MYRTLE BEACH HIGH SCHOOL

Curriculum Guide 2023-2024

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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:	Kristin Altman
Assistant Principals:	Monica Brisbon, Natalie Hunnell, Ansley Morrow, and Michael Rutenberg
Instructional Coach:	Lori McMahon

Revised 3/7/2023

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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 JROTC 1	Computer Science	Other Electives
4 credits	4 Credits	3 Credits	3 Credits	1 Credit	1 Credit	1 Credit	7 Credits

English 2, 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.

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 CTE 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.
https://ed.sc.gov/districts-schools/state-accountability/uniform-grading-policy/ugp-may-2019-final-pdf/

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

Diploma Pathway Project:

- One state high school diploma;
- Personalized pathways based on students' postsecondary choices; and
- Endorsements to support the Profile of the SC Graduate: Honors Endorsement, College-Ready Endorsement, Career Endorsement, and Specialization Endorsement (STEM, the Arts, Military, and World Languages).
  https://ed.sc.gov/instruction/standards-learning/diploma-pathway/diploma-pathway-memo/

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
  https://ed.sc.gov/districts-schools/state-accountability/high-school-diploma/south-carolina-academic-honors-award1/

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 aided in their selections. Recommendations for enrollment in courses are based on prior academic history, teacher recommendations, test scores, and advisement.

Guidelines for Schedule Changes

No schedule changes will be made after course selections have been made, 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 per South Carolina seat-time requirements.

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, without administrative approval, shall be assigned a letter grade of WF/50. The WF/50 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 from biology, chemistry, physics, or earth science. One additional unit with biology, chemistry, physics, or earth science as the prerequisite.

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 World Geography is strongly recommended for the third unit.

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 College Board's Advanced Placement Site.
https://apcentral.collegeboard.org/courses/ap-capstone

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.

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 Human Geography or AP Comparative Government & Politics
    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

All students must complete 4 units of English for graduation

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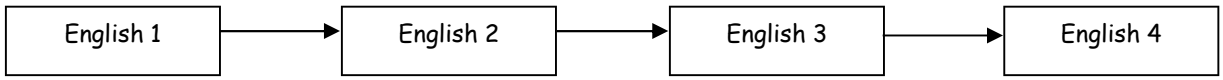
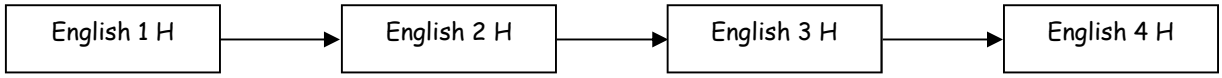
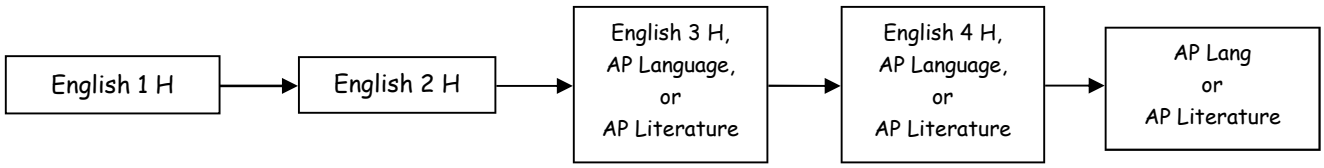






English 1 CP or Honors

Placement is primarily based on prior academic performance.

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

English 2 CP or Honors

Prerequisite: English 1 CP or Honors

The English 2 standards are covered with World Literature as the reading focus. Honors classes will require work characterized by a high degree of complexity and in-depth study. Honors classes will also require a research project. Honors students add to their portfolios to build upon the work collected in English 1. ***Students take the SC End-of-Course Exam for English 2 at the end of this course.***

English 3 CP

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 CP

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 -Advanced Composition Honors then AP English Language (YEARLONG)

Prerequisite: English 2 Honors or English 3 Honors

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 2 Honors, or English 3 Honors, or AP English Language

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: Honors English. Recommended for 10th or 11th grade students.

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 Capstone Seminar. Recommended for 11th or 12th grade students.

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.**

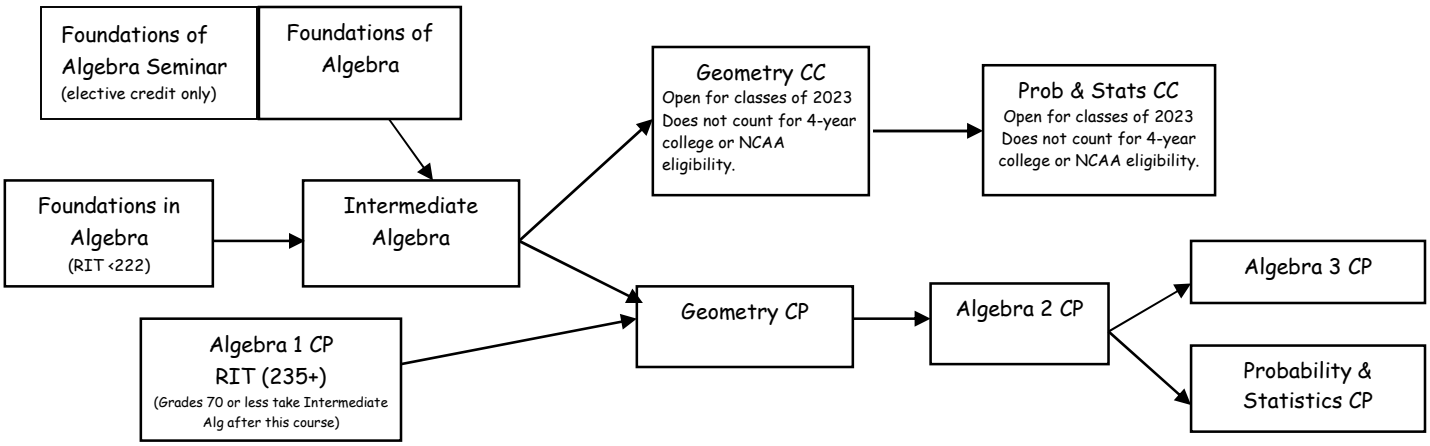
Math

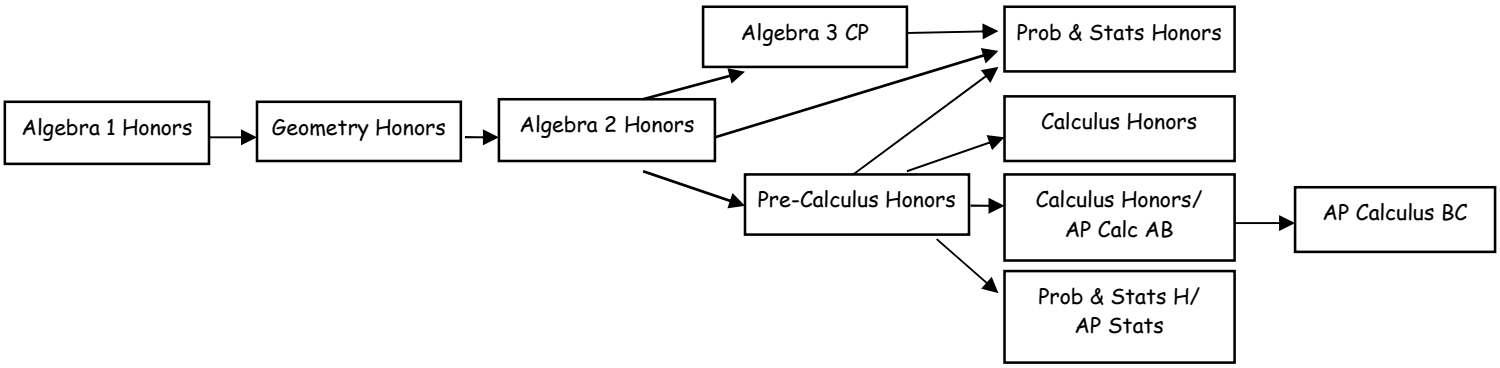
STEM ENDORSEMENT

To earn a STEM Endorsement a student must complete 4 credits beyond the required courses in math, science, and technology; at least 2 at honors level or higher; maybe in 1 area of STEM or across 4 areas.

Multiple Measures
Grades, MAP, EOCs, GPA

Flow Charts:





All students must complete four units of Mathematics for graduation.

Foundations in Algebra (yearlong)

Placement is primarily based on prior academic performance. Recommended for students with a RIT < 200 and Math 8 grade below 85. Credits: Foundations of Algebra Seminar (1 elective credit fall semester) & Foundations of Algebra (1 math credit spring semester)

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. The use of technological tools, such as hand-held graphing calculators, is important in creating and analyzing mathematical representations.

Foundations in Algebra

Placement is primarily based on prior academic performance. Recommended for students with a RIT < 222 and Math 8 grade below 85. (OR < 60 in Algebra 1).

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. The 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 SCCCR 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 SCCCR Algebra 2 and SCCCR Probability and Statistics in addition to all of the standards from SCCCR Algebra 1. ***Students take the SC End-of-Course Exam for Algebra at the end of this course.***

Algebra 1 CP or 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. Honors students will be taught in greater depth and difficulty at this level. The honors course prepares students for Honors Geometry. ***Students take the SC End-of-Course Exam for Algebra 1 at the end of this course.***

Geometry CC

Prerequisite: Intermediate Algebra

Geometry is the mathematical study of shapes, their properties, and their relationships. The course competencies meet the state geometry standards. This course focuses on preparing students for real-world and career-based geometry. Emphasis is placed on student exploration and on formulating and defending conjectures. This course is designed for students who do NOT plan on attending a 4-year college or university right after high school.

Geometry CP

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.

Probability & Statistics CC or CP

Prerequisites: for Probability & Statistics CC Geometry CC

Prerequisites: for Probability & Statistics CP is Algebra 2

South Carolina College- and Career-Ready (SCCCR) Probability and Statistics is designed to prepare students for success in post-secondary careers in a world where knowledge of data analysis, statistics, and probability is necessary to make informed decisions in areas such as health, economics, and politics. In SCCCR Probability and Statistics, students build on the conceptual knowledge and skills they mastered in previous mathematics courses in areas such as probability, data presentation and analysis, correlation, and regression. This course prepares students for college and career readiness but is not designed to prepare students for an Advanced Placement exam. 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, functions, graphs, distributions, or other mathematical representations to analyze real-world situations and answer questions. Use of technological tools is important in creating and analyzing mathematical representations used in the modeling process and should be used during instruction and assessment. Technology should not be limited to hand-held graphing calculators. Students should use a variety of technologies, such as graphing utilities, simulation applications, spreadsheets, and statistical software, to solve problems and to master standards in all Key Concepts of this course.

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 an 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.

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

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

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.***

Probability & Statistics Honors

Prerequisite: Algebra 2 Honors

Learn the fundamental principles of probability and statistics and apply these to data analysis. Topics include foundations of data analysis, univariate data displays, graphical displays, bivariate data and scatter plots, concepts and applications, probability distributions, statistical inference, hypothesis testing, and project design. Students will use graphing calculators (TI-84) and Desmos software.

AP Statistics

Prerequisite: Probability & Statistics Honors

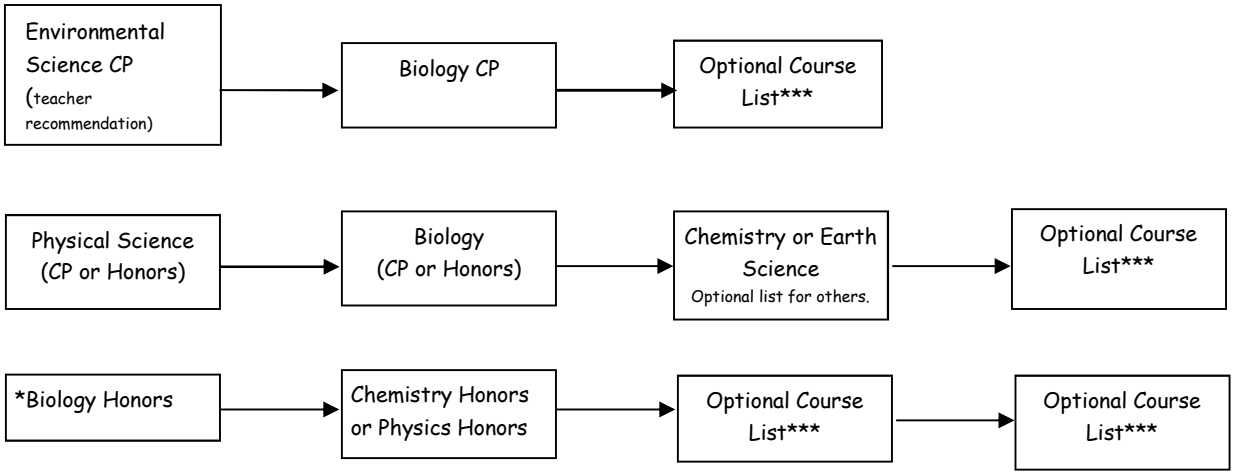
The topics covered in this college-level course are divided into four major themes: exploratory analysis, planning study, probability, and statistical inference. Throughout the course, students will learn to develop plans, collect, and analyze data from a variety of sources using a number of mathematical 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

STEM ENDORSEMENT

To earn a STEM Endorsement a student must complete 4 credits beyond required courses in math, science, and technology; at least 2 at honors level or higher; maybe in 1 area of STEM or across 4 areas.

Flow Charts:



*Students who complete 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*

Biology 2 Honors & AP Biology
Chemistry 2 Honors & AP Chemistry
Physics Honors (AND AP Physics)
Marine Science (CP & Honors)
Forensic Science (CP & Honors)
Biology 2 CP
Earth Science

***Students planning to attend a four-year college or university after high school are required to complete three units of **laboratory** science, two of which should be Biology, Chemistry, Earth Science or Physics. The third unit should be one for which Biology, Chemistry. Earth Science or Physics is a prerequisite. Physical Science is NOT a lab science, but it DOES count as a science for graduation.

ENVIRONMENTAL SCIENCE CP

Prerequisites for CP: Placement is primarily based on academic performance and teacher recommendation.

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.

PHYSICAL SCIENCE (CP & HONORS)

Prerequisites: Placement is primarily based on prior academic performance.

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: Placement is primarily based on prior academic performance

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

Prerequisite Honors: (Algebra 2 Honors *recommended* as a prerequisite or co-requisite)

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.

EARTH SCIENCE CP

Prerequisites: Biology 1

This course is designed to provide students with the skills necessary to successfully complete more advanced secondary and post-secondary science courses in the field. In this course, we will explore the Earth's history, its position in the universe, and the forces that shape the Earth's surface and our environment. It is a laboratory science course.

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 (FALL ONLY)

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.

BIOLOGY 2 CP

Prerequisites: Biology

This course includes a study of living things and their interrelationships, levels of biological organization, human biology, and social implications. Laboratory investigations reinforce the understanding of living things, their functions, and their interrelationships.

BIOLOGY 2 HONORS AND AP BIOLOGY (YEARLONG)

Prerequisites: Biology 1 Honors and Chemistry Honors

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, and Algebra 2 (Algebra 2 may be taken as a co-requisite)

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.***

AP CHEMISTRY (CHEMISTRY 2 HONORS IN THE FALL BEFORE AP CHEMISTRY)

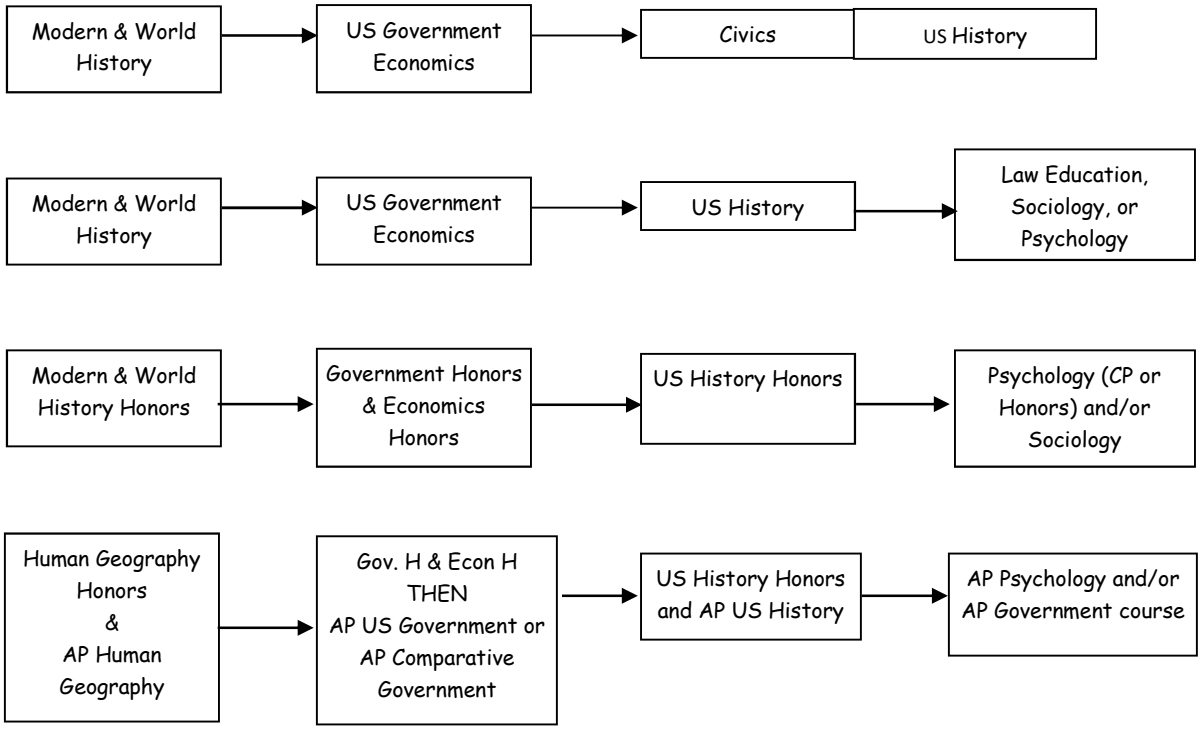
Prerequisites: Chemistry Honors and Algebra 2 Honors

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.

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of **chemistry** through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. ***Students take the AP Chemistry examination in May.***

Social Studies

Flow Charts:



All students must complete three units of Social Studies for graduation. These units must include US History (1 credit) and US Government/Economics (1/2 credit each).

Modern & World History CP or Honors

Honors Recommendation: B+ or better in 8th grade social studies for Honors

World History is the study of the history of the modern world, beginning with the period of 1300 to present. Students will begin by learning about the emergence of the Modern World from 1300–1500, global affairs and interactions (1450– 1815), the rise of the new governments and competition in the global community (1815–1918), the emergence of new world powers (1885–1950), and the world from World War II to present day (1933–present). Students will learn all Modern World History through the lens of inquiry in order to study the world that trade created, which led to the influence of interactions of various changes to culture, governments, ideas, innovation, people, religion, and revolution with an intent to create a citizen who has a global perspective.

Human Geography Honors (This course is taught BEFORE AP Human Geography as YEARLONG-2 credits)

Prerequisite: B+ or better in 8th grade Honors Social Studies course, a Lexile 1300 or greater.

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.

AP Human Geography

Prerequisite: World Geography Honors.

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.***

Government and Economics (1/2 credit each) CP or Honors

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

Recommended Prerequisite: AP Human Geography or Modern and World History Honors

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.

AP Comparative Government and Politics

Prerequisite: Government and Economics Honors

This is an introductory college-level course in comparative government and politics. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis.

AP U.S. Government and Politics

Prerequisite: Government and Economics Honors

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.***

US History and Constitution CP or Honors

Recommended Prerequisite: Human Geography or World History

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.*

AP U.S. History

Prerequisites: U.S. History Honors and a passing score in AP Government or AP Microeconomics

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.***

Law Education

Recommended Prerequisite: Modern and World History (CP or Honors) or Human Geography Honors

Law Education is an introduction to personal and practical law. It is designed to help understand how the law works in their lives, how the law strives to promote fairness, and how it applies to individual rights.

Sociology

This course is the study of social life, social change, and the social causes and consequences of human behavior. In this course students will investigate and seek to understand the structure of groups, organizations, and societies and how people interact within these contexts.

Psychology

Prerequisite: Completion of Biology 1 and Junior or Senior

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 Psychology

Prerequisite: Biology 1 Honors and Junior or Senior

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.***

World Language

WORLD LANGUAGE ENDORSEMENT

To earn a Diploma Endorsement in World Language students must: complete 4 credits in the SAME language and/or score a minimum ACTFL Exam score of "Intermediate Low" : Or AP exam score-3 or higher; Limited English Proficiency students all criteria above and level 5 composite ACCESS test score.

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 greetings to pastimes, 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, past, and future tenses. A variety of practical language topics from travel to leisure activities are 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

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

ARTS ENDORSEMENT

To earn a Diploma Endorsement in the arts students must: complete 4 credits in single or multiple areas of the Arts; 2 or more at Honors or higher level; Mastery on external exam or performance task.

Music

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.

Music Technology

Recommended for students in grades 10, 11, or 12

Students will learn about the nature of sound and how it is transformed and modified in physical, electrical, and digital environments. The course will focus on individual and group projects including use of microphones, use of the iPad and/or PC hardware, working with DAWs, and use of Midi software, instruments, and sound libraries. Focus will be placed on both in-class and live performance use and application and will be both an audio and video technology resource for the all of the performing arts groups at Myrtle Beach High School.

Instrumental Music Band Rehearsal (Beginning Band)

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, 4, 5, 6, 7)

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.

Instrumental Music Orchestra-Strings 1, 2, 3, 4 (FALL)

Instrumental Music Orchestra Strings Rehearsal 1, 2, 3, 4 (SPRING)

Prerequisites: Approval of Orchestra Teacher

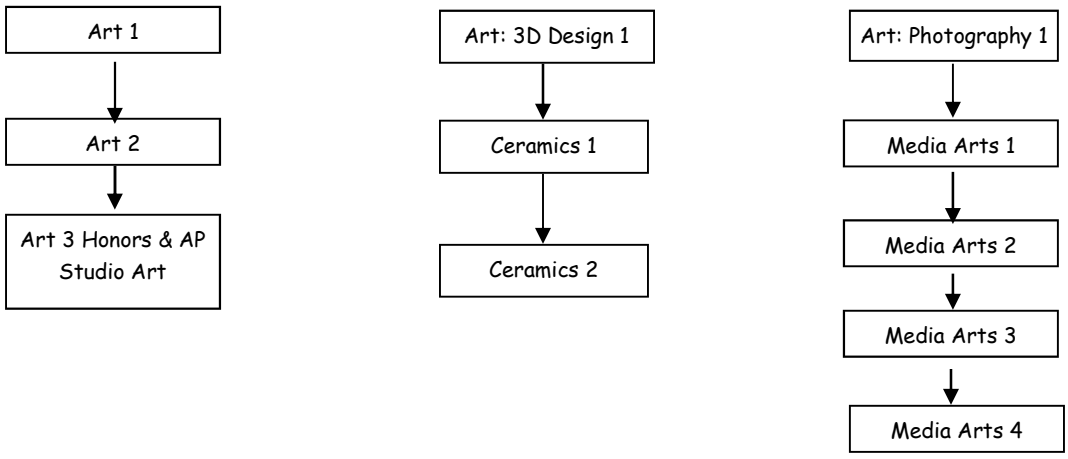
High school orchestra is an advanced instrumental ensemble that includes violin, viola, cello, and string bass. In this course students acquire advanced techniques on their primary instrument. As student's progress through these courses, greater emphasis is placed on more advanced techniques and musical 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.

AP Music Theory (Spring only)

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

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



Art 1

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

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

Prerequisite: Art 2

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 college quality artwork throughout their sustained investigation. ***Students are required to take the AP Studio Art examination.***

Art: 3D Design 1

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.

Art: Ceramics 1

Prerequisite: Art: 3D Design 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: Ceramics 2

Prerequisites: Art: Ceramics 1

This course will expand on the knowledge and skills obtained in Ceramics 1.

Art: Photography 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.

Media Arts 1, 2, 3, & 4 *

Prerequisite: Art Photography 1 and Application

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.

Theatre

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 Honors

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 1 & 2

Teacher permission required for this course.

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.

Theatre Workshop 2

Prerequisite: Technical Theatre Arts & teacher recommendation

An advanced approach to topics covered in Technical Theatre Arts, Theatre Workshop 2 may also address the study and application of lighting design and electrics installation, sound design and sound reinforcement, special effects, and backstage leadership including stage management and stage crew.

Chorus & Piano

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.

Show Choir (YEARLONG)*

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.

Instrumental Music: Piano 1

This class is designed to allow students the opportunity to learn and develop basic piano techniques, music reading skills, and knowledge of music theory. In additional 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. Time management skills and self-discipline are important for students to have in order to progress through the course with ease and success. A recital performance at the end of the semester is a part of the requirements for this course.

Instrumental Music: Piano 2 or 3

Prerequisites: Piano 1, 2, 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.

Career and Technical Education (CTE)

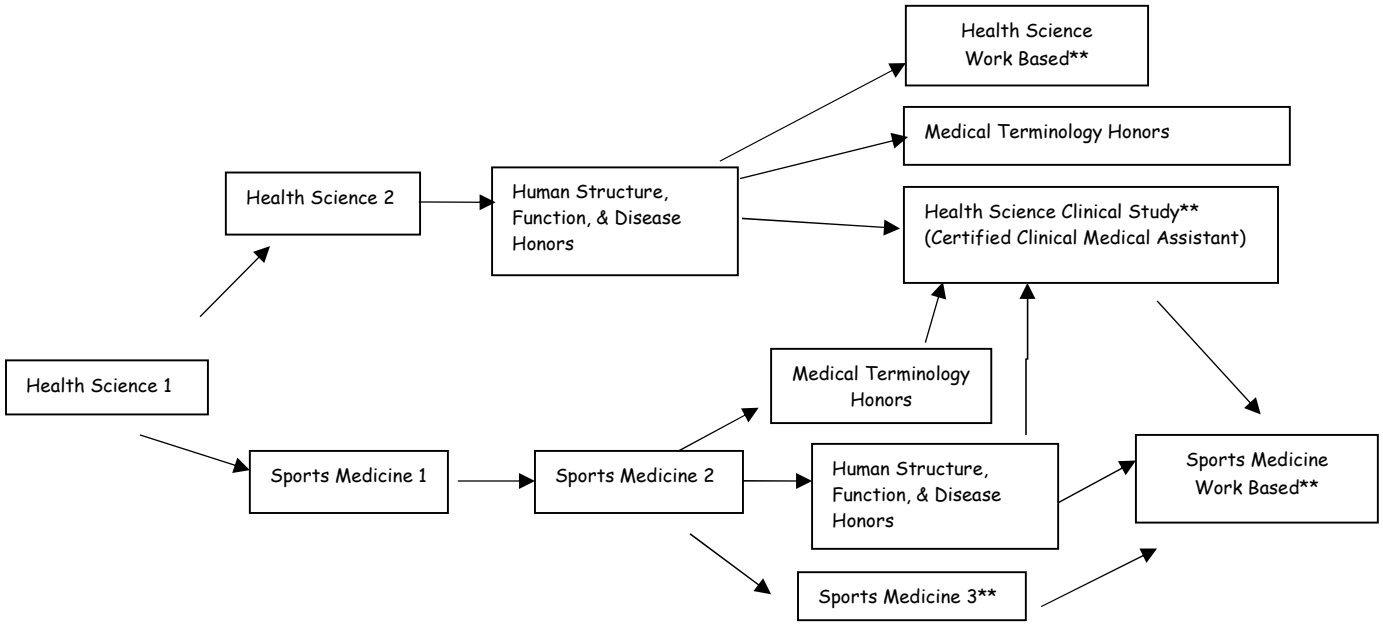
STEM ENDORSEMENT

To earn a STEM Endorsement a student must complete 4 credits beyond required courses in math, science, and technology; at least 2 at honors level or higher; may be in 1 area of STEM or across 4 areas.

Beginning in 2019-2020 TWO classes offered at MBHS can fulfill the Computer Requirement for Graduation:
1. Fundamentals in Computing
2. Fundamentals of Web Page Design and Development

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

Medical Sciences



**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 – Human Structure, Function & Disease Honors OR Medical Terminology Honors
Sports Medicine Major requires both Sports Medicine 1 and Sports Medicine 2 and EITHER Health Science – Human Structure, Function & Disease Honors OR Sports Medicine 3 OR Medical Terminology Honors

Health Science Work Based, Health Science Clinical Study, and Sports Medicine Work Based can only be taken as a 4th course in each major.

Health Science 1

Prerequisites: Current enrolled in, or have taken, Biology 1

This course introduces students to healthcare history, careers, 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 higher

Recommended that the student be in 10th grade or higher.

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 life span development 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 – Human Structure, Function & Disease 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.

Health Science Work Based

Prerequisite: Health Science – Human Structure, Function & Disease Honors; application; 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 certifications including: First Aid, Healthcare Providers Basic Life Support, and OSHA, should be integral components of this classroom instructional arrangement. Career Shadowing is also included. Students should master the essential knowledge and skills of these foundation courses before enrolling in any work-based instructional class.

Health Science Clinical Study*

Prerequisite: Successful completing of Health Science 1, 2, & Health Science – Human Structure, Function & Disease Honors with an overall score in each course of 75 or higher.

Requirement: 12th grade students

This course guides students to make connections from the classroom to the healthcare industry through clinical experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundations standards. The students will relay these skills into real life experiences. Students in this course must be BLS Healthcare Providers CPR certified and HIPAA trained before participating in any healthcare experience outside of the classroom. OSHA Safety Training-Healthcare certification will be obtained along with Certified Clinical Medical Assistant.

Sports Medicine 1

Prerequisite: Health Science 1 with a 75 or higher

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 higher and 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.

Sports Medicine Work Based

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

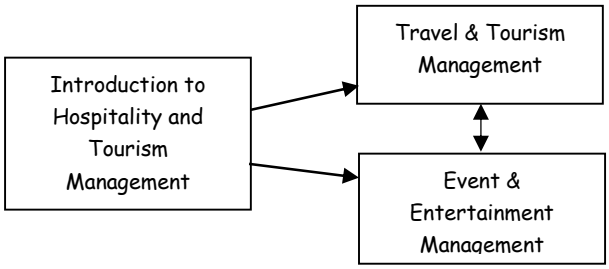
This course is considered a comprehensive course because the student experiences provide both a broad exposure to health careers and the foundational skills of a multi-skilled healthcare worker. Career shadowing, field trips, and guest speakers should be integral components of this classroom instructional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

Medical Terminology Honors

Co or Prerequisites: Health Science – Human Structure, Function & Disease Honors 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.

Hospitality and Tourism



Must have all three courses to be considered a completer.

Introduction to Hospitality and Tourism Management

Prerequisite: None

This course explores the nature, concepts and impact of the hospitality and tourism industry. This course focuses on foundational information about the hospitality and tourism industry and provides opportunities for students to get a taste of what hospitality and tourism is all about. Course content includes: career exploration, employability and career development skills, guest satisfaction, safety, security and environmental practices, the history of the hospitality industry, and the hospitality and tourism segments.

Travel & Tourism Management

Prerequisite: Intro to Hospitality and Tourism Management

This course incorporates management principles and procedures of the travel and tourism industry as well as destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course.

Event & Entertainment Management

Prerequisite: Intro to Hospitality and Tourism Management

familiarizes students with management techniques and strategies for successful planning, promotion, and implementation of special events that result in extraordinary and memorable experiences. Students will learn the basics about what it takes to add the "WOW factor" for customers whether the event is a sporting event, corporate event, family reunion, cruise, wedding, party, etc. Students will engage in project- and problem-based learning opportunities for event evaluation, direct observation of, and hands-on involvement in the planning and staging of special events.

Marketing Management

Marketing

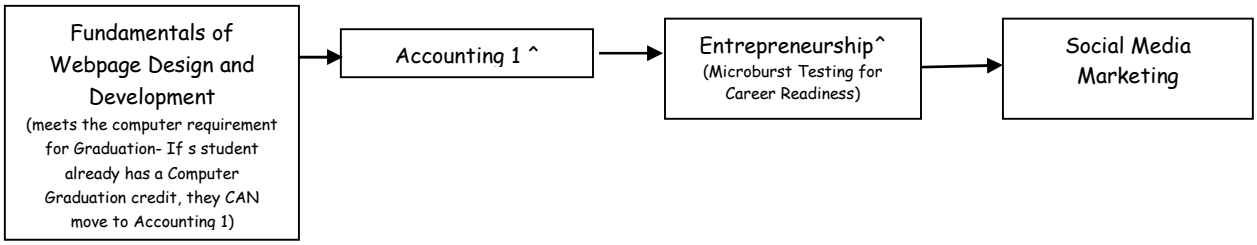
This course introduces students to the world of marketing. Students will learn about marketing fundamentals, economics, and the Marketing functions of price planning and strategies, promotion, selling, and product distribution. Creativity, problem-solving, research, teamwork, communication, and critical thinking skills are stressed. A coherent, comprehensive marketing plan will be the cumulative project which will demonstrate skills marketing students learned in the course. This is the fundamental course in all the Marketing programs and must be taken before specialized marketing courses.

Social Media Marketing

Prerequisite: At least one previous core class in General Management or Web & Digital Communication

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.

General Management



^Required for the major (General Management)

To be a General Management major, students must have Accounting 1 AND Entrepreneurship PLUS one of the following – Fundamentals of Web Page Design, or Social Media Marketing.

Accounting 1

Prerequisite: Grades 10-12 and completion of Intermediate Algebra or Algebra 1 with a C or better.

Note: This course meets one of the requirements for the General Management major.

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.

Entrepreneurship

Prerequisite: Accounting 1

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. **Microburst credential testing will be required at the end of this course.**

Web and Digital Communication

^Required for major

Students must have both Fundamentals of Web Page Design and Development AND Advanced Web Page Design and Development 2 PLUS 1 of the following 2 courses:

- Fundamentals of Computing
- Social Media Marketing

Fundamentals of Web Page Design & Development 1

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 Web Page Design & Development 2

Prerequisite: Fundamentals of Web Page Design & Development 1

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.

Fundamentals 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.

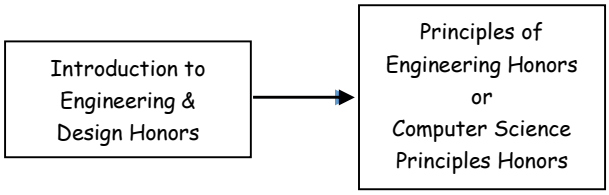
Social Media Marketing

At least one previous core class in General Management or Web & Digital Communication

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)

Global and local challenges surround us. To address these challenges and move forward, we need people who know problem-solving strategies, think critically and creatively, communicate and collaborate with others, and preserver when something does not work the first time. Project Lead The Way (PLTW)empowers students with these skills-relevant to any career and role they take on – and prepares teachers to engage their students in hands-on learning. Whether designing and producing prosthetics or deploying innovative water filtration devices in developing countries, PLTW student and the teachers who support them are empowered to make a difference in their classrooms. In their communities, and around the world.



PLTW Introduction to Engineering & Design Honors

Prerequisite: Algebra 1 (recommended that the student have at least "B" in 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.

PLTW Principles of Engineering Honors

Prerequisite: Introduction to Engineering & Design Honors

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

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.

PLTW Computer Science Principles Honors

Prerequisite: Introduction to Engineering & Design Honors

Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course helps student develop programming expertise and explore the working of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

Physical Education

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 weightlifting 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 charting 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 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 charting 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 5

Prerequisites: PE 4

Students use skills and knowledge from P.E. 4 to perform advanced lifting moves focused on improving athletic performance in a specific sport. Individual data is kept charting 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 6

Prerequisites: PE 5

Students use skills and knowledge from P.E. 5 to perform advanced lifting moves focused on improving athletic performance in a specific sport. Individual data is kept charting 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.

Navy Junior ROTC

MILITARY ENDORSEMENT

To earn a Diploma Endorsement in Military, students must complete 4 credits in JROTC and have an ASVAB score of 31 or higher.

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 only

Prerequisite: NJROTC 1- Invitation only

Three-Position Air Rifle is the most popular and widely practiced shooting sport discipline for school-age youth in the USA. Three-Position Air Rifle events originated from Olympic and ISSF three-position and air rifle events and are designed to have broad appeal both to youth who want an accessible recreational sport and youth who aspire to participate in high-performance competition. There are two different Three-Position Air Rifle equipment classes. Precision Air Rifle is modeled after ISSF and Olympic-style shooting and allows the use of specialized target air rifles and equipment. Athletes fire at targets at a distance of 10 meters in three positions, prone, standing and kneeling. Three-Position Air Rifle provides young athletes with competitive shooting opportunities that foster good sportsmanship, respect, and positive life skills in a safe, enjoyable setting. Students will learn the fundamentals of physical, mental, and emotional foundations that will assist them when confronting challenges in competition and life. Students learn and apply lessons to increase their focus, attention to detail, visualization, safety, and the ability to judge outcomes based upon decisions. They will learn the importance of establishing a clear and outcomes based briefing and the ability to self and team critique outcomes so that they can apply lessons learned to the next challenge…"Debriefing to Win" in both competition and life.

Other Electives & Dual-Enrollment (PACE)

Journalism 1 (Broadcast)

This one semester course is designed for the study and practice of the basic elements of broadcast journalism and video production. The course will emphasize newsgathering, writing, video recording, editing, and the study of mass media. Students will learn the basic elements of news value and vocabulary specific to broadcast writing. They will also identify various news sources and use interview skills to create stories using video and editing software. This course also explores the world of digital video and television production. Students work in collaborative teams to produce projects using cameras, while learning the basics of studio and field production, lighting, and sound. Throughout the year, students will create multiple projects to meet course objectives, including, but not limited to: producing a news show, commercial, public service announcement, movie trailer, and broadcast feature package. This entry-level course assumes no previous film or broadcast experience or training. The emphasis is visual storytelling through current technology.

Education 101 (Teacher Cadet)

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. Open to Juniors and Seniors.

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.

Personal Finance

Prerequisite: This course is for Juniors & Seniors

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing.

Instructional Release Time – Bible 1 & Bible 2

Grade level: 9-12

Students will be transported to and from school campus to participate in a Bible study course provided through a local church. Parent permission required.

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/

The Technical Scholars Welding Program is a partnership between Horry County Schools (HCS) and (HGTC). The program is designed for high school seniors and consists of twelve semester hours in the fall and twelve semester hours in the spring. Horry County Schools, following the district dual enrollment guidelines, will cover the tuition costs for the fall and spring semesters for those students enrolled in the program. Students who wish to develop their skills further can complete an additional ten semester hours during the summer session and receive an Advanced Welding Technologies Certification from HGTC, but the additional summer session tuition is not covered by HCS. More information is available at:
https://www.horrycountyschools.net/Page/10580#:~:text=The%20Technical%20Scholars%20Welding%20Program,semester%20hours%20in%20the%20spring.

Early Release

Grade Level: 12

Early release students must meet the following criteria:

1. Classification as a senior
2. Have earned, or are scheduled to earn, enough credits to graduate by the end of their senior year
3. Be deemed College and/or Career Ready
4. Provide a copy of a current pay stub to indicate the ***need*** to leave campus early (DUE in August of Senior Year)
   OR
   Have a GPA of 2.5 (for one block of early release)
   OR
   Have a GPA of 3.0 (for two blocks early release and only available 2nd semester)

   Qualifying GPA will be determined at the end of the Junior Year (after 6th semester)
5. Written parent/guardian permission

College and Career Readiness

All students should be deemed College and/or Career Ready upon graduation. Qualification as CCR is required for any early dismissal and/or early graduation. Students meet qualifying factors in a variety of ways; please refer to the information below.

College Ready	Career Ready
AP exam 3+ or higher	CTE completer with industry credential
IB exam 4+ or higher	ACT WorkKeys (Silver+)
Pass 6 dual credit hours with C or higher	WIN score of 3+ on all sections
ACT score of 20+	ASVAB score of 31+
SAT score of 1020+	State approved WBL experience
	SC High School Employability Credential