learn advanced stage lighting techniques, sound production, stage and set design, set construction, stage properties, fly system rigging, workshop safety, etc.

Show Choir*

Prerequisites: Audition and Director Approval

This select group offers the show choir experience by combining vocal excellence with the visual aspects of choreography. The music performed will include pop and Broadway show tunes. This course will offer ensemble singing, solo opportunities, small ensemble singing, dance, sight-reading and theory studies. This course is designed to advance students in vocal technique, performance skills and vocal music repertoire. A number of extra performances may be available outside the regular school day. Participation is required at all rehearsals and performances.

Chorus 1, 2, 3, 4, 5, 6, 7, & 8

The Myrtle Beach Chorus is a non-audition choir for students of varying degrees of musical experience.

Students study choral literature of all musical styles while developing good vocal technique, music reading ability, and other skills necessary to become an independent musician. The chorus performs a number of concerts throughout the school year and will participate in choral festivals.

Instrumental Music: Piano 1

This class is designed to allow students the opportunity to develop basic piano techniques, music reading skills, and knowledge of music theory. In addition to learning a varied repertoire of music literature, students will also study and practice scales, arpeggios, etudes, and a wide variety of essential piano-playing skills.

Instrumental Music: Piano 2-5

Prerequisites: Piano 1 or by audition and teacher approval

This course is designed as a continuation of the basic skills and concepts started in Piano 1. Students will expand upon the techniques, music reading skills, and music theory and will perform music which is more challenging and requires an advanced understanding of piano performance. A recital performance at the end of the semester is part of the requirements for this course.

Beginning Band 1

Designed for students who have never participated in Band but have a desire to learn music and become a part of the band program. Emphasis is on learning tone production, major scales, sight-reading, rhythmic comprehension, and technical facility on the student's primary instrument.

Instrumental Music Band (Band 1, 2, 3, and 4)

Symphonic Band allows students to continue honing their instrumental abilities through preparation for formal music concerts and festivals during the spring semester. Emphasis is on improving tone production, major scales, sight-reading, rhythmic comprehension and performance, and maturing technical facility on the student's primary instrument. As student's progress, focus shifts to the development of more advanced skills. Students are required to participate in limited after-school rehearsals and additional performances.

Orchestra/Strings 1, 2, 3, 4, 5, 6, 7, & 8

Prerequisites: Approval of Orchestra Teacher

High school orchestra is an advanced instrumental ensemble that includes violin, viola, cello, and string bass. In this course students acquire advanced techniques on their primary instrument. As student's progress through these courses, greater emphasis is placed on more advanced techniques and musical selections. Winter and spring concerts are presented each year in addition to festival performances and participation in the HCS All-County Orchestra. Orchestra is a performance oriented class which means students are required to participate in concerts outside of school unless pre-approved by an administrator.

Media Arts 1, 2, 3, & 4 (Formerly Yearbook Production)*

Prerequisite: Application and Advisor approval

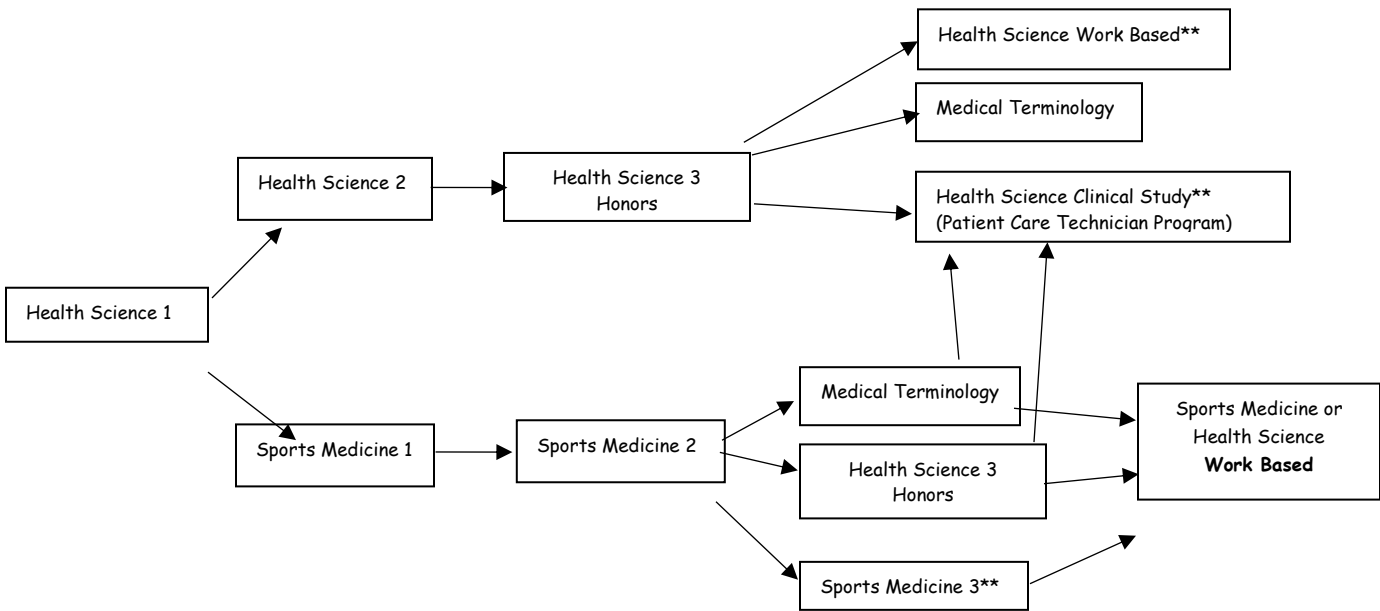
Students learn the elements of yearbook layout, including text writing, photography, computer-generated design, and production scheduling. Students will work in class to develop and produce the school's annual yearbook. Students are also responsible for raising funds to publish the annual by selling advertisements.

Career and Technical Education (CATE)

Foundations in Computing or Fundamentals of Web Page Design and Development are CATE courses that meet the Computer Education Requirement for Graduation.

There are 4 Pathways for Completion: Health Science/Sports Medicine, Web and Digital Design, Business Management and Accounting, and Project Lead the Way (Engineering).

Health Science /Sports Medicine



**These courses require instructor approval, application and interview for enrollment

It is recommended by the SDE that students receive a 75% or higher in each class in order to move on in the sequence.

Health Science Major requires both Health Science 1, Health Science 2 and EITHER Health Science 3 OR Medical Terminology

Sports Medicine Major requires both Sports Medicine 1 and Sports Medicine 2 and EITHER Health Science 3 OR Sports Medicine 3 OR Medical Terminology

Health Science Work Based or Sports Medicine Work Based can only be taken as a 4th course in each major.

Health Science 1

During this first health science 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 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. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses.

Health Science 2

Prerequisites: Health Science 1 with a 75 or better

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 about the stages of life and **Maslow's Hierarchy** of needs. Students will learn how law and ethics are **applied** in the healthcare setting. This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will be certified in **First Aid and CPR** in this course.

Health Science 3- Honors

Prerequisites: Health Science 2 OR Sports Medicine 2 (either with a score of 75 or higher) and Teacher Recommendation

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.

Sports Medicine 1

Prerequisite: Health Science 1 with a 75 or better

Co-requisite: Biology

Sports Medicine 1 emphasizes sports medicine **career exploration** and the **prevention** of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concept. Students will be expected to participate in clinical observations of the Athletic Training room at MBHS or another sports medicine facility.

Sports Medicine 2

Prerequisites: Sports Medicine 1 with a 75 or better, Teacher recommendation

This course emphasizes the assessment and rehabilitation of athletic injuries. Subject matter will include discussion of specific condition and injuries that may be experienced by individuals participating in athletic activities. In addition, the use of appropriate therapeutic modalities and exercise in the care and rehabilitation of injuries will be examined. Advanced concepts related to the administrative aspects of the sports medicine program will also be covered in this course.

Sports Medicine 3

Prerequisite: Sports Medicine 2 with a 75 or higher, application and teacher recommendation

Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine course work to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence based practices affecting the practice of Sports Medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, as well as explore detailed treatment and rehabilitation procedures for common athletic injuries. Students are expected to participate in clinical situations either at school with their athletic department or in an outside clinical setting for real world experience.

Medical Terminology

Prerequisites: Health Science 3 OR Sports Medicine 2

This course is designed to develop in the students a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. Utilizing a body systems approach, the student will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Common abbreviations applicable to each system will be interpreted. Knowledge of medical terminology enhances a student's ability to successfully secure employment or pursue advanced education in health science. Successful completion of Medical Terminology with a B or higher allows students to be eligible to bypass a similar course offered at HGTC.

Health Science Work Based

Grade Level: 12

Prerequisite: Any 3 Health Science classes and students must complete application. Space is limited.

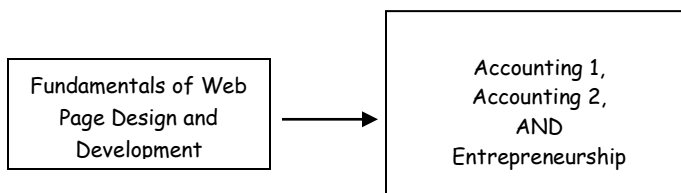
This course includes education experiences that primarily occur outside the classroom in cooperation with high school athletic departments and business partners. Work Based Learning is defined as a coherent sequence of career awareness, exploration, job training, and experience activities that are coordinated with school-based learning activities. Students get the opportunity to shadow healthcare professionals in multiple facilities. This class is a double block spring semester.

Sports Medicine Work Based

Prerequisite: Sports Medicine 2 and Teacher recommendation. Space is limited.

This course is considered a comprehensive course because the student experiences provide both a broad exposure to health careers and the foundational skills of a multi-skilled healthcare worker. Career shadowing, field trips, and guest speakers should be integral components of this classroom instructional arrangement. Students should master the essential knowledge and skills of these foundation courses before enrolling in any work-based instructional class.

General Management and Accounting



In order to be a General Management major, students must have Accounting 1 AND Entrepreneurship PLUS one of the following - Fundamentals of Web Page Design, IBA 1 or Social Media in Business.

In order to be an Accounting major, students must have Accounting 1 AND Accounting 2 PLUS one of the following - Entrepreneurship or IBA 1

Fundamentals of Webpage Design and Development

Note: This course meets the computer science requirement for a South Carolina high school diploma

This course will guide students in the development of a websites in a project-based, problem solving environment. Students will learn the industry standard languages, HTML and CSS, which are used in every website on the web today. Students will learn how to create a portfolio of content rich, well-styled websites. Successful completion of this course will prepare students for industry certifications.

Entrepreneurship

Note: This course is a requirement for the General Management major

This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of traditional and non-traditional marketing strategies, technology, staffing, and financial considerations.

Accounting 1

Note: This course is a requirement for the General Management and Accounting majors

This course is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Use of the computer in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures.

Accounting 2

Prerequisite: Accounting 1

Note: This course is a requirement for the Accounting Major.

This course expands on the students understanding of accounting subsystems and develops and understanding of various methods of internal control procedures. The student develops competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of-period procedures. The students will demonstrate the use of accounting principles through the use of computer software and simulated activities.

Web and Digital Communication

Students must have both Fundamentals of Web Page Design and Development AND Advanced Web Page Design and Development PLUS 1 of the following 4 courses:

- Fundamentals of Computing
- IBA 1
- Social Media Marketing
- Entrepreneurship

Fundamentals of Webpage Design and Development

Note: This course meets the computer science requirement for a South Carolina high school diploma

Note: This course is a requirement for the web and digital communication major.

This course will guide students in the development of a websites in a project-based, problem solving environment. Students will learn the industry standard languages, HTML and CSS, which are used in every website on the web today. Students will learn how to create a portfolio of content rich, well-styled websites. Successful completion of this course will prepare students for industry certifications.

Advanced Webpage Design and Development

Prerequisite: Fundamentals of Webpage Design and Development

Note: This course is a requirement for the web and digital communication major.

This advanced course is designed to provide students with the knowledge and skills necessary to pursue careers in web design and development. Students will develop an in-depth understanding and use of HTML, CSS, JavaScript, layout techniques, and other industry-standard practices. In addition, students will learn scripting technologies to create dynamic and interactive websites. Students will maintain professional quality portfolios of web design work. Successful completion of this course will prepare students for industry certification.

Foundations of Computing

Note: This course meets the computer science requirement for a South Carolina high school diploma.

This course is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand the tools and languages that might be used to solve particular problems. The goal of Exploring Computer Science is to develop problem solving and critical thinking skills within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

Integrated Business Applications 1

This course is designed to build students' knowledge of the software applications that are necessary to live and work in a technological society. These include word processing, database, spreadsheet, and presentation software from the Microsoft Office 2007 Suite. This course will help students succeed in their high school and college courses and in the workplace. Students will create publications such as calendars, brochures, presentations, spreadsheets, and letters, and will complete a research project that will help allow them to develop an effective resume and cover letter.

Social Media Marketing

Prerequisite: At least one previous business course (Accounting 1 or Entrepreneurship)

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 in order to educate and connect with customers, promote and sell products and services, and develop new business.

Project Lead the Way (PLTW)

Students become tomorrow's problem solvers today. From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

Introduction to Engineering Design

Prerequisite:

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing product.

Principles of Engineering

Prerequisite: Introduction to Engineering Design

Students explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car.

Computer Science Principles

Prerequisite: Introduction to Engineering Design & Algebra 1

Using Python® as a primary tool, students develop computational-thinking skills and tackle challenges like designing apps to solve real-world problems for clients.

Physical Education

Students may get credit for a TOTAL of 4 physical education classes while in high school.

Physical Education 1: Personal Fitness and Health

Note: This course meets the physical education and comprehensive health requirements for a South Carolina high school diploma.

Physical Education 1 involves sports-based condition and classroom activities pertaining to personal fitness. Emphasis will be placed on building good personal fitness habits and a healthy lifestyle. The health curriculum includes, but is not limited to, personal fitness, drug, tobacco, alcohol, sex education, mental and emotional health, and healthy relationships.

Physical Education 2

Prerequisites: PE 1

Students enrolled in Physical Education 2 will use previously learned skills to perform in sports-related activities at an advanced level. Participation in individual and team sports will be emphasized. Students will be exposed to a variety of conditioning practices that will develop their athletic ability, as well as create healthy practices for a lifetime of wellness. Students learn the benefits of weight training and its effects on the body and psyche. Students will learn to identify basic muscle groups and understand how proper weight training influences those muscles. All students will be able to lift safely and use proper lifting and spotting techniques. They will also develop an understanding of the importance of weight lifting as a lifetime fitness activity.

Physical Education 3

Prerequisites: PE 2

Students use previously learned skills and knowledge to perform advanced lifting moves. Individual data is kept to chart muscular growth and personal development. Drills are included for improving agility, endurance, and flexibility. Individual and dual sports will also be a part of this course, and will be used as an incentive for students who meet their daily and weekly performance goals.

Physical Education 3-Leisure Sports

Prerequisites: Completion of PE 1

This course will expose students to a variety of activities which promote relaxation and encourage teamwork. Students will be exposed to archery, project adventure and fishing among others. Students should be willing to go outside of their comfort zone.

Physical Education 4

Prerequisites: PE 3

Students use skills and knowledge from P.E. 3 to perform advanced lifting moves focused on improving athletic performance in a specific sport. Individual data is kept to chart muscular growth and personal development. Drills are included for improving agility, endurance, and flexibility. Individual and dual sports will also be a part of this course, and will be used as an incentive for students who meet their daily and weekly performance goals.

Athletic PE*

Prerequisite: Coach Recommendation

Students in ALL physical education levels will work on skills that are part of team sports.

Navy Junior ROTC

The Navy Junior ROTC program at Myrtle Beach High School provides opportunities for student-cadets to learn good citizenship and practical leadership. Co-curricular activities include an Orienteering Team; Armed, Unarmed, and Exhibition Drill Teams; Color Guard; Academic Team; Air Rifle Team; Athletic Team; Military Balls, sports activities, and Navy-and career-related field trips.

The course sequence outlined below represents a four-year program, beginning in 9th grade; however, students may enter the NJROTC program at any time in their high school career. In any school year, students may take one or two NJROTC courses.

NJROTC 1

Semesters Taught: 1st only

Note 1: Meets Phys. Ed. and comprehensive health requirements for South Carolina high school diploma.

Note 2: Must be completed before enrolling into other JROTC courses, unless student is a senior and has a GPA of 2.5 (4.0 scale) or higher.

JROTC 1 includes introduction to the NJROTC program, Leadership, Citizenship and the American Government; introduction to Wellness, Fitness, and First Aid to include diet, exercise and drug awareness, introduction to Geography, Orienteering, Survival and Map Reading Skills; Financial Skills and introduction to the U. S. Navy.

NJROTC 2

Semesters Taught: 1st only

Prerequisite: JROTC 1

JROTC 2 includes ongoing instruction in Leadership, Maritime History, including the American Revolution, Civil War, the rise of the U. S. to world power status, World Wars 1 and 2, the Cold War Era, the 1990s and Beyond; Nautical Sciences to include Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Sciences.

NJROTC 3

Semesters Taught: 1st only

Prerequisite: JROTC 1 or JROTC 2, unless student is a senior

JROTC 3 includes instruction in Sea Power and National Security, Naval Operations and Support Functions, Military Law, International Law and the Sea, Ship Construction and Damage Control, Shipboard Organization and Watch Standing, Basic Seamanship, Marine Navigation, Naval Weapons and Aircraft, and ongoing leadership, citizenship and discipline.

NJROTC 4

Semesters Taught: 1st only

Prerequisite: JROTC 1, 2 or 3, unless student is a senior

JROTC 4 includes instruction in theoretical and applied aspects of leadership, training, and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a work group, and the proper ways to set a leadership example. Students are provided access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long range life goals.

NJROTC 5: Leadership Education Training 1

Semesters Taught: 2nd only

Prerequisite: JROTC 1, unless student is new to a JROTC program

Provides more extensive training in the topics covered in JROTC 1.

NJROTC 6: Leadership Education Training 2

Semesters Taught: 2nd only

Prerequisite: JROTC 1 or ROTC Leadership Education Training 1, and JROTC 2, unless student is a senior

Provides more extensive training in the topics covered in JROTC 2.

NJROTC 7: Leadership Education Training 3

Semesters Taught: 2nd only

Prerequisite: JROTC 1 or ROTC Leadership Education Training 1, and JROTC 2 or ROTC Leadership Education Training 2, unless student is a senior

Provides more extensive training in the topics covered in JROTC 3.

NJROTC 8: Leadership Education Training 4

Semesters Taught: 2nd only

Prerequisite: JROTC 1, JROTC 2, and JROTC 3

Provides more extensive training in the topics covered in JROTC 4.

NJROTC -Drill and Ceremonies

Semesters Taught: 2nd semester and 4th block only

Prerequisite: NJROTC 1-Invitation only

This course provides drill and ceremonies training.

NJROTC -Marksmanship

Semesters Taught: 2nd semester

Prerequisite: NJROTC 1- Invitation only

This class teaches and instructs the principles of marksmanship. This class is a sport where you will compete against other ROTC teams. You will learn how to properly handle air rifles, engage targets, learn self-discipline, and extreme precision. It is an enjoyable lifetime of recreation and competition.

Other Electives & Dual-Enrollment (PACE)

SAT/ACT Preparation

Prerequisite: English 2,

Recommended prerequisite: Algebra 2

Note: This course is recommended only for students planning to attend a 4-year college or university or a 2-year technical school or junior college that requires an SAT/ACT score. Seniors are encouraged to take this course during the fall semester. Students will receive instruction in both the Math and Verbal portions of the SAT and all four portions of the ACT. This course is intended to prepare students for success on the SAT and ACT college entrance examinations. This rigorous course is designed to enhance a student's test-taking skills specific to the SAT and ACT. Through extensive practice activities and mock-tests, students will become thoroughly familiar with the structure of these two standardized exams.

Education 101

Prerequisites: Students must meet the criteria established by the South Carolina Center for Educator Recruitment, Retention, and Advancement (CERRA) for admission to the Teacher Cadet Program. This

includes a minimum 3.0 GPA and submission of three teacher recommendation forms.

Note: This is a dual credit course; Students will earn 1 unit of high school credit and 3 college hours through Coastal Carolina University

This course is designed to familiarized high school students with the role of the teacher and with the professional of teaching. Topics addressed include an overview of the teaching profession, curriculum, instruction, environment, students, resources, and trends and pressures facing educators today. Students will participate in an internship at a local elementary or middle school and must provide their own transportation.

Teacher's Aid- Welcome Committee*

Prerequisite: See Mrs. Zokoe with questions or to apply

Students must apply for this community service opportunity. Multi-lingual, upperclassmen are preferred. Students will serve as an office aide for the guidance, front office, and administrators. Students will welcome, give a tour, become a buddy, and tutor students who are new to our school. Students will decorate bulletin boards and create banners to advertise programs and celebrate our students. Other parts of the curriculum will include building leadership skills using books and online resources.

Dual-Enrollment (PACE)

Through an agreement with Horry-Georgetown Technical College (HGTC), dual-enrollment courses are available for eligible students to earn both high school and college credit. These courses will be taught at the Grand Strand campus of HGTC, and students are responsible for their own transportation.

In order to be eligible for Dual Enrollment (also called PACE) classes, students must meet application deadlines and placement testing requirements. For more information:

https://www.hgtc.edu/academics/high_school_programs/pace/

Early Release

Grade Level: 12

To be granted early release, students must meet the following criteria:

1. Classification as a senior
2. Have earned, or are scheduled to take, enough credits to graduate by the end of their senior year.

Students meeting these criteria must complete an application for early release, with the required parent permissions, and submit it to their guidance counselor.

Early Release is NOT **RECOMMENDED** for seniors planning on attending a 4-year college or university after graduation as this option could impact competitiveness for admission.

