

# Carolina Forest High School



2020-2021

## Program of Studies



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Update February 2020 (Course offerings are subject to change to reflect the needs and interests of our students)

# Academic Policies & Procedures

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

Students should take seriously the selection of courses for the next school year and choose a course of study based on their individual goals and abilities.

In addition to reviewing the South Carolina requirements for a high school diploma, students should also review the minimum requirements for admission to South Carolina public four year colleges and universities as specified by the South Carolina Commission on Higher Education. These requirements are summarized in this Program of Studies, a detailed description can be found here: <https://goo.gl/pWVDJa>

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

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

The courses that students select are used to determine teacher allocation and the development of the master schedule, therefore late changes to student course requests and/or schedules may not always be possible.

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

## Carolina Forest High School Mission Statement

The mission of Carolina Forest High School, a diverse student-centered learning community, is to ensure that every student is fully prepared to be a successful contributor in a rapidly changing global society through the dedication of a caring staff and its commitment to create relevant, rigorous, and standards-driven learning in a safe environment.

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## HIGH SCHOOL GRADUATION REQUIREMENTS

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

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

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

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

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

## 4-YEAR COLLEGE ADMISSIONS CRITERIA

|  |                     |
|--|---------------------|
| English/Language Arts  | 4 units             |
| Mathematics  | 4 units             |
| <b>(Alg. 1, Geometry, Alg. 2, 1 or more units beyond Alg.2)</b>  |                     |
| <b>Laboratory Science</b>  | <b>3 units</b>      |
| U.S. History and Constitution  | 1 unit              |
| Government and Economics   | 1 unit              |
| Social Studies   | 1 unit              |
| <b>Foreign Language</b>  | <b>2 or 3 units</b> |
| (must be in the same language)   |                     |
| <b>Fine Arts</b>   | <b>1 unit</b>       |
| Computer Science   | 1 unit              |
| Physical Education or JROTC  | 1 unit              |
| *and meet the comprehensive Health requirement   |                     |
| <b>One additional unit in comp. science, English, fine arts, foreign lang., social studies, humanities, lab science or math.</b> |                     |
| Total number of credits must equal 24  |                     |

## GRADE CLASSIFICATION / PROMOTION POLICY

**Grade 9** – In order to be classified as a 9th grade student, the individual must have met the requirements of the 8<sup>th</sup> grade promotion standards.

**Grade 10** – 5 total credits – 1 Math credit and 1 English credit

**Grade 11** – 11 total credits – 2 Math credits and 2 English credits

**Grade 12** – 16 total credits – 3 Math credits, 3 English credits, 2 Science credits, and 2 Social Studies credits

\*Designation as a senior is not a guarantee that graduation requirements will be successfully met.

## CLASS RANK

High schools uniformly determine the official class rankings of students based on the grade point averages (“GPAs”) of students in grade twelve, i.e., seniors, including students considered to be in grade twelve (see Grade Classification/Promotion Policy). GPAs are calculated after seniors’ grades are finalized at the end of the school year, i.e., at the conclusion of the fourth quarter grading period or after the first term if the student is a January graduate. January graduates will not be included in the final rank. These final class rankings for seniors are computed in order to achieve the following three purposes:

**1. To determine honor graduates, using the Latin honors system as follows:**

- Students with a weighted GPA\* of 4.750 or higher on the S.C. uniform grading scale will be recognized as Summa Cum Laude graduates.
- Students with a weighted GPA\* of 4.250 or higher, but less than 4.750, will be recognized as Magna Cum Laude graduates.
- Students with a weighted GPA\* of 3.750 or higher, but less than 4.250, will be recognized as Cum Laude graduates.

\*Weighted GPA calculations are based upon the S.C. Uniform Grading Policy’s three decimal-point scale, and computations will not be rounded to a higher number.

Honors graduates will be recognized at each district high school graduation ceremony in the following manner:

- A notation indicating honor status (i.e., Summa Cum Laude, Magna Cum Laude, Cum Laude) will be inserted by the graduate’s name in the high school’s graduation program.
- The high school will announce the honor graduate’s level of recognition (i.e., Summa Cum Laude, Magna Cum Laude, Cum Laude) when the graduate walks across the stage.
- District-wide, a uniform color-coding system will be used for the honor cords awarded to honor graduates. The color coding is as follows:

|                 |                       |
|-----------------|-----------------------|
| Summa Cum Laude | school color + gold   |
| Magna Cum Laude | school color + silver |
| Cum Laude       | school color + bronze |

Academic regalia such as honors cords will be worn by a graduate during the ceremony provided that the student is:

- Eligible for Latin honors recognition,
- A member of a chartered honor society, or
- Entering the military.

Honor cords or other regalia may not be worn by students in graduation ceremonies to signify a student’s membership or enrollment in an academy/club/organization/program, a student’s completer status, and/or a student’s winning a competitive event.

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## 2. To determine students who will speak at district high school graduation ceremonies:

- The Valedictorian (the senior with the highest rank) will speak at his/her school's graduation ceremony.
- The Salutatorian (the senior with the second highest rank) will speak at his/her school's graduation ceremony.
- A third senior, who has earned magna or summa cum laude recognition, will be selected through election by his/her peers in the magna/summa cum laude student group to speak at his/her school's graduation ceremony.

## 3. To provide final class rank information that seniors may need to report to the post-secondary institution (s) of their choice.

### OFFICIAL CLASS RANK VS UNOFFICIAL CLASS RANK

**Official Class Rank** will be determined for tenth, eleventh, and twelfth graders on the 180<sup>th</sup> day of school. Students and parents may request an official transcript, which will include an official rank after the 180<sup>th</sup> day of school following the students' tenth, eleventh, or twelfth grade. Horry County Schools does not rank ninth graders.

**Unofficial Class Rank** may be determined at any time during the school year for tenth, eleventh, or twelfth graders. Unofficial class ranking is only a snapshot of where the student is ranked at the time the transcript is printed. It does not take into account any dual enrollment courses for which the student is currently enrolled, new students who have moved into the school, but do not have historical grades, or students who may enroll or leave the school before the end of the school year. All transcripts that are printed with an unofficial class rank will be labeled "Unofficial Transcript".

The rank in class for high school students will be computed according to the guidelines included in the S.C. Uniform Grading Policy. The district reserves the right to make changes in its policy concerning the structure for determining class rankings and grade point ratios.

### Preliminary class ranking of seniors for college admissions and/or scholarships

Preliminary class rank will be uniformly determined on the 135<sup>th</sup> day of school for twelfth graders based on the students' weighted GPAs for the following two purposes:

- \* To provide preliminary class rank information that seniors need for scholarships and other awards;
- \*To provide preliminary class rank information that seniors need for admission to postsecondary programs.

Note: Preliminary class ranking of seniors may not include all courses in which the student is currently enrolled, such as dual enrollment courses.

Note: January graduates will not be ranked with the graduating class.

### Ranking of tenth and eleventh graders for South Carolina Palmetto Fellows Scholarship eligibility.

In order for students in grades ten and eleven to be considered for initial eligibility for South Carolina's Palmetto Fellows Scholarship, calculation of GPAs and determination of class ranking for tenth and eleventh graders will occur after the 180<sup>th</sup> day of school when all grades have been finalized.

## Preliminary class ranking of juniors for selection of Junior Marshals

For the sole purpose of district high school graduation ceremonies, high schools will calculate the class rankings of eleventh graders, based upon their GPAs, on the 135<sup>th</sup> day of school, in order to identify junior class marshals. This 135<sup>th</sup> day ranking of eleventh graders is used only for the purpose of identifying junior class marshals.

Note: Preliminary class ranking of juniors may not include all courses in which the student is currently enrolled, such as dual enrollment courses.

### SOUTH CAROLINA ACADEMIC HONORS AWARDS

Complete 24 units of credit as prescribed;

Receive a minimum grade of "B" for each semester course in grades 9-12 through the 7<sup>th</sup> semester;

Achieve either a score of 710 or higher on the SAT verbal, a score of 690 or higher on the SAT math, a score of 30 or higher on the ACT English, or a score of 33 or higher on the ACT math

OR

Complete 24 units of credit as prescribed;

Be eligible for graduation with a state high school diploma;

Have a combined score of 1400 on the SAT verbal and math sections or an ACT composite of 31

\*Of the 24 units earned, 18 must be college preparatory coursework, four units in additional electives, and two units in one or more of the following: English, science, social studies, or math.

### HORRY COUNTY SCHOOLS HONORS

A student must surpass the minimum requirement for graduation and meet the additional following criteria:

A cumulative Grade Point Average of 4.0 or higher;

A composite SAT score of 1000 or higher (Critical Reading & Math) or composite ACT score of 22 or higher;

Five (5) or more math courses and four or more (4) credit-bearing courses in science;

Three (3) or more courses at the Advanced Placement (AP), International Baccalaureate (IB), or Dual Credit level;

At least three (3) courses of the same foreign language or four (4) courses in two (2) different foreign languages;

At least 28 Carnegie units meets requirements for a S.C. high school diploma;

Show evidence of participation in at least one school sponsored organization during grades 10-12, or complete 50 hours of approved community service during high school.

Eligibility for the Honors Award will be made after the 135<sup>th</sup> day of school in the semester of graduation. Students with serious behavioral offenses may be denied an Honors Award.

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## ADVANCED PLACEMENT (AP)

Advanced Placement is a program run by College Board (the makers of the SAT) that allows students to take courses in high school that can earn college credit and/or qualify students for more advanced classes when they begin college. Since AP courses are challenging and require students to study for a comprehensive exam, they teach students skills that will help them succeed in college classes. Taking AP courses are also a way to demonstrate real academic interest in a certain subject.

Course credits granted for AP courses vary from college to college, so students should contact the college(s) of their choice for specific AP Policies.

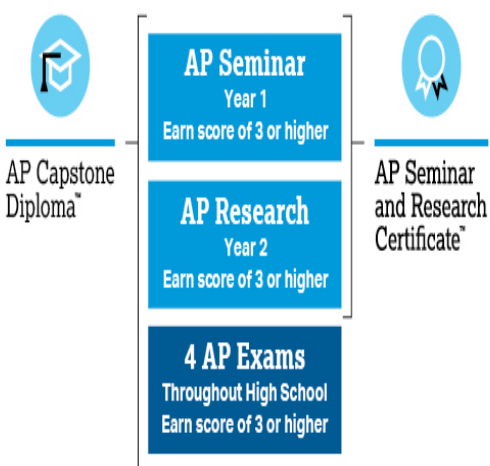
CFHS uses the AP Program's official policy for AP enrollment, which indicates that all willing students should be considered for admission to AP courses. Therefore, any student interested in taking an Advanced Placement (AP) course, should speak to their school counselor for more information!

## AP CAPSTONE DIPLOMA PROGRAM

Rather than teaching subjects-specific content, these courses develop student's skills in research, analysis. Evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn one of the two different AP Capstone awards, which are valued by colleges across the United States and around the world.

**Students can earn the AP Capstone Diploma or the AP Seminar and Research Certificate**

- Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the **AP Capstone Diploma**
- Students who earn scores of 3 or higher in AP Seminar and AP Research, but not on four additional AP Exams receive the **AP Seminar and Research Certificate**.



## PROJECT LEAD THE WAY (PLTW)

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

Students earning a qualifying score on the end of course exam in PLTW courses could be eligible to earn dual credit weight. The qualifying score is established by PLTW.

## AP + PLTW STUDENT RECOGNITION

To help prepare all students for the global workforce, the **College Board** and **Project Lead The Way (PLTW)** have partnered on a program to encourage student participation in science, technology, engineering, and math (STEM) courses and build their interest in STEM degrees and careers. The program leverages the success of the College Board's Advanced Placement Program (AP) and Project Lead The Way's applied learning.

Students who complete the requirements of their chosen pathway earn the **AP+PLTW student recognition**, a qualification that demonstrates to colleges and employers that the student is ready for advanced coursework and interested in careers in this discipline.

To earn the recognition, the student must satisfactorily complete three courses in the pathway—one AP course, one PLTW course; and a third course, either AP or PLTW—and earn a qualifying score of 3 or higher on the AP Exam(s) and a score of proficient or higher on the PLTW End of Course assessment(s).

| Level        | Engineering   | Biomedical Science  | Computer Science      |
|--------------|---|---|-----------------------|
| AP Courses   | AP Biology<br>AP Calculus AB<br>AP Calculus BC<br>AP Chemistry<br>AP Environmental Science<br>AP Physics<br>AP Statistics                           | AP Biology<br>AP Chemistry  | AP Computer Science A |
| PLTW Courses | Introduction to Engineering Design (IED)<br>Principles of Engineering (POE)<br>Aerospace Engineering (AE)<br>Civil Engineering & Architecture (CEA) | Principles of Biomedical Science (PBS)<br>Human Body Systems (HBS)<br>Medical Interventions (MI)<br>Biomedical Innovations (BI) | Cybersecurity         |

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## DUAL-ENROLLMENT (PACE)

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

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

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

## Technical Advanced Placement (TAP)

Technical Advanced Placement (TAP) is an Advanced Placement (AP) program for high school students who are enrolled in Career Technology Education courses. Through articulation agreements between HCS and HGTC, high school students may receive Technical Advanced Placement (TAP) credit for specific high school courses. Articulation agreements could vary from year to year. TAP courses are designated in the CFHS Program of Studies next to the course name. Included in the description is the grade requirement that the student must earn as well as the corresponding HGTC course name.

### TAP benefits:

- Save money on college tuition, fees, and books
- Accelerate progress to college completion
- Reduce duplication of instruction
- Improves job-readiness skills
- Improves job-placement potential
- Earn college credit at no cost while in High School
- Motivates students to continue education

### Admission Requirements:

In order to enroll in the TAP program a student must:

- Master the skills and competencies of the high school course.
- Earn the required grade for the course as listed in the Articulation Agreement.
- Receive a Teacher Recommendation form from the high school teacher.
- Submit the completed Teacher Recommendation form to the HGTC Admissions Office.
- A student must apply to HGTC, and register (which includes payment of tuition) in order for TAP credits to be accepted and entered on the student's transcript. The course will show on the transcript with the grade symbol "T", which means the student earns the credit hours but no grade is calculated.
- HGTC will award credit to students who enroll within 18 months of their graduation date and who have the TAP Teacher Recommendation form on file in the HGTC Admissions Office.

## JANUARY GRADUATION

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

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

## EARLY GRADUATION

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

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# Uniform Grading Policy

When the LIFE Scholarship (Legislative Incentive for Future Excellence) was created, the General Assembly directed the State Board of Education to develop and adopt a uniform grading scale to be implemented in all public schools of the state no later than the 2000–01 school year. In 1999, the State Board of Education adopted the first uniform grading policy to be applied to all students who first enrolled in the ninth grade class for the 2000–01 school year. This policy was in effect until the end of the 2006–07 school year.

In January 2007, the State Board of Education approved the revised uniform grading policy to ensure its alignment with recommendations in the Report of the South Carolina High School Redesign Commission (March 2006) and the Education and Economic Development Act (2005). The revised policy was effective for all students in the 2007–08 school year.

**In April 2016 a revised 10 point grading scale was approved for the 2016-2017 school year. This grading scale will be used for all high school students regardless of grade level.**

Additional Information can be found online at:

<http://ed.sc.gov/newsroom/news-releases/10-point-uniform-grading-scale-approved-by-state-board-of-education/>

Students in grades 9-12 may retake a course at the same level of rigor if they earned a D, P, NP, WP, FA or F in that course. The student's transcript will reflect all courses taken and the grades earned. However, only one course attempt and the highest grade earned for the course will be calculated in the GPA. The course must be completed within the next calendar school year AND prior to the next sequential course.

## Grading scale used from '07-'08 through '15-'16

Grade Point Conversion Chart

| Numerical Average | Letter Grade | College Prep | Honors | AP/IB/Dual Credit |
|-------------------|--------------|--------------|--------|-------------------|
| 100               | A            | 4.875        | 5.375  | 5.875             |
| 99                | A            | 4.750        | 5.250  | 5.750             |
| 98                | A            | 4.625        | 5.125  | 5.625             |
| 97                | A            | 4.500        | 5.000  | 5.500             |
| 96                | A            | 4.375        | 4.875  | 5.375             |
| 95                | A            | 4.250        | 4.750  | 5.250             |
| 94                | A            | 4.125        | 4.625  | 5.125             |
| 93                | A            | 4.000        | 4.500  | 5.000             |
| 92                | B            | 3.875        | 4.375  | 4.875             |
| 91                | B            | 3.750        | 4.250  | 4.750             |
| 90                | B            | 3.625        | 4.125  | 4.625             |
| 89                | B            | 3.500        | 4.000  | 4.500             |
| 88                | B            | 3.375        | 3.875  | 4.375             |
| 87                | B            | 3.250        | 3.750  | 4.250             |
| 86                | B            | 3.125        | 3.625  | 4.125             |
| 85                | B            | 3.000        | 3.500  | 4.000             |
| 84                | C            | 2.875        | 3.375  | 3.875             |
| 83                | C            | 2.750        | 3.250  | 3.750             |
| 82                | C            | 2.625        | 3.125  | 3.625             |
| 81                | C            | 2.500        | 3.000  | 3.500             |
| 80                | C            | 2.375        | 2.875  | 3.375             |
| 79                | C            | 2.250        | 2.750  | 3.250             |
| 78                | C            | 2.125        | 2.625  | 3.125             |
| 77                | C            | 2.000        | 2.500  | 3.000             |
| 76                | D            | 1.875        | 2.375  | 2.875             |
| 75                | D            | 1.750        | 2.250  | 2.750             |
| 74                | D            | 1.625        | 2.125  | 2.625             |
| 73                | D            | 1.500        | 2.000  | 2.500             |
| 72                | D            | 1.375        | 1.875  | 2.375             |
| 71                | D            | 1.250        | 1.750  | 2.250             |
| 70                | D            | 1.125        | 1.625  | 2.125             |
| 69                | F            | 1.000        | 1.500  | 2.000             |
| 68                | F            | 0.875        | 1.375  | 1.875             |
| 67                | F            | 0.750        | 1.250  | 1.750             |
| 66                | F            | 0.625        | 1.125  | 1.625             |
| 65                | F            | 0.500        | 1.000  | 1.500             |
| 64                | F            | 0.375        | 0.875  | 1.375             |
| 63                | F            | 0.250        | 0.750  | 1.250             |
| 62                | F            | 0.125        | 0.625  | 1.125             |
| 0-61              | F            | 0.000        | 0.000  | 0.000             |
| 61                | FA           | 0.000        | 0.000  | 0.000             |
| 61                | WF           | 0.000        | 0.000  | 0.000             |
| —                 | WP           | 0.000        | 0.000  | 0.000             |

## New grading scale beginning with the '16-'17 school year

10 Point Grading Scale

| Numerical Average | Letter Grade | College Prep Weighting | Honors Weighting | AP/IB/Dual Credit Weighting |
|-------------------|--------------|------------------------|------------------|-----------------------------|
| 100               | A            | 5.000                  | 5.500            | 6.000                       |
| 99                | A            | 4.900                  | 5.400            | 5.900                       |
| 98                | A            | 4.800                  | 5.300            | 5.800                       |
| 97                | A            | 4.700                  | 5.200            | 5.700                       |
| 96                | A            | 4.600                  | 5.100            | 5.600                       |
| 95                | A            | 4.500                  | 5.000            | 5.500                       |
| 94                | A            | 4.400                  | 4.900            | 5.400                       |
| 93                | A            | 4.300                  | 4.800            | 5.300                       |
| 92                | A            | 4.200                  | 4.700            | 5.200                       |
| 91                | A            | 4.100                  | 4.600            | 5.100                       |
| 90                | A            | 4.000                  | 4.500            | 5.000                       |
| 89                | B            | 3.900                  | 4.400            | 4.900                       |
| 88                | B            | 3.800                  | 4.300            | 4.800                       |
| 87                | B            | 3.700                  | 4.200            | 4.700                       |
| 86                | B            | 3.600                  | 4.100            | 4.600                       |
| 85                | B            | 3.500                  | 4.000            | 4.500                       |
| 84                | B            | 3.400                  | 3.900            | 4.400                       |
| 83                | B            | 3.300                  | 3.800            | 4.300                       |
| 82                | B            | 3.200                  | 3.700            | 4.200                       |
| 81                | B            | 3.100                  | 3.600            | 4.100                       |
| 80                | B            | 3.000                  | 3.500            | 4.000                       |
| 79                | C            | 2.900                  | 3.400            | 3.900                       |
| 78                | C            | 2.800                  | 3.300            | 3.800                       |
| 77                | C            | 2.700                  | 3.200            | 3.700                       |
| 76                | C            | 2.600                  | 3.100            | 3.600                       |
| 75                | C            | 2.500                  | 3.000            | 3.500                       |
| 74                | C            | 2.400                  | 2.900            | 3.400                       |
| 73                | C            | 2.300                  | 2.800            | 3.300                       |
| 72                | C            | 2.200                  | 2.700            | 3.200                       |
| 71                | C            | 2.100                  | 2.600            | 3.100                       |
| 70                | C            | 2.000                  | 2.500            | 3.000                       |
| 69                | D            | 1.900                  | 2.400            | 2.900                       |
| 68                | D            | 1.800                  | 2.300            | 2.800                       |
| 67                | D            | 1.700                  | 2.200            | 2.700                       |
| 66                | D            | 1.600                  | 2.100            | 2.600                       |
| 65                | D            | 1.500                  | 2.000            | 2.500                       |
| 64                | D            | 1.400                  | 1.900            | 2.400                       |
| 63                | D            | 1.300                  | 1.800            | 2.300                       |
| 62                | D            | 1.200                  | 1.700            | 2.200                       |
| 61                | D            | 1.100                  | 1.600            | 2.100                       |
| 60                | D            | 1.000                  | 1.500            | 2.000                       |
| 59                | F            | 0.900                  | 1.400            | 1.900                       |
| 58                | F            | 0.800                  | 1.300            | 1.800                       |
| 57                | F            | 0.700                  | 1.200            | 1.700                       |
| 56                | F            | 0.600                  | 1.100            | 1.600                       |
| 55                | F            | 0.500                  | 1.000            | 1.500                       |
| 54                | F            | 0.400                  | 0.900            | 1.400                       |
| 53                | F            | 0.300                  | 0.800            | 1.300                       |
| 52                | F            | 0.200                  | 0.700            | 1.200                       |
| 51                | F            | 0.100                  | 0.600            | 1.100                       |

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# COURSE DESCRIPTIONS

## ENGLISH / LANGUAGE ARTS

### English 1

Prerequisite: 8th Grade English Language Arts (ELA)  
Credit: 1 credit

This course provides a comprehensive study of World literature, grammar, composition, vocabulary development, speaking, listening skills, and reference skills. Students must complete a research project.

### English 1 Honors

Prerequisite: 8th Grade English Language Arts Honors (ELA)  
Credit: 1 credit

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

### English 2

Prerequisite: English 1  
Credit: 1 credit

This course offers study of World Literature genres and universal themes. Students will continue to build on the skills acquired in English 1, with continued focus on argument, literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, grammar, and development of a personal voice in writing. The South Carolina End-of-Course exam will be given to all students.

### English 2 Honors

Prerequisite: English 1 Honors or English 1 w/ teacher rec.  
Credit: 1 credit

This course will continue to build on the skills acquired in English 1 Honors with a reading focus on World Literature. Using in-depth study that extends beyond the required curriculum, students will continue to focus on argument, literary analysis, interpretation of purpose within a variety of communication formats, extensive reading within different genres, and development of a personal voice in writing. There will be continued application of reference usage, vocabulary development, grammar, and essay development. A research project is required. The South Carolina End-of-Course exam will be given to all students at the end of this course.



### English 3

Prerequisite: English 2  
Credit: 1 credit

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

### English 3 Honors

Prerequisite: English 2 Honors or English 2 w/ teacher rec.  
Credit: 1 credit

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

### English 4

Prerequisite: English 3  
Credit: 1 credit

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

### English 4 Honors

Prerequisite: English 3 Honors, AP English Lang, or English 3 w/ teacher rec.  
Credit: 1 credit

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

### AP English Language & Composition

Prerequisite: English 2 Honors, English 2 w/ teacher rec.  
Credit: 1 English credit



The AP English Language and Composition course follows the curriculum prescribed by the College Board. It is designed for juniors who have developed their writing skills and their awareness of style and rhetoric. The main focus of study is non-fiction by various authors and essayists. In order to receive credit for the course, students must successfully complete a research paper/project. Students will take the corresponding AP Examinations in May. (year long course)

**NOTE:** Taken in conjunction w/ AP Capstone Seminar

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## ENGLISH / LANGUAGE ARTS

### AP Capstone Seminar



Prerequisite: English 2 Honors or English 2 w/ teacher rec.  
Credit: 1 credit

In AP Seminar, students investigate real –world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments.

**NOTE:** AP Capstone Seminar is currently taken in conjunction with AP English Language & composition in a yearlong format.

### AP Capstone Research



Prerequisite: AP Capstone Seminar  
Credit: 1 credit

In AP Research, students cultivate the skills and discipline necessary to conduct independent research and inquiry in order to produce and defend their scholarly work.

**NOTE:** AP Capstone Research will be taken in conjunction with another AP course (TBA) in a yearlong format. Please speak to your counselor to see which AP course will be paired with AP Capstone Research.

### AP English Literature



Prerequisite: English 3 Honors, AP English Language & Composition, or English 3 w/ teacher rec.  
Credit: 1 elective credit (fall) / 1 English credit (spring)

Advanced Placement English is designed to involve students in the study of composition and literature at the college level. Students must possess strong skills in analytical reading and written expression. Course content requires extensive reading outside of class and during the summer. Students will take the AP Examination in May. (2 semester course)

## MATHEMATICS

### Foundations of Algebra (year-long)

Prerequisite: Math 8  
Credit: Foundations of Algebra Seminar (Fall semester)= 1 elective credit

Foundations of Algebra (Spring semester)=1 math credit

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

### Foundations of Algebra (semester-long)

Prerequisite: Teacher recommendation  
Credit: 1 credit

This course is designed for students who did not find success in year-long Foundations of Algebra and need to repeat the course. See course description above.

### Intermediate Algebra

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



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

### Algebra I (year-long)

Recommended criteria for placement: Students should meet 2 out of the 3: \*MAP: 235 ≥ \*SC Ready: 600 ≥ \*Math 8 Grade: 80 ≥



Credit: Algebra I Seminar (Fall semester)= 1 elective credit  
Algebra I (Spring semester)=1 math credit

This course focuses on the development of your ability to use a variety of representations, tools, and technologies to model mathematical situations in order to solve meaningful problems. The course topics include generalizations, algebraic symbols, matrices, algebraic expressions in problem-solving situations, relationships, equations, inequalities, interpretations, linear functions, systems of linear equations, quadratic functions and data representations. The state Algebra I End-of-Course exam will be given at the completion of the course. (2 semester course).

### Algebra 1 Honors

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



Credit: 1 credit

This course focuses on the development of the student's ability to use a variety of representations, tools, and technologies to model mathematical situations in order to solve meaningful problems. The course topics include generalizations, algebraic symbols, and matrices, algebraic expressions in problem-solving situations, functional relationship equations, inequalities interpretations, linear functions and data representations, systems of linear equations, square root, inverse, and exponential functions. The state Algebra 1 End-of-Course exam will be given at the completion of the course.

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# MATHEMATICS CONT...

## Geometry

Prerequisite: Algebra 1 or Algebra 1 Honors  
Credit: 1 credit

This course is the mathematical study of shapes, their properties, and their relationships. Emphasis is placed on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations.

## Geometry Honors

Prerequisite: Algebra 1 Honors  
Credit: 1 credit

This course will place emphasis on student discovery and exploration and on formulating and defending conjectures. Geometry includes an in-depth study of reasoning, polygons, congruence, similarity, right triangles, circles, area, volume, and transformations. Students will use a variety of approaches, such as coordinate, transformational, and axiomatic systems. Honors Geometry also includes the study of conditional statements, truth tables, and Pick's theorem.

## Algebra 2

Prerequisite: Geometry or Geometry Honors  
Credit: 1 credit

This course is an in-depth study of functions, patterns, relations, and concepts of number systems. This includes linear, quadratic, exponential, absolute value, radical, and rational functions. Conic sections are also addressed. Students will use graphing calculators (Ti-84) and appropriate computer software.

## Algebra 2 Honors

Prerequisite: Geometry Honors  
Credit: 1 credit

This course contains an in-depth study of functions, patterns, relations, and concepts of number systems. Conic sections are also addressed. You will use a variety of representations, tools, and technologies to model situations to solve meaningful problems. Honors Algebra 2 also includes the study of logarithmic and polynomial functions.

## Algebra 3

Prerequisite: Algebra 2 or Algebra 2 Honors  
Credit: 1 credit

This course is an extension of concepts taught in earlier courses with emphasis on applications of polynomial, rational, exponential, logarithmic, trigonometric functions. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is a logical choice for students preparing for college level mathematics. This course is recommended for students who took Algebra 2 Honors and would like to build their skills prior to Pre-calculus Honors.

## Pre-calculus Honors

Prerequisite: Algebra 2 Honors or Algebra 3  
Credit: 1 credit

The course will include an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Includes the study of decomposition of rational expressions, systems of second-degree equations and inequalities, complex numbers in polar form, iteration, and fractals.

## AP Calculus (AB)



Prerequisite: Pre-calculus Honors  
Credit: 1 elective credit (fall) / 1 math credit (spring)

Advanced Placement Calculus (AB) focuses on topics in analytic geometry, functions, and differential and integral calculus. The competencies of this course are prescribed by the College Board. If you score at an acceptable level on the Advanced Placement examination, you will be eligible to receive college credit from participating institutions. Students will take the AP examination in May. (2 semester course)

## AP Calculus (BC)



Prerequisite: AP Calculus (AB)  
Credit: 1 credit

AP Calculus (BC) is a semester long course in the calculus of functions of a single variable. Calculus (AB) topics will be reviewed and additional topics will be covered. The competencies of this course are prescribed by the College Board. If you score at an acceptable level on the AP exam, you will be eligible to receive college credit at participating institutions in a course that is one course beyond that granted for Calculus (AB). Students will take the AP examination in May.

## Probability & Statistics

Prerequisite: Geometry  
Credit: 1 credit

In this course, you will learn the fundamental principles of probability and statistics and apply these principles to data analysis. The course topics include foundations of data analysis, univariate data displays, interpret graphical display, bivariate data and scatter plots, basic probability concepts and applications, probability distributions, statistical inference, hypothesis testing, and project design.

## AP Statistics



Prerequisite: Probability & Statistics or Algebra 2 H w/ teacher rec.  
Credit: 1 credit

This course is currently only offered online through Horry County Virtual School. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data—Describing patterns and departures from patterns, Sampling and Experimentation—Planning and conducting a study, Anticipating Patterns—Exploring random phenomena using probability and simulation, Statistical Inference—Estimating population parameters and testing hypotheses. Students will take the AP exam in May.

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# SCIENCE

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

## Physical Science

Credit: 1 credit

This course is an introductory course in which students will explore natural laws and scientific principles as they relate to the topics of physics and chemistry. Concepts include measurement, analyzing and graphing data, properties of matter, forms of energy, and the interaction of matter and energy. Concepts are reinforced by numerous laboratory demonstrations and investigations. This course is not recognized as a lab science by most colleges.

## Biology 1



Credit: 1 credit

This lab science course continues the study of scientific inquiry. Laboratory investigations reinforce the understanding of living things, their functions, and their interdependence. The course includes a comprehensive study of the cell which includes: molecular structure, cell functions, chemical processes, heredity, and biological organization and hierarchy in all living things. This course explores the interrelationships among organisms, the biotic and abiotic components of their environment, and the social implications of the human impact on the physical and chemical cycles and processes of Earth. Students must take the South Carolina End-of-Course Exam at the conclusion of the course.

## Biology 1 Honors



Prerequisite: Geometry Honors or Algebra 1 Honors w/ teacher rec.

Credit: 1 credit

Biology Honors is an introductory laboratory-based science course designed to familiarize the college-bound student with the major concepts of biological science: the cell, molecular bases of heredity, biological evolution, interdependence of organisms, matter, energy, organization in living systems, behavior, regulation and human impact on systems. This course provides numerous opportunities for students to develop science process skills, an appreciation for the nature of science through inquiry-based learning experiences, and investigative, hands-on lab activities. This course also will focus on advancing students ability to think critically and apply information learned to real world situations. Students are required to analyze peer review journal articles in both oral and written form. Students must take the South Carolina End-of-Course Exam at the conclusion of the course.

## Chemistry 1



Prerequisite: Physical Science, Biology, and Algebra 2

Credit: 1 credit

This course includes a study of the structure and organization of matter, chemical bonding, chemical equilibrium, chemical reactions, and environmental effects. This course is designed for students planning to attend a four-year college.

## Chemistry 1 Honors



Prerequisite: Algebra 2 Honors and Biology Honors

Credit: 1 credit

This course includes a study of the structure and organization of matter, chemical bonding, chemical equilibrium, chemical reactions, and environmental effects. This course is designed for students planning to attend a four-year college. Students will complete inquiry based labs with emphasis on data collection and analysis.

## Marine Science



Prerequisite: Biology 1

Credit: 1 credit

This course offers a comprehensive study of the world ocean including the science of biology, geology, chemistry, and physics. The major topics of study include: history of ocean exploration, origins of the ocean and plate tectonics, seafloor topography, sediments and water structure, hurricanes and currents, waves and tides, coasts, plankton/algae/plants, marine animals, marine communities, marine resources, and environmental concerns. Students will explore the ocean concepts through numerous laboratory and internet-based activities. There will be a major emphasis on local beach and salt marsh ecosystems, including animal identification.

## Anatomy and Physiology Honors



Prerequisite: Biology 1

Credit: 1 credit

This course involves the study of the human body's form and function. In addition to all body systems that will be studied, medical terminology, diseases, and health care careers will be explored. **This course consists of a lab unit involving animal (cat/mink) dissection and physical activity labs.**

## Environmental Science



Prerequisite: Biology 1

Credit: 1 credit

This course focuses on interactions in ecosystems found locally and applies this knowledge to some important ecosystems around the globe. Students will learn field study techniques, sampling procedures, and species identification. They will see how science is applied to business and industry through such topics as environmental impact, wetland delineation, and ecotourism.

## AP Environmental Science



Prerequisite: Geometry Honors

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

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

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## SCIENCE CONT...

### AP Biology



Prerequisite: Biology 1 Honors & Chemistry 1 Honors  
Credit: 1 elective credit (fall) / 1 science credit (spring)

Advanced Placement Biology adheres to the AP Program as prescribed by the College Board. Candidates for AP Biology should possess high level reading skills since there are extensive reading assignments from a college textbook. The laboratory work required for success in the course is intensive, and may require additional time in the lab after the normal school hours. Successful completion of this course, and acceptable performance levels on the required AP Biology Exam (a standardized test from the College Board) may result in college credit as a first-year biology course at the student's choice of a college or university. AP Biology is presented at the introductory college level. Students will take the AP examination in May. (2 semester course)

### AP Chemistry



Prerequisite: Chemistry 1 Honors & Algebra 2 Honors  
Credit: 1 elective credit (fall) / 1 science credit (spring)

Advanced Placement Chemistry provides an opportunity for you to pursue and receive credit for college-level coursework completed on the secondary level if you receive a passing score on the Advanced Placement examination. The course is a rigorous math-based course, with a strong laboratory component. It is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of class. Units include, but are not limited to, reactions, acids and bases, equilibrium, thermodynamics, bonding, periodicity, hydrocarbons, nuclear chemistry, and kinetics. AP Chemistry adheres to the program of study as prescribed by the College Board. Students will take the AP examination in May. (2 semester course).

### AP Physics



Prerequisites: Algebra 2  
Co-requisite recommended: Pre-Calculus (or higher)  
Credit: 1 elective credit (fall) / 1 science credit (spring)

AP Physics 1 is an algebra-based, introductory college-level physics course. Students will cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: 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. The course has an extensive laboratory component. It is an expectation that AP Physics students demonstrate a willingness to commit considerable time to studying and completing assignments outside of class. All students will take the AP Exam in May. (2 semester course)

## SOCIAL STUDIES

### World Geography

Credit: 1 credit

The focus of this course is the major civilizations of the past and their contributions to the world as it exists today—in aspects that range from the geographic to the social and political. Critical thinking will be emphasized in this course, with an emphasis on why particular civilizations developed where and when they did, why they became dominant, why they declined, and how they have influenced the development of human culture. This course will begin with the emergence of the River Valley Civilizations and conclude with global developments up to approximately 1750.

### AP Human Geography



Prerequisite: English 1 Honors  
Credit: 1 elective credit (fall) / 1 social studies credit (spring)

This course is taught at the college level and is designed for students willing to make a commitment to the study of human geography. The objective of the course is to focus on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the College Board course description: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. Students take the AP Human Geography exam in May. (2 semester course)

### World History

Credit: 1 credit

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

### AP European History



Prerequisite: AP Human Geography or teacher rec.  
Credit: 1 elective credit (fall) / 1 social studies credit (spring)

This course is taught at the college level and is designed for students willing to make a commitment to the study of history. The objective of the course is to increase students' understanding and appreciation of European history since 1450, while helping them succeed on the AP European History exam. The class introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. Students take the AP European History exam in May. (2 semester course)

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## SOCIAL STUDIES CONT...

### U.S. History and the Constitution



Prerequisite: World History or AP European History  
Credit: 1 U.S. History and Constitution credit

This survey course covers the social, economic and political developments in the United States from the earliest settlement of North America to the present. This span includes the Native Americans, establishment of colonies, creation of a new nation, the U.S. Constitution, territorial expansion to the West, Civil War and Reconstruction, industrialization and immigration of the late nineteenth century, and our nation's role in world affairs in the twentieth and twenty-first centuries. Students will analyze historical documents, understand varying viewpoints, and evaluate the historical interpretation of others. This course is required for graduation. The SC End of Course exam will be given to all students.

### AP U.S. History



Prerequisite: AP European History or World History w/ teacher rec.  
Credit: 1 elective credit (fall) / 1 US History credit (spring)

This course is designed as a college level course for students willing to commit to the serious study of history. AP U.S. History is an intensive study that requires the utilization of skills and factual knowledge to analyze problems in the history of the US. The course involves research, interpretation, critical analysis, and extensive reading. Specific emphasis will be placed on social, economic and political trends of the United States in foreign and domestic affairs through the year 2003. Analysis and interpretation of documents, maps, statistical data, pictorial and graphic evidence will be required. Students take the AP U.S. History exam in May. The SC End of Course exam will be given to all students. (2 semester course)

### Government and Economics

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

Government and Economics is a rigorous course designed for high school seniors. Nine weeks will deal with the U.S. National Government. Students will primarily examine the operation of major American institutions such as the Presidency, the National courts, and Congress. Civil rights, civil liberties and civic responsibilities will also be discussed. The other nine weeks will deal with Economics. Its goal is to increase students' financial literacy and to study the structure of the American economic system. The focus is on economic principles, with an emphasis on the efficient allocation of resources through the market forces of demand and supply. With regard to financial literacy, students are also given instruction in banking and financial institutions, credit card and credit management, and stock and bond markets.

### AP U.S. Government and Politics



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

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

### AP Microeconomics



Prerequisite:  
Credit: 1 credit

The purpose of an **AP course in Microeconomics** is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. This course must be taken in conjunction with AP Micro Economics in order to meet the Government / Economics graduation requirement.

## ELECTIVES

### Humanities

#### Education 101 (Teacher Cadet)

Prerequisite: Grades 11-12 and an application is required  
Credit: 1 credit

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

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## ELECTIVES CONT...

### English for Speakers of Other Languages

Determined by English proficiency score

Credit: 1 credit

The ESOL class will consist of two components. The majority of the class will focus on improving reading, writing, listening, and speaking skills in English. The remaining portion will provide structured academic assistance.

### English Elective A (Read 180)

Determined by 8th grade test scores

Credit: 1 credit

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

### Journalism 1

Credit: 1 credit

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

### Broadcast Journalism 1

Prerequisite: Journalism 1

Credit: 1 credit

The purpose of this course is to broaden communication skills, enhance media awareness, and preview potential college-career fields. It will introduce you to the basic technical, artistic, and oratorical aspects of broadcast journalism. Topics include story construction procedures, camera use, interviewing, reporting, and announcing skills, as well as the professional concerns of a broadcast journalist. Class time will be spent practicing camera operation, writing and performing scripts, and discussing current broadcast trends. The class will produce a live daily announcement show. (This course can be repeated as space allows, however; only the first earned credit will be counted towards total credits earned).

### Newspaper Production

Prerequisite: Journalism 1, Grades 10-12

Credit: 1 credit

This class will produce the high school newspaper. Students will sharpen their interviewing, reporting, writing, photography, computer and design skills by producing the monthly paper. Students will be required to sell ads and work approximately five extra hours a month outside of class time. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Creative Writing

Credit: 1 credit

This course is designed to help improve skills in creative writing in the areas of poetry, short story, drama, and nonfiction. Students should enjoy writing and will be encouraged to enter contests and submit writing for publications.

### Yearbook Production

Prerequisite: Journalism 1, Grades 10-12

Credit: 1 credit

This course expands office computing by incorporating the use of a microcomputer-based system and software with graphic capabilities to produce publication materials in which typeset text and graphics have been integrated on the page using accepted journalism and presentation techniques. The major objective of the course is to produce the school yearbook. Students must agree to work outside of class and to sell ads. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Public Speaking

Prerequisite: Grades 10-12

Credit: 1 credit

Learn practical approaches to conquering the number one fear for many people: speaking in front of a group. This course provides experiences that prepare students for everything from sharing ideas in a class discussion to giving prepared speeches.

### Psychology

Prerequisite: Grades 10-12

Credit: 1 credit

This course is designed to help students better understand themselves and others in everyday situations. Major areas of emphasis will be personality and behavioral development, intelligence, heredity and environment, marriage and family life, peer groups, mental health and social problems, learning and conditioning, and social and abnormal psychology.

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## ELECTIVES CONT...

### AP Psychology



Prerequisite: Psychology or teacher rec.  
Credit: 1 credit

Students will explore the concepts, theories, perspectives, phenomena and behaviors associated with the subfields and research areas of psychology. Students will also analyze the methods psychologists use to study various types of behavior and mental processes and evaluate the validity and significance of their contributions. Students will take the AP exam in May.

### Sociology

Prerequisite: Grades 10-12  
Credit: 1 credit

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Life is social whenever we interact with others. Over time, patterns of interaction become embedded in the structure of society. Sociologists investigate and seek to understand the structure of groups, organizations, and societies and how people interact within these contexts. Since most human behavior is social, the subject matter of sociology ranges from the intimate family to the internet; from organized crime to religious culture. Because of sociology's breadth and applicability, it is a topic that is often fascinating for high school students; because of sociology's strong empirical basis, it can also help introduce students to the rigorous use of scientific data to study the social world.

### Current Events / Foreign Policy

Prerequisite: Grades 10-12  
Credit: 1 credit

In this course, students will scrutinize current events on the local, state, national, and international levels. Students will examine economic, religious, social, political, and military events. Where applicable, in-depth research will be conducted to determine the historical causes for current situations. Mass communication materials and the Internet will be used for obtaining immediate and historical information pertaining to the curriculum to understand the environments in which students live. Students are expected to participate actively in class discussions.

### Civics

Credit: 1 credit

The purpose of this course is to prepare students to be active participants in the United States system of government through guided debate, critical discussion of current events and political issues, and simulations of democratic processes such as congressional hearings. Students will understand the purposes, principles, and practices of American government as established by the United States Constitution. This includes understanding their rights and responsibilities as American citizens and how to exercise these rights and responsibilities in local, state, and national government, and how citizens participate responsibly and effectively in the civic and political life of the United States.

### Law Education

Prerequisite: English 1  
Credit: 1 credit

Students will explore the historical and legal basis of the United States legal system. Students will study the U.S. Constitution, landmark Supreme Court cases as well as influential case law. Particular focus will be placed on research, synthesizing legal concepts, and ethics. Students will research various topics relating to the U.S. Constitution focusing on landmark cases and their current impact on society. Students will independently simulate Congressional debate and courtroom procedures. When given current legal controversies, students will research and create original arguments supporting their opinions. This course will particularly focus on developing students' oratorical skills and critical thinking, while incorporating team work and leadership skills. Students will prepare and conduct a trial with hypothetical cases provided by the South Carolina Bar Association. Local attorneys will serve as mentors and facilitate class discussion and research. Student teams compete in regional, state, and possibly national competitions. Students may have some required meetings outside the traditional school day. This course allows students to explore various career opportunities in the legal profession.

## Foreign Language

### German I

Credit: 1 credit

This course is the first in a series in which students develop communication skills, cultural knowledge, connections to their subject areas, comparisons to their own language and culture, and participation in multilingual communities. Students will study vocabulary, the basic grammatical mechanics of the language, pronunciation, and culture. Emphasis is placed on developing interpretive, interpersonal, and presentational skills within an authentic cultural context. There is a great deal of speaking and active participation in this class with rapid language acquisition, resulting in the ability to hold full conversations in the target language.

### German 2

Prerequisite: German 1  
Credit: 1 credit

This course is a continued study of the language principles developed in German 1. Students will expand their base knowledge of the language. Students will learn additional vocabulary and will be exposed to more complex grammar concepts and culture. Interpretive, interpersonal, and presentational skills will continue to be developed and applied. After completing this course, students are eligible to travel abroad to Germany as part of Friendship Connection.

### German 3 Honors

Prerequisite: German 2  
Credit: 1 credit

This third level of language study again advances what has been acquired in German I and II. All concepts and vocabulary learned in the first two levels are utilized and expanded. The course includes an intensified study of vocabulary, grammar, and culture to further develop interpretive, interpersonal, and presentational skills in the language. Students will be expected to show higher levels of comprehension in all standards. By the end of the course, students are able to place out of most first and second semester college language classes.

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## AP German Language & Culture

Prerequisite: German 3 Honors  
Credit: 2 credits



The AP German Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. Students should learn language structures in context and use them to convey meaning. In standards-based world language classrooms, the instructional focus is on function and not the examination of irregularity and complex grammatical paradigms about the target language. Language structures should be addressed in as much as they serve the communicative task and not as an end goal unto themselves. The AP German Language and Culture course strives to promote both fluency and accuracy in language use and not to overemphasize grammatical accuracy at the expense of communication. In order to best facilitate the study of language and culture, the course is taught in the target language. (2 semester course)

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## Spanish 1

Credit: 1 credit

This course is the first in a series in which students develop communication skills, cultural knowledge, connections to their subject areas, comparisons to their own language and culture, and participation in multilingual communities. Students will study vocabulary, the basic grammatical mechanics of the language, pronunciation, and culture. Emphasis is placed on developing interpretive, interpersonal, and presentational skills within an authentic cultural context.

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## Spanish 2

Prerequisite: Spanish 1  
Credit: 1 credit

This course is a continued study of the language principles developed in Spanish I. Students will expand their basis knowledge of the language. Students will learn additional vocabulary and will be exposed to more complex grammar concepts and culture. Interpretive, interpersonal, and presentational skills will continue to be developed and applied.

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## Spanish 3 Honors

Prerequisite: Spanish 2  
Credit: 1 credit

This third level of language study again advances what has been acquired in Spanish I and II. All concepts and vocabulary learned in the first two levels are utilized and expanded. The course includes an intensified study of vocabulary, grammar, and culture to further develop interpretive, interpersonal, and presentational skills in the language. Students will be expected to show higher levels of comprehension in all standards.

## Spanish 4 Honors

Prerequisite: Spanish 3 Honors  
Credit: 1 credit

This college level course is equivalent to an AP Seminar course. It is the course taken prior to the AP course and students will learn three themes: Families and Communities, Science and Technology, and Beauty and Aesthetics. A high emphasis will be placed on the mastery of linguistic competencies, a very high level of proficiency in the domain of speaking, reading, writing, listening and cultural comparison. This course is designed to develop the student's ability to understand and speak Spanish in various conversational settings, to read literary texts and the fine-tune more advanced aspects of grammar, and to write formal compositions. Students will continue to AP Spanish and will take the course in May.

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## AP Spanish Language & Culture



Prerequisite: Spanish 4 Honors  
Credit: 1 credit

This course places high emphasis on the mastery of linguistic competencies, a very high level of proficiency. This is a college level course designed to develop the students' ability to understand and speak Spanish in various conversational settings, to read newspapers, magazine articles, and literary texts, to fine-tune the more advanced aspects of Spanish grammar, and to write formal essays. Students will take the corresponding AP Exam in May.

## Fine Arts (Visual)

### Art Appreciation

Credit: 1 credit

This course is an introductory semester long course designed to increase knowledge and appreciation of the visual arts. Successful completion of this course will fulfill the fine art credit requirement. Students will interpret and evaluate works with being introduced to the elements and principles of design. Students will participate in a variety of art applications to experience and better understand the process of creating art. Students will be required to keep an art journal. *No prior experience in art is required.*

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### Art I

Credit: 1 credit

This course is an introductory level class designed to teach students the basic skills needed for understanding and creating art. Successful completion of the class will provide the foundation for continued study in the visual arts. The curriculum is designed around the Elements of Art, Principles of Art, art history and technique development. Reading and writing are a part of this course. A sketch book and necessary supplies will be required.

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### Art 2: Drawing

Prerequisite: Art 1 with a grade of 80 or higher  
Credit: 1 credit

This course is offered to students who would like to further their study of visual art specifically with 2D drawing media. Students will continue to study art history and aesthetics. Exploring and creating using multiple types of drawing media will be the focus of the class. The basic supplies that students are required to have upon entering this course are a sketchbook, pencils, pens, and erasers.

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# Fine Arts (Visual) Cont...

## Art 3: Sculpture

Prerequisite: Art 1 with a grade of 80 or higher  
Credit: 1 credit

This class explores the various materials used to create sculptures including clay, wood, paper mache, and wire. Students learn how to manipulate these materials and use sculpting tools safely. They will analyze other works of sculpture through discussion and critique, examining geometric, abstract and organic forms. Students will be required to work daily in a sketchbook to create various plans for each project. Students will have the opportunity to submit artwork into various art shows and to create a digital portfolio of their work. The basic supplies that students are required to have upon entering this course are a sketchbook and pencil.

## Art 4: Painting

Prerequisite: Art 1 with a grade of 80 or higher  
Credit: 1 credit

This course is offered to students who would like to further their study of visual art specifically with 2D painting media. Students will continue to study art history and aesthetics. The basic supplies that students are required to have upon entering this course are a sketchbook, pencils and erasers.

## AP Studio Art 2D Design



Prerequisite: Art 1 and teacher approval  
Credit: 1 credit

This course is for highly motivated students who are ready for a college-level art experience. The AP Program is sponsored by the College Board, and AP policies are determined by representatives of College Board member institutions throughout the country. The program allows colleges to evaluate and award student work by granting college level credit and/or placement. Students will demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, collage, fabric-design, weaving, fashion design, fashion illustration, painting and printmaking. Students will submit a portfolio as their AP examination in May (1 semester course)

## Digital Arts

Prerequisite: Art 1 with a passing grade of 80  
Credit: 1 credit

This course provides an introduction to digital painting and the use of Adobe Photoshop, covering both basics of the program and on-screen painting. This class focuses on the image manipulation and painting tools of Photoshop and translates traditional painting techniques to the computer. Exercises emphasize techniques that enhance students' understanding of the Photoshop interface, ability to visualize and sketch out compositions, control light and value, and create a representational image. The process taught had direct application to illustration, feature films, video games, graphic novels, etc. Additional students learn about visual communication and how to expand their ability to communicate visual ideas to collaborators.

## AP Studio Art Drawing



Prerequisite: Art 1 and teacher approval  
Credit: 2 credits

This course is for highly motivated students who are ready for a college-level art experience. The AP Program is sponsored by the College Board, and AP policies are determined by representatives of College board member institutions throughout the country. The program allows colleges to evaluate and award student work by granting college-level credit and/or placement. Students will explore drawing issues including line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making through a variety of means, such as painting, printmaking, or mixed media. Students will submit a portfolio as their AP examination in May. (2 semester course)

## AP Studio Art 3D Design



Prerequisite: Art 3 and teacher approval  
Credit: 2 credits

This course is for highly motivated students who are ready for a college-level art experience. The AP Program is sponsored by the College Board, and AP policies are determined by representatives of College Board member institutions throughout the country. The program allows colleges to evaluate and award student work by granting college-level credit and/or placement. Students will demonstrate mastery through any three-dimensional approach, such as figurative or non-figurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts. Students will submit a portfolio as their AP examination in May. (2 semester course)

## AP Art History



Prerequisite: Grades 10-12  
Credit: 1 Fine art credit

The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters an in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and inter-connections of art making processes and products throughout history. AP Art History is designed to be the equivalent of a two semester introductory college or university art history survey course. Reading and writing are a major part of this course. Students will take the AP exam in May.

## Digital Photography

Prerequisite: Art 1 with a grade of 80 or higher or Image Editing  
Credit: 1 credit

Through lectures and hands-on experience, students will learn a basic understanding of the digital camera and its functions. An emphasis will be placed on manipulation of camera controls, exposure, shutter speed, lighting, and on-and-off camera flash. Students will also learn the basics of digital editing as well as some advanced techniques using Adobe Camera Raw and Adobe Photoshop. Students will gain a greater understanding of the Elements and Principles of Art as they pertain to Digital Photography. Previous experience with photography and the computer is beneficial but not required. A DSLR camera is not required but will allow greater freedom for the student to work outside of class and have more hands on time with the camera. Students will be expected to complete several assignments outside of class.

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## Fine Arts (Instrumental)

At CFHS, **marching band** is considered an extracurricular activity. Information regarding becoming a member of the CFHS Marching Panthers can be obtained from Mr. Mark Roddy, Band Director.

mroddy@horrycountyschools.net

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### Instrumental Music: Band 1 & 2 (Concert Band)

Prerequisite: Audition or teacher approval

Credit: 2 credits

Band I is for somewhat advanced students who have demonstrated technical skills. Master musicianship, technique, and performance-related music theory skills will be emphasized. Students will perform music commensurate with grade level IV-VI (on a music grading scale of I-VI). Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period. Band II is for advanced students who have demonstrated advanced technical skills. Master musicianship, technique, and performance related music theory skills will be emphasized. Students will perform music commensurate with grade level IV-VI (on a music grading scale of I-VI). Students will also be eligible to participate in those activities within the band program that are considered co-curricular. Some activities will occur outside of the regular class period. (2 semester course)

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### Instrumental Music: Band 3 (Percussion)

Prerequisite: Audition or teacher approval

Credit: 2 credits

In this band class, students will study and perform a variety of percussion literature and techniques. Techniques of study will include; Orchestral Percussion, Marching Percussion, Timpani, and Drum-Set. Extra rehearsals may also be scheduled as needed. Students will participate in the Solo and Ensemble Festival as well as audition for the Region and All-State Bands as part of the class grade. Select students will also be assigned to perform with the Concert Band, Wind Ensemble, Marching Band and various Chamber Ensembles as needed. (2 semester course)

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### Symphonic Band 1 & 2 (Wind Ensemble)

Prerequisite: Audition or teacher approval

Credit: 2 credits

Wind Ensemble I includes the analysis and study of history, appropriate musical vocabulary and symbols, and an appreciation of and an understanding of music in relation to styles of music, music periods, composers, and various cultures. Students will exhibit an understanding of and advanced proficiency in performance, conducting, listening, appreciation, history analyzing, and research culminating in written reports, composing, and use of current technology. Students will perform music in concert, competitions, and festivals at an IV-V level of difficulty. Wind Ensemble II consists of only the most advanced wind and percussion players. The Wind Ensemble will study literature grades IV-Masterworks. This ensemble will perform 6-10 times during the semester; performances will include SCBDA Concert Festival, Regional and National level Concert Festivals. Students are required to participate in the Solo and Ensemble Festival and to audition for the Region and all-State Bands as part of the class grade. After school rehearsals will be required. (2 semester course)

### Instrumental Music: Orchestra Strings 1-4

Prerequisite: Audition or teacher approval

Credit: 2 credits

The content of these courses focuses on developing skills in the areas of rhythm, ear training, performance, form and analysis, and music reading. Knowledge is gained in an historic and stylistic understanding of the music being studied. Knowledge is gained regarding symbols, terminology, and other indications on the printed score. Experience in ensemble playing is a feature of this course. Public performances are required. (2 semester course)

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### Symphony Orchestra 1 & 2 (Electrical Orchestra)

Prerequisite: Audition or teacher approval

Credit: 2 credits

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### Instrumental Music: Piano 1

Credit: 1 credit

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

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### Instrumental Music: Piano 2

Prerequisite: Piano 1 or teacher approval

Credit: 1 credit

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

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### AP Music Theory



Prerequisite: Teacher approval

Credit: 1 credit

AP Music Theory 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. The student's ability to read and write musical notation is fundamental to this course. It is strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument. The ultimate goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Students will take AP examination in May. (includes a recorded singing portion)

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## Fine Arts (Performing)

### Chorus 1: Mixed Chorus

Credit: 1 credit

This course provides instruction for the beginning choral student in fundamental choral techniques in a performance group. The course covers basic music theory, vocal techniques, sight-singing, choreography, and choral performance. You are required to participate in ALL scheduled after-school rehearsals and performances to earn credit. Costume purchase required.

### Chorus 2: Women's Show Choir

Prerequisite: Audition required

Credit: 1 credit (A/B Day)

This course is designed for the female vocalist who seriously desires to develop refined performance skills in performing vocal ensemble with choreography. The course provides varied choral experiences such as music from the Renaissance and Baroque periods, as well as Broadway, jazz and foreign language literature. You are required to participate in ALL after-school rehearsals and performances to earn credit. Interested students must successfully complete an audition consisting of a voice-range check and solo audition. You should be prepared to sing a song of your choice. Costume purchase is required, and fund-raising participation is expected to assist in performance & travel expenses.

### Chorus 3: Intermediate Show Choir

Prerequisite: Audition Required

Credit: 1 credit (A/B Day)

This class is designed as a preparatory class for our advanced show choirs. The class provides instruction at the intermediate level through the study of appropriate choral music literature and choreography in a performance choir setting. You are required to participate in ALL scheduled after-school rehearsals and performances to earn credit. Interested student must complete an audition consisting of a voice-range-check and solo audition. You should be prepared to sing a song of your choice. Costume purchase is required, and fund-raising participation is expected to assist in performance & travel expenses.

### Chorus 4 & 5: Showcase Show Choir

Prerequisite: Audition Required

Credit: 2 credits

This course develops refined performance skills in an advanced performing vocal ensemble with choreography. The course provides varied choral experiences such as music from the Renaissance and Baroque periods, as well as Broadway, jazz and foreign language literature. You are required to participate in ALL after-school rehearsals and performances, including off campus and out-of-town field trip / competition events to earn credit. Students are required to audition for All-County Chorus and to participate if selected for this honor choir experience. Students are also required to participate in the annual school musical. Interested students should be currently performing at an advanced level of musical competence, and are required to successfully complete an audition consisting of a voice-range check and solo audition. You should be prepared to sing a song of your choice. Costume purchase is required, and fund-raising is expected to assist in performance & travel expenses. Students selected through audition. Must register for both semesters. (2 semester course)

## Musical Theatre 1

Credit: 1 credit

Musical Theatre class is an exploration of American Musical Theatre. Students will study the work of the actor/singer/dancer and use their gained knowledge to develop as performers. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Since this is a workshop course, students will prepare material for class presentation and critique. There will also be a focus on the audition process as well as musical theatre history and repertoire.

### Theatre 1

Credit: 1 credit

Designed to introduce students to the basic elements of theatre, this course will cover the effective use of voice and diction, history of theatre, and basic acting skills. This course will strengthen your self-esteem, creativity, and imagination. These skills will be addressed through the use of improvisation, pantomime, and individual and group performances.

### Theatre 2

Prerequisite: Theatre 1

Credit: 1 credit

Theatre 2 is a continuation of the fundamental principles presented in Theatre 1. The course will cover play writing, basic directing skills, script and character analysis, and intermediate acting skills. These skills will be addressed through the use of improvisation, writing assignments, projects, and individual and group performances. The end project of the course will be presentation of student written work and/or a scripted play. Students will be required to participate in competition and/or semester performances.

### Theatre 3 Honors

Prerequisite: Theatre 2 or Theatre 1 with teacher rec.

Credit: 1 credit

Through this course you will acquire skills in play writing; in directing through choosing, analyzing, and rehearsing a script; blocking techniques; auditioning actors; working with technical crews; and in understanding and applying acting theories and styles. The end project will be the presentation of a one-act play. Students will be required to participate in competition and semester performances.

### Theatre 4 Honors

Prerequisite: Theatre 3 Honors

Credit: 1 credit

Through this course you will acquire skills in play writing; in directing through choosing, analyzing, and rehearsing a script; blocking techniques; auditioning actors; working with technical crews; and in understanding and applying acting theories and styles. The end project will be the presentation of a one-act play. Students will be required to participate in competition and semester performances.

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## Fine Arts (Performing) Cont...

### Theatre Workshop 1

Credit: 1 credit

This course will provide a beginning study in elements of technical theatre such as costumes, makeup, stage management, house management, and workshop development. These skills will be addressed through hands-on activities and various projects in class and for an actual performance.

### Theatre Workshop 2

Prerequisite: Theatre Workshop 1 or teacher rec.

Credit: 1 credit

This course provides for a more in-depth study of the technical aspects of play production, scenic design, as well as advanced techniques of staging, sound, and lighting. You will be expected to serve as stage managers, assistant directors, and crew supervisors.

### Advanced Theatre Workshop 3 & 4

Prerequisite: Theatre Workshop 1 & 2 and teacher rec.

Grades 10-12

Credit: 1 credit

In this semester long course students will build upon the design and application skills learned in Theatre Workshop 1 & 2. Students will engage in hands-on projects including: designing, engineering, building/painting sets and props; hanging, programming and operation of lighting; selecting, operating, and maintaining of sound equipment; and learning facility technical management, through setting up for school/district events. More advanced students will have design opportunities on sets, props, lighting and sound. This course is designed for students to take on leadership roles in the semester productions and in the classroom by working with others and creating projects. Students will learn by doing and will be responsible for the design and build of productions during the semester.

## Physical Education

### Physical Education 1

Credit: 1 credit

This course will provide a wide array of topics related to health, physical fitness and how to establish a high quality life-style. Students will be involved in a wide range of fitness activities, learn how to assess their own health and fitness levels, and participate in a variety of team sports and lifetime activities. PE 1 is a required course to receive a high school diploma. All five standards set up by the state of South Carolina must be passed in order to receive credit for the course.

### Dance

Prerequisites: Physical Education 1

Credit: 1 credit

This class focuses on technique and students will study a variety of dance styles as well as dance history. Students will be required to dress out and participate every day. A dance recital at the end of the semester is required. Dance students are graded on performance, class participation, tests, and projects. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Weight Training

Prerequisite: Physical Education 1

Credit: 1 credit

This elective course is designed for student athletes who want to improve their personal fitness. Physical training (weight training and conditioning) is the focus of the class with emphasis on proper development of weight training techniques and improving the students' physical fitness. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Team and Life Sports

Prerequisite: Physical Education 1

Credit: 1 credit

This elective course is designed for students who enjoy being active and would like to continue participating in PE class. Students will participate in team and individual or partner sports in a recreational setting. This course will focus on game strategy through sport enjoyment. Sports such as volleyball, soccer, basketball, ultimate badminton, spike ball, flag football, softball and more are included. This course may not be used in lieu of PE 1 to satisfy the graduation requirement. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Competitive Team Sports

Prerequisites: Physical Education 1

Credit: 1 credit

This elective course is designed for students interested in the competitive game play aspect of sports. There will be competitive, cardiovascular conditioning, agility, and plyometrics. This course will focus on game strategy and competitive game play. Students will be required to apply skills learned in PE 1 in a fast paced competitive setting. Prior skills assessments and PE grades will be considered for allowance into this elective course. This course may not be used in lieu of PE 1 to satisfy the graduation requirement. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Adaptive Physical Education (APE)

Prerequisites: Physical Education 1

Credit: 1 credit

This elective course is designed for students with physical, mental, emotional, or behavioral limitations that prevent them from enjoying being active in a regular PE setting. Students will participate in team and individual or partner sports in a recreational setting, as well as other incorporated physical activities that promote movement and overall health. This course may not be used in lieu of PE 1 to satisfy the graduation requirement. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

### Sports Trainer 1

Prerequisite: Anatomy & Physiology with a C or better

Grades: 10-12

Credit: 1 credit

Students will learn the components of exercise science including medical terminology, basic principles of safety, first-aid, CPR, vital signs, and anatomy overview. The course includes class work and practical, hands-on application in the following areas: recognition, care, prevention, and treatment of athletic injuries. This course will benefit students who are interested in career choices such as athletic training, physical therapy, medicine, exercise physiology, nursing, kinesiology, or any other field relating to sports medicine.

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## Cardio Fit

Prerequisite: Physical Education 1

Credit: 1 credit

This elective course is designed for students interested in muscle toning, strength gains, and cardio-respiratory fitness. Students will use a variety of equipment including treadmills, bands, dumbbells, and other weights and machines to design and participate in an individualized fitness plan with the goal of improving their physical health. In addition, students will learn content including muscle anatomy, exercise physiology, and the relationship between diet and exercise that will help guide them toward lifelong health. Students with an interest in personal training would benefit from this class. Students will be required to apply prior fitness knowledge from PE I. This course may not be used in lieu of PE 1 to satisfy the graduation requirement. (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

## Navy Junior ROTC

**All courses in NJROTC require wearing of the uniform once per week and participation in military drill and physical fitness. NJROTC emphasizes positive core values, discipline, citizenship, and teamwork. There is no uniform charge but uniforms must be maintained by the cadet and returned when leaving the program. Service in the U.S. military after participation in any of these courses is not required. Navy JROTC also offers many extracurricular activities such as drill team, rifle team, academic team, and orienteering team. These teams participate in competition throughout the year. Cadets are not required to participate on these teams. Additionally, NJROTC cadets take orientation field trips and may participate in many unit activities including parades, community service projects, and sports events involving JROTC units from Horry County.**

### JROTC 1

Credit: 1 PE credit

If you are interested in Navy Junior ROTC, this course is for you. This course gives a one year credit toward advanced placement in the U.S. military should the student decide to make the military a career. Units include: Introduction to the NJROTC, Leadership, Citizenship, Foundations of our Government, Navy Ships, and Naval Aviation. Military careers, especially in the U.S. Navy are explored. Uniforms are issued free of charge and are required to be worn once per week in order to earn a passing grade. Military training includes military drill, uniform inspection, and mandatory physical training. *This course meets the comprehensive health requirement for SC graduation and can take the place of the Physical Education 1 requirement.*

### JROTC 2

Prerequisite: JROTC 1

Credit: 1 credit

Second in the series, this course begins the process of molding the cadet into a leader of cadets. This course gives a one-year credit toward advanced placement in the U.S. military should you decide on that career path. Academic units include: Naval Leadership, Naval Orientation, Naval Weapons, Meteorology and Weather, and Navigation Fundamentals. As in NS-I, cadets are expected to wear a uniform and participate in military drill and physical fitness training. Cadet promotions are based on performance.

### JROTC 3

Prerequisite: JROTC 2 and teacher rec.

Credit: 1 credit

Third in the series, this course trains and develops the top leadership in the NJROTC unit. Upon successful completion of this course and graduation from high school, military recruiters may process cadets for placement in the military at a pay-grade level E-3, an 18-month in-service advantage over non-JROTC recruits. Academic units include: Naval Leadership, Military Justice, Astronomy, International Law and the Sea, Sea Power and National Security, Naval History, and Naval Operation. NS-3 cadets are considered for placement in summer leadership camps and selection to Commanding Officer of the unit for their senior year. NS-3s are also considered for University ROTC scholarships and selection to the United States Naval Academy.

### JROTC 4

Prerequisite: JROTC 3 and teacher rec.

Credit: 1 credit

A "capstone" course, NS-4 cadets, depending on numbers, may be placed in an "NS-4" class or be integrated into other NS classes and placed in leadership positions. NS-4s are expected to use their knowledge and experience gained in NJROTC to lead and "run" the unit. Academic requirements will come from the "Selected Readings in Naval Leadership for NJROTC Students" text and assigned projects. This course involves a large amount of "hands on" leadership involving the less experienced cadets. NS-4 cadets will learn to "lead by example."

### NJROTC Leadership (JROTC 6,7,8)

Prerequisite: JROTC 2 and teacher rec.

Credit: 1 credit

This course concentrates on the leadership and staff functions of the NJROTC unit. Leadership and management skills are examined using real life scenarios and case studies. Cadets learn to explore human needs and how to manage and lead using positive motivational strategies. Cadets are taught the many staff functions of the unit and experience "hands-on" leadership and management.

## Driver's Education

Prerequisite: Must have SC learner's permit

Credit: 1/2 credit

Fee: Call school bookkeeper for current fee rates.

Driver's Education consists of two parts: the online classroom portion, and the behind the wheel instruction. All students must attend morning classes from 7:00am-8:15am for approximately 20 days. Parents must provide transportation to ensure early arrival for class. Students will complete their behind the wheel instruction during school hours. New sessions are available each quarter. Contact Mr. Brian Arroz for more detailed info. [barroz@horrycountyschools.net](mailto:barroz@horrycountyschools.net). **THIS COURSE SHOULD NOT BE CHOSEN AS ONE OF A STUDENT'S EIGHT COURSES.** Sessions are held each quarter and are limited to approximately 20 students on a first come / first served basis. Use link below to sign up.

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# Business and Computer Science

## Fundamentals of Computing



Prerequisite: Completion of Algebra I is recommended  
Credit: 1 credit

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

## Computer Programming 1



Prerequisite: Algebra 1  
Credit: 1 credit



This course is designed to introduce students to the fundamentals of computer programming. Topics included are sequence, decision and repetition structures using flowcharts, and use of flowcharts to demonstrate loops and process arrays. Students will identify common terminology used in Object Oriented Programming, and use variables and parameters with programmer defined methods linked to defined events in a 3D graphic environment. Students will receive practical hands-on experience working with coding projects using flow charting software. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) at HGTC, CPT 168 Programming Logic and Design. This course fulfills the computer science graduation requirement. (CTE course)

## Computer Programming 2



Prerequisite: Algebra 1 and Computer Programming 1  
Grades: 10-12  
Credit: 1 credit



A continuation of programming concepts using Visual Basic. This course takes the concepts learning in CPI to a professional level while creating useful, realistic, and appealing applications in an Object Oriented Programming Language, to emphasize the development cycle when creating applications, which mirrors the approach by professional developers. This class should follow CPI and can lead to complete status in Programming. This course fulfills the computer science graduation requirement. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) at HGTC, CPT 187 Object-Oriented Logic and Design (CTE course)

## Fundamentals of Web Design & Development



Credit: 1 credit



This course is designed to provide you with the knowledge and skills needed for entry-level positions in web publishing. HTML code will be taught and used to produce web pages for posting on the Internet. You will use links and tools to navigate, to interact, to create, and to communicate. This course fulfills the computer science graduation requirement. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) at HGTC, IST 226 Internet Programming. (CTE course)

## Advanced Web Design & Development



Prerequisite: Fund. Of Web Design & Development  
Grades: 10-12  
Credit: 1 credit



Advanced Web Design & Development is designed to provide students with the knowledge and skills necessary to pursue careers in web design and development. Students will develop skills in advanced HTML and CSS coding, scripting, layout techniques, and other industry-standard practices. In Advanced Web Design and Development, students must be able to edit source code directly rather than using a WYSIWYG editor. This course fulfills the computer science graduation requirement. (CTE course)

## Digital Publication Design

Credit: 1 credit



Develop technology centered workplace skills and come away with a portfolio that can represent you in job interviews or college applications. Students in this class will create, illustrate, design, and revise advertising materials, flyers, brochures, and other publications for the CFHS community using software like Adobe InDesign and Photoshop. Whether it's owning your own business or getting into the best school for you, these skills will help you. (CTE course)

## Computer Programming With Java 1



Prerequisite: Algebra 1 & Computer Programming 1 & 2 (or teacher approval)  
Grades: 10-12  
Credit: 1 Credit



Computer programming with Java 1 is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design and development, and practical experience in programming using modern object-oriented languages. This course fulfills the computer science graduation requirement. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) at HGTC, CPT 236 Intro to Java. (CTE course)

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## Business and Computer Science cont....

### AP Computer Science A



Prerequisite: Computer programming 1 with Java

Credit: 1 credit

Computer science embraces problem solving, hardware, algorithms, and perspectives that help people utilize computers to address real-world problems in contemporary life. As the study of computer science is evolving, the careful design of the AP Computer Science A course and exam continues to strive to engage a diverse student population, including female and underrepresented students, with the rigorous and rewarding concepts of computer science. Students who take the AP Computer Science A course and exam are well prepared to continue their study of computer science. The AP Computer Science A course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solution that can scale up from small simple problems to large, complex problems. Students will take the AP exam in May. This course fulfills the computer science graduation requirement. (1 semester course) (CTE course)

### Foundations of Animation



Prerequisite: Image Editing, Digital Multimedia or Web Page Design & Development

Grades: 10-12

Credit: 1 credit

This course prepares students to use artistic and technological foundations to create animations. The basic principals of digital animation are reviewed, including character development and story conception through production. Students learn the technical language used in the animation industry and basic animation methods. This course fulfills the computer science graduation requirement. (CTE course)

### Fundamentals of Business, Marketing and Finance

Credit: 1 credit

Fundamentals of Business, Marketing, and Finance is designed to encourage students to pursue successful careers as an entrepreneur in business, marketing, and finance. Students will gain a basic understanding of business concepts, including international business, consumer rights, business and operations management, financial planning, and marketing communications. This will increase students' knowledge and skills that are utilized within business as it relates to a global society.

### Personal Finance

Credit: 1 credit



Financial literacy is essential in meeting the financial challenge of the 21st Century. The competencies, which form the basis for this semester course, will enable you to analyze your personal finance decisions, evaluate the costs and benefits of your decisions, recognize your rights and responsibilities as consumers, and apply the knowledge learned in school to financial situations encountered later in life. Some basic financial literacy skills included in the course are budgeting, obtaining credit, maintaining checking accounts, analyzing the basic elements of finance, computing payroll, making sound investments, and preparing tax returns. Students who satisfactorily complete this course with an overall grade of 80 are eligible for Technical Advanced Placement Credit (TAP) at HGTC, BAF 101 Personal Finance (CTE course)

### Accounting I



Prerequisite: Alg I with C or better OR teacher rec,

Grades 10-12

Credit: 1 credit

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. The use of the computers in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures. (CTE course)

### Image Editing



Credit: 1 credit

Image editing tools are used by industry professionals to edit and enhance most images presented in magazines, newspapers, and other media. This course is designed to provide students with the knowledge and skills needed to master image manipulation and photographic retouching. Students will explore the technical and artistic aspects of image editing by creating images to be used in various types of media. (CTE course)

### Game Design and Development



Grades 10-12

Credit: 1 credit

Game design and development is a course covering major aspects of game design including character and world development, game playing, game genres, some basic coding, and theories and principals of game design. Students will gain hands-on experience in simple game development. Concepts and practices will be explored to help students decide if they are interested in pursuing careers in game programming and/or computer science. This course fulfills the computer science graduation requirement. (CTE course)

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## Business and Computer Science cont....

### Advertising



Grades 10-12  
Credit: 1 credit

In this class you will study all aspects of advertising. You will study theory and create advertisements and displays for various media. Guest speakers from both ad agencies and the media will participate. You will get a broad overview of a multi-billion dollar industry while exploring the detailed workings of business. You will learn procedures for developing broadcast-advertising campaigns, learn how to determine advertising objectives, understand the role of market research, and be introduced to media planning. Other topics will include the creative process in terms of objectives, formats, and emotional appeals; procedures for producing a commercial; and truth-in-advertising and regular of industry. (CTE course)

### Sports and Entertainment Marketing



Grades 10-12  
Credit: 1 Credit

This course is designed to offer an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Sports marketing addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment marketing includes events such as fairs, concerts, trade shows, festivals, plays, products launches, causes, etc. Students will develop skills in the areas of merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry. (CTE course)

### Social Media and Marketing



Prerequisites: Successful completion of two business education courses or teacher rec.

Grades: 10-12  
Credit: 1 credit

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

### Marketing



Credit: 1 credit

The course focuses on key marketing concepts, the role of marketing within organizations, and the role of marketing in society. Among topics discussed are the importance of marketing, the interrelationship of the different phases of marketing, the differences between the marketing of goods and services, wholesaling, retailing, pricing strategies, analysis of markets, and distribution. The course will acquaint the student with basic marketing concepts, terminology, and applications. The use of marketing in a variety of industries will be explored. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced placement Credit (TAP) at HGTC, MKT 101-Marketing. (CTE course)

### Entrepreneurship



Credit: 1 credit

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

### Virtual Enterprise 1 & 2



Prerequisite: Algebra I or equivalent  
Grades 10-12  
Credit: 2 credits

Virtual Enterprise is an in-school entrepreneurship program and global business simulation that replicates all the functions and demands of real business in both structure and practice. Students will create and manage a virtual business, which will include product development, production and distribution, marketing, sales, human resources, and finance and accounting. Students are assigned to work in different departments, typically either Administration, Accounting/Finance, Sales, Marketing, or Human Resources. Students work in teams and engage in commerce with other virtual firms using e-commerce strategies. The transfer of funds to complete transactions is made electronically through a web-based simulated banking system that links all US firms with each other and with VE firms worldwide. With emphasis on college and career readiness, VE offers students a competitive edge through project-based, collaborative learning and the development of 21st Century skills in entrepreneurship, global awareness, problem-solving, communication, financial literacy, and technology. **VE 2** is a continuation of the skills and concepts learning in VE1, where students will learn about the elements of finance: understanding money, budgeting, obtaining credit, maintaining checking/savings accounts, computing payroll, and analysis of the various types of investment choices. You will use the computer as a tool to manage finances. Students who satisfactorily complete this course with an overall grade of 80 are eligible for Technical Advanced Placement credit (TAP) at HGTC, for BUS 101 Introduction to Business. **STUDENTS MUST REGISTER FOR BOTH TERMS. (2 semester course) (CTE course)**

### Virtual Enterprise 3 Honors & 4 Honors



Prerequisite: Virtual Enterprise 1 & 2  
Credit: 2 credits

These courses provide a continuation of the experiences gained in VE 1 & 2. As students progress through the program, they are expected to assume greater roles and responsibilities in their virtual firm. At the honors level, students will be expected to pursue a more in depth study of business related topics. Independent research projects and presentations are incorporated into the curriculum and serve as extensions to the current standards of Virtual Enterprise. **MUST REGISTER FOR BOTH TERMS. (2 semester course) (CTE course)** (This course can be repeated as space allows, however; only the first credit earned will be counted towards total credits earned).

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## Business and Computer Science cont...

### Professional & Leadership Development

Prerequisite: Two business courses

Grade Level: 11-12

Credit: 1 credits



This is the capstone course for CTE completers. The purpose of this course is to help students develop leadership skills necessary for success in business and industry. Concepts for the course include goal setting, motivation, team building, time management, problem-solving, conflict resolution, communication, ethics, and diversity. Students will develop an understanding of the need for community service as part of their overall civic and professional responsibilities. Microsoft Learning Employability Soft Skills program will be utilized throughout the course and will provide a certification system for cultivating students' soft skills. Upon successful completion of this program, students will receive the Employer's Choice Certification.

## Agricultural Science

### Agricultural Science Technology

Credit: 1 credit



The Agricultural Science and Technology course is designed to teach essential concepts and understanding related to plant and animal life including biotechnology, the conservation of natural resources, and the impact of agriculture and natural resource utilization on the environment. Emphasis is placed on the role of agriculture in our society and the importance of agriculture to the welfare of the world. Basic personal and community leadership and safety, and agricultural mechanical technology are included as a part of the instructional program. Each student is expected to design and participate in a supervised agricultural experience. Typical learning activities include hands on learning experiences consisting of performing basic principles of plant, soil, and animal sciences; studying and modeling the significance of humankind's interrelationship with soil, water, and air; participating in FFA (Future Farmers of America) activities. (CTE course)

### Environmental and Natural Resources

#### Management

Credit: 1 credit



The Environmental and Natural Resource Management course is designed to be an introductory course for the Environmental and Natural Resources pathway. The course is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes. Instruction also emphasizes such factors as the establishment, management, and operation of land for recreational purposes. Typical learning activities including constructing a model watershed; identifying and/or measuring the levels of air, water, noise, and solid waste pollution in a selected site; hands-on experiences with site analysis; evaluation of competing interests; analysis of biological and physical aspects of the environment and environment-related issues including methods of abating and controlling pollution; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA Activities. (CTE course)

### Wildlife Management



Prerequisite: Environmental and Natural Resources Management

Grades: 10-12

Credit: 1 credit

The Wildlife Science course is designed to teach technical knowledge and skills for entry-level positions in the conservation and/or management of wildlife enterprises. Typical instructional activities include hands on experiences with analyzing problems and developing site plans including the essential elements, concepts, and skills related to wildlife management; understanding basic ecological concepts; implementing habitat management practices; identifying wildlife and fish species; analyzing policies, laws and regulations, and using natural resources for outdoor recreation; participation in personal and community leadership development activities and planning and implementing a relevant supervised agricultural experience; and participating in FFA activities. (CTE course)

### Outdoor Recreation



Prerequisites: Environmental and Natural Resources Management

Grades: 10-12

Credit: 1 credit

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

### Introduction to Horticulture



Credit: 1 credit

The Introduction of Horticulture course is designed to be an introduction to the Horticulture pathway. It is recommended as a prerequisite for all other horticulture courses. This course includes organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises. Students will have the opportunity to develop their potential for leadership, personal growth, and career success through FFA. Students who satisfactorily complete this course with an overall grade of 85 are eligible for Technical Advanced Placement credit (TAP) at HGTC, TUF 172 Turf Management 1 (CTE course)

### Landscape Technology



Prerequisite: Intro. to Horticulture

Grades: 10-12

Credit: 1 credit

This course is designed to qualify students for completing the courses for job entry into landscaping fields or to continue advanced training in post high school education. A combination of subject matter and activities is designed to teach technical knowledge and skills for entry-level positions in selling, selecting, and servicing. (CTE course)

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## Agricultural Science Cont.

### Nursery, Greenhouse, and Garden Center Technology

Prerequisite: Intro. to Horticulture

Grades: 10-12

Credit: 1 credit



This course includes organized subject matter and practical experience related to the operation and management of a plant nursery, greenhouse, or a garden center. Instruction emphasized knowledge and understanding of the importance of establishing, maintaining, and managing "green industry" enterprises. (CTE course)

### Turf and Lawn Management

Prerequisite: Intro. to Horticulture

Grades: 10-12

Credit: 1 credit



This course is designed to teach technical knowledge and skills for entry-level positions in the turf/grass industry. The principles and practices involved in establishing, managing, and maintaining grassed areas for ornamental and/or recreational purposes are studied. (CTE course)

### Golf Course Technology

Prerequisite: Introduction to Horticulture

Grades: 10-12

Credit: 1 credit



Students are introduced to the fields of golf course and landscape technology. Emphasis is placed on career opportunities in the total horticultural field and development of knowledge, skills, abilities, and attitudes required for successful entry and advancement. Topics include orientation to horticultural occupations; principles of plant science; principles of soil science; ornamental plants; fertilizers and nutrition; pests and pesticides; water management; equipment usage and safety; new technologies; the game of golf; and entrepreneurship vs. employment. Student will have the opportunity to develop their potential for leadership, personal growth, and career success through FFA. Articulated advanced placement available with selected colleges. (2 semester course) (CTE course)

### Agricultural Education Internship

Prerequisite: Golf Course Technology and teacher recommendation

Credit: 1 credit

If you have completed Golf Course Technology and seek further experience and credit through work applications and special problems, this course is for you. Cooperative agreements and special programs will be developed between you, your teachers, parent(s)/guardian(s), school administration, and employers.

## Project Lead The Way (PLTW) Biomedical Program

### Principles of Biomedical Science (PBS)

Prerequisite: Biology

Credit: 1 credit

Level: Honors



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

### Human Body Systems (HBS)

Prerequisite: Principles of Biomedical Science

Credit: 1 credit

Level: Honors



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

### Medical Interventions (MI)

Prerequisite: Human Body Systems

Credit: 1 credit



Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options, and prevail when the organs of the body begin to fail. Through real world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. (CTE course)

### Biomedical Innovation (BI)

Prerequisite: Medical Interventions

Credit: 1 Credit

Level: Honors



In the final course of the PLTW Biomedical Science sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution. (CTE course)

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## Project Lead The Way (PLTW) Engineering Program

### Introduction to Engineering Design (IED)

Prerequisite: Algebra 1

Credit: 1 credit

**Level: Honors**



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

### Principles of Engineering (POE)

Prerequisite: Algebra I

Credit: 1 credit

**Level: Honors**



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

### Civil Engineering and Architecture (CEA)

Prerequisite: Principles of Engineering

Credit: 1 credit

**Level: Honors**



Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. (CTE course)

## Project Lead The Way (PLTW) Computer Science Program

### Cybersecurity



Prerequisite: Successful completion of a computer science

Credit: 1 credit

**Level: Honors**

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Students learn to identify cybersecurity threats and protect against them. Students will learn to detect intrusions, respond to attacks, This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyberinfrastructure that moves and processes information safely. Whether seeking a career in the emerging field of cybersecurity or learning to defend personal/company data, students in PLTW Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyber world. This course fulfills the computer science graduation requirement. (CTE course)

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