



Academic Opportunities Guide

2025-2026



Dear Parents and Students:

Positive changes are taking place throughout Florence 1 Schools.

Many of these changes are designed to open doors to new academic opportunities and experiences. It's why our slogan is "**Students First**."

Our goal is to help position every student for his or her own version of success.

By offering a valuable combination of required courses and modern electives, we're actively preparing all students for the evolving job market, and hopefully, inspiring them with new and interesting options.

This Academic Opportunities Guide contains expectations mandated by the State of South Carolina, such as high school diploma requirements, college entrance requirements, and career majors. It also outlines articulation credits. Use it as a tool to help customize your Graduation Plan and to help you think boldly about the direction of your future.

Steve Jobs once said, "The only way to do great work is to love what you do."

I look forward to supporting you on this academic journey. Together, **We Are 1**.

Respectfully,

Richard O'Malley

Dr. Richard O'Malley SUPERINTENDENT

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The mission of Florence One Schools is Students First! This publication is intended as an index of courses offered in Florence One Schools' high schools. Students must read this information carefully and be prepared to complete the Individual Graduation Plan (IGP). This catalog describes required and elective courses. Parents and students should inquire at the different high schools for additional course selections. **It is the responsibility of parents and students to be aware of graduation requirements.**

This course catalog should not be viewed as a contract, but as a guideline for parents and students. **Majors, programs, course offerings, and other information may be added and/or deleted by the district administration subject to new regulations or funding availability.**

MINIMUM GRADUATION REQUIREMENTS FOR THE STATE HIGH SCHOOL DIPLOMA

GRADUATION REQUIREMENTS 24 Carnegie Units (Credits)		PROMOTION REQUIREMENTS FOR EACH GRADE	
Subject	Units Required	Grade Level	Credits Required
English/Language Arts	4 units	To Tenth Grade English 1 (1 unit) Math (1 unit) Additional Credits (4 units)	6 Credits
Mathematics	4 units		
Science	3 units		
U.S. History and Constitution	1 unit		
Economics and Personal Finance	.5 unit		
U. S. Government	.5 unit		
Other Social Studies	1 unit		
Physical Education or ROTC	1 unit	To Eleventh Grade English 1 & 2 (2 units) Math (2 units) Science (1 unit) Social Studies (1 unit) Additional Credits (5 units)	12 Credits
Computer Science	1 unit		
World Language OR	1 unit		
Career and Technical Education			
Personal Finance	.5 unit	To Twelfth Grade	18 Credits
Electives	6.5 units		
TOTAL Credits required for graduation			
24 Units			

- Biology 1 is required as one of the Science Courses.
- A student must complete three or four units of elective credits in a specified program to complete a major. Units required in the core courses for graduation cannot be used to achieve the major.
- A student's Individual Education Plan (IEP) takes precedence over the Individual Graduation Plan (IGP).
- A half unit of Personal Finance is required for the graduating class of 2027.

It is the policy of Florence One Schools that no person, on the basis of race, color, religion, national origin or ancestry, age, sex, marital status, political affiliations, homelessness, sexual preference, disability, or disadvantage should be discriminated against, excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in any program or activity.

Three-Year Graduation Plan for High School Students

GRADUATION REQUIREMENTS 24 Carnegie Units(Credits)		Three Year Course Plan	
Mathematics	4 units	<u>Ninth Grade</u>	8 Credits
Science	3 units	English (1 unit)	
U.S. History and Constitution	1 unit	Math (2 units)	
Economics and Personal Finance	.5 unit	Lab Science (1 unit)	
U. S. Government	.5 unit	Social Studies (1 unit)	
		PE or ROTC (1 unit)	
		Leadership (1 unit)	
		Computer Science (1 unit)	
Other Social Studies	1 unit	<u>Tenth Grade</u>	16 Credits
Physical Education or ROTC	1 unit	English (2 units)	
Computer Science	1 unit	Math (1 units)	
World Language		Lab Science (1 unit)	
OR		United States History (1 unit)	
Career and Technical Education	1 unit	World Language or Career and Technical Course (1 unit)	
		Electives (2 units)	
Personal Finance	.5 unit	<u>Eleventh/Twelfth Grade</u>	24 Credits
Electives	6.5 units	English (1 unit)	
		Math (1 unit)	
		Lab Science (1 unit)	
		United States Government/Economics and Personal Finance (1 unit)	
		Electives (4 units to include .5 Personal Finance credit)	
TOTAL Credits required for graduation	24 Units		

- Biology 1 is required as one of the Science Courses.
- A student must complete three or four units of elective credits in a specified program to complete a major. Units required in the core courses for graduation cannot be used to achieve the major.
- A student's Individual Education Plan (IEP) takes precedence over the Individual Graduation Plan (IGP).
- A half unit of Personal Finance is required for the graduating class of 2027 and beyond.

General Course Information for Parents and Students

Course Load

Students in grades 9-11 are required to take eight (8) credit bearing courses.

Students in grade 12 are required to take a minimum of six (6) credit bearing courses--three(3) each semester.

All students are required to take an English and Math course during their senior year, additional courses and electives are available to meet this requirement.

Schedule Changes

Changes to a student's schedule may be requested for the following reasons only:

- A required course for graduation or promotion has been omitted from the schedule.
- Credit for the course has been earned previously, for example, during summer school or credit recovery.
- A student has not passed the prerequisite for the course
- All required courses are scheduled in the same semester or a similar hardship occurs.
- A transfer student requires a level change due to newly received information.
- The school has made an error.
- A newly documented medical condition makes a course unsuitable for a student.

All schedule changes must be requested by Friday before fall classes begin. After the first day of school, approval for a change must come directly from the principal. For spring schedule changes, they must be requested prior to the last day before Winter Break.

Class Withdrawal

- A student who withdraws from a course within three days of a 45-day course, five days within a 90-day course or ten days within a 180-day course will do so without penalty (WP).
- A student who withdraws from a course after the specified time (3, 5 or 10 days) will be assigned a WF. The F (50) will be calculated in the student's overall GPA.
- The 3, 5, 10-day limitation for withdrawing from a course without penalty does not apply to course or level changes initiated by the administration.

Retaking a Course for Initial Credit

- Only courses where a grade of "D" or "F" was earned can be retaken.
- The course in which the "D" or "F" was earned can only be retaken in the same academic year or no later than the next academic year.
- The student's transcript will reflect all courses taken and the grades earned.

Credit Recovery

- The school counselor in collaboration with school administration, parent, and teacher should initiate applications for credit recovery.
- To enroll in a Credit Recovery program, a student must have failed the same initial credit course within the same academic school year with a grade between 50-59.
- Credit Recovery is not available if a student fails for attendance. Students should complete Attendance Recovery.
- Students may enroll in a maximum of 2 credit recovery courses at one time (exceptions must be approved by the principal).
- Students may not be enrolled in a credit recovery course if they are simultaneously enrolled in the same course in a traditional classroom for initial credit.
- The duration of a credit recovery course is based on the content and skills a student must master. The pre-assessment administered by the digital courseware program will define the scope and sequence for the completion of the Credit Recovery course.

- Credit Recovery courses taken during semester one or two must be completed within one academic school year. Credit Recovery courses taken in a summer session must be completed by the Friday prior to school starting, to count in the current academic year.
- Student athletes **may not** take Credit Recovery for NCAA required coursework. Principals and/or Athletic Directors must communicate with SCHSL, NAIA and NCAA on matters pertaining to student athletic eligibility and credit recovery.

One exception to the above: Students taking courses for Carnegie units prior to entering the 9th grade year may retake these courses at the same difficulty level during their 9th grade year regardless of the grade that was earned. In this case **ONLY** one course attempt and the highest grade will be used in figuring the student's GPA; however, ALL course attempts from middle and high school will show on the transcript.

Athletic Eligibility

Athletic Eligibility considers academics, housing status, behavior, etc. The respective athletic director makes final determination of athletic eligibility at each school. For eligibility questions please contact your athletic director or refer to the SC High School League website: www.schsl.org

Graduation Information

All courses used to satisfy promotion requirements must meet South Carolina High School Diploma requirements. Only those students who pass all the units required for a diploma may participate in the commencement exercises held at the end of the school year. Special education students who meet all the requirements of their Individual Education Plan (IEP) but have not met the requirement for the SC State High School Diploma **are allowed** to participate in the commencement exercises and receive a certificate of achievement. All special education students should meet with their IEP teams to discuss the requirements for this certificate of achievement.

Honor Graduates*

Board of Trustees	4.5 and above
Double Cord	4.0 – 4.49
Single Cord	3.0 – 3.99

*Based on the SC State Uniform Grading Scale (UGS)

Grade Reporting

Report cards are issued at the end of each nine weeks. Interim reports are issued at the middle of each nine weeks to inform parents of the student's progress.

Grading System

As a part of the grading policy mandated by the state, consistent numerical breaks for grades, weightings for specified courses, and a conversion chart for computing grade point ratios were developed. The grading scale is shown below.

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

Class Rank

Class rank will be determined by ranking students' GPA from highest to lowest. Computations will not be rounded to a higher number. Class valedictorian will be the student with the highest GPA and the salutatorian will be the student with the second highest GPA. The official class rank will be determined at the conclusion of the senior year. Marshalls will be determined at the end of the third nine weeks of the junior year.

January Graduation

This is an option for students that complete all graduation requirements in the fall of the senior year. Interested students must make an appointment to meet with their counselor before the spring semester. The student and parent/guardian must submit an Early Graduation packet by October 1st of the senior year.

Please note the following:

1. Graduating early means the student has completed the requirements for a High School Diploma. This does not guarantee that the students have the courses needed to attend a four year college or university.
2. January graduates do not receive a final class rank.
3. The diploma will be awarded as soon as it is issued by the South Carolina Department of Education.
4. January graduates lose all privileges of being a student. The student will not be allowed on campus, unless by appointment. The student will not be allowed to attend prom, honors night, or any other senior activity at the school.
5. The student will be allowed to attend Spring Graduation practice and the ceremony.
6. The student will be allowed to enroll in a post secondary institution and receive all scholarships for which they are eligible.
7. It is up to the student to contact the vendor provided on the website for graduation supplies.

Early Graduation

Students that are interested in graduating in less than four years need to schedule an appointment with their school counselor in spring of the sophomore year. Students and Parents/Guardians must attend the meeting. It is important to understand that the student will have completed all requirements to graduate, it does not mean they have all courses required for entrance into a four year college or university.

Grade Point Average (GPA)

The South Carolina Uniform Grading Scale (UGS) and system for calculating GPA and class rank applies to **all** courses carrying Carnegie units, including those earned at the middle school level. All numerical grades (including FA, WF, and dual enrollment) will be calculated into the student's GPA.

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
0-50	F	0.000	0.000	0.000
50	WF	0.000	0.000	0.000
50	FA	0.000	0.000	0.000
-	WP	0.000	0.000	0.000
-	P	0.000	0.000	0.000
-	NP	0.000	0.000	0.000
-	AU	0.000	0.000	0.000

Designation of Course Levels

College Prep (CP)

The difficulty of the skills and concepts presented is generally at grade level.

Honors (H)

An honors course is intended for the student who exhibits superior ability in the course content area and places emphasis on critical and analytical thinking, rational decision-making and inductive and deductive reasoning.

Advanced Placement (AP)

These are college level courses. Enrolled students are required to take the appropriate advanced placement exam.

AP-Prep

AP-Prep courses will cover additional topics to prepare students for Advanced Placement (AP) courses and are open only to students registered for the corresponding AP subject course in the following semester.

International Baccalaureate (IB) – Wilson High School The International Baccalaureate Diploma Program is a rigorous college prep curriculum for self-motivated and achievement-oriented students. The IB Diploma Program is a two-year curriculum in which eleventh and twelfth grade students take courses and examinations from six groups of the IB curriculum.

IB Middle Years Program (MYP) – Williams Middle School and Wilson High School The IB MYP Program is an interdisciplinary curriculum for students in grades 6 -10 that provides the academic preparation for the International Baccalaureate Diploma Program.

Dual Credit (DC) Dual credit courses are defined as those courses for which the student may simultaneously receive a Carnegie unit and college credit. To enroll in these classes, students must meet minimum requirements determined by the college. *See your counselor for a list of approved dual credit courses and procedures.*

Individual Graduation Plan (IGP) Throughout a student's four years in high school, he/she will work to complete all the courses required for graduation. Students will look at many career options, then choose a cluster and a major. Students, parents, and counselors will work together to develop an Individual Graduation Plan (IGP) that will outline the classes the student will take each year. The student's IGP will include courses required for graduation, and electives needed to achieve their major. **This will be reviewed annually.**

Note: Majors, course offerings and other information may be added and/or deleted by the school administration subject to funding availability of FIS.

Minimum Four-Year College Preparatory Course**Prerequisite Requirements for Colleges and Universities in South Carolina:**

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

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

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

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

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

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

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

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

Minimum Requirements for Admission to South Carolina Technical Colleges:

- Applicants must possess a high school diploma or its equivalent or must be 18 years old to be considered for admission into curriculum programs and courses offered by the college.
- Technical Colleges use placement examinations to help students identify what level of courses will best fit into their educational plans. (Check the college for specific testing requirements)
- Additional information is available online at <http://www.sctechsystem.com>.

Parents and students should contact the admissions office of the college or university the student wishes to attend concerning course requirements for admissions.

NCAA Eligibility Considerations:

The National Collegiate Athletic Association (NCAA) has policies regarding athletic eligibility for Division I and Division II schools. The CORE GPA/Test Score Indices are available online. <http://www.eligibilitycenter.org>

- Student athletes who express a desire to attend NCAA/NAIA institutions must ensure that their course completion and transcripts meet NCAA/NAIA guidelines.
- At the school level, student athletes **may not** take Credit Recovery courses for any courses they did not successfully complete in Initial Credit since Credit Recovery as provided is not a full and complete instructional course of study.

South Carolina Merit Based Scholarships

Palmetto Fellows Scholarship Students can receive up to \$6,700 in the freshman year and up to \$7,500 for the sophomore, junior and senior years at an eligible four year college, university, or Two Years at a Two Year Institution/Technical College in South Carolina. **Students must meet the following requirements for Early Awards (Deadline is April 15th of Senior Year):**

- Score **1200** on SAT Critical Reading and Math, or **25** on ACT Composite*;
- **3.5** GPA on the SC UGP at the end of the junior year; and rank in the top **6%** of the class at the end of either the sophomore or junior year.

OR

- Score **1400** on SAT Critical Reading and Math, or **31** on ACT Composite*;
- **4.0** GPA on the SC UGP

Students must meet the following requirements for Late Awards (Deadline is June 15th after graduation):

- Score at least **1200** on the SAT (**25** on the ACT*) by the June national test administration of the senior year; earn a minimum **3.50** cumulative GPA on the SC UGP at the end of the senior year; and, rank in the top **6%** of the class at the end of the sophomore, junior or senior year;

OR

- Score at least **1400** on the SAT (**31** on the ACT*) by the June national test administration of the senior year and earn a minimum **4.00** cumulative GPA on the SC UGP at the end of the senior year.

The scholarship is renewable with a 3.0 GPA and 30 hours of credit from a college or university.

Palmetto Fellows Enhancement: Math or Science majors may receive up to an additional \$2,500 after successfully completing 14 hours in science and math in their freshman year at college or university.

Palmetto Fellows Scholarship recipients may not be a LIFE or HOPE scholar or receive Lottery Tuition Assistance

LIFE Scholarship (towards a two or four year degree) Students can receive up to **\$5,000** each academic year at a **four** year college or university OR up to the **cost of tuition** at a **two year** institution in South Carolina. Students must meet the following requirements:

- **3.0** cumulative GPA
- Rank in the top **30%** of the graduating class
- Score at least **1100** on the SAT Critical Reading and Math, or **22** on the ACT Composite*

OR

- **3.0** cumulative GPA is the **only requirement** at the two year or technical college.

LIFE Scholarship Enhancement: Math or Science majors may receive up to an additional \$2,500 after successfully completing 14 hours in science and math in their freshman year at a four year college or university

HOPE Scholarship (non-renewable)

Students can receive up to \$2,800 for the first year at an eligible four year institution in South Carolina. Students must meet the following requirements:

Reside in South Carolina at the time of high school graduation and college enrollment

- Earn a cumulative **3.0** GPA
- **Not** be a recipient of the Palmetto Fellows Scholarship, LIFE Scholarship or Lottery Tuition Assistance and meet all eligibility criteria.
- Students can qualify for a LIFE Scholarship with a **3.0** GPA after the first year of college with 30 hours attained.

* Beginning with the Class of 2022 the ACT can be Superscored. A Superscored ACT must be calculated by using the highest English, Math, Reading and Science subject scores and then add the four scores together. Divide the sum of the four scores by four. If needed, round to the nearest whole number. The ACT Superscore calculator can be found here: <https://cloud.e.act.org/superscore-calculator>.

Lottery Tuition Assistance

Students can receive funding each semester towards tuition **only** at any eligible technical college in South Carolina, any USC two-year regional campuses or Spartanburg Methodist College. Amount of funding is determined by the state each year. Students must meet the following requirements:

- Enrollment in a 2-year technical college
- Take a minimum of 6 credit hours per semester
- Maintain a 2.0 GPA after 24 hours of credit

More information on these and other financial aid opportunities can be found at the Commission on Higher Education web site: <http://www.che.sc.gov>

Phone: 803-737-2260 ~ Fax: 803-737-2297

The South Carolina Commission on Higher Education

1122 Lady Street, Suite 300

Columbia, SC 29201

Helpful Websites

Florence One Schools- www.f1s.org

SC Department of Education – <http://ed.sc.gov>

Commission on Higher Education – www.che.sc.gov

Test Preparation - www.testpreview.com

Advanced Placement - <https://apcentral.collegeboard.org/>

ACT – <http://www.actstudent.org/>

SAT – www.collegeboard.org

College, Career, and Scholarship Search-www.schoollinks.com

National Collegiate Athletic Association – www.ncaa.org

Financial Aid – www.fafsa.ed.gov

SC Virtual School – <https://virtualsc.org/>

Florence One Schools High School Assessments

Test	Objective
Advanced Placement (AP) Exams	AP Exams are designed to assess mastery of the content and skills covered in a specific AP course
Armed Services Vocational Aptitude Battery (ASVAB)	The ASVAB is used to determine qualification for enlistment in the U.S. military and assess an individual's skills and abilities for various military occupations.
ACCESS for ELLs	Students who have been identified as English-Language Learners are required to take ACCESS for ELLs® or Alternate ACCESS each spring.
College Entrance Exams	Students in the eleventh grade are offered the opportunity to take the ACT or the SAT college entrance assessment, at no cost to the students and parents. In the fall, twelfth grade students who did not take a ACT or SAT exam the previous year, have the opportunity to take one of the exams.
Career Readiness Assessment	A career readiness test administered to all eleventh-grade students to measure the most common skills that employers define as foundational for career readiness.
EOCEP	The End-of-Course Examination Program (EOCEP) is a statewide high school assessment program for English 2, Algebra 1, Biology 1, and United States History and counts for 20% of the student's course grade.
International Baccalaureate (IB) Exams	The International Baccalaureate (IB) assesses student work as direct evidence of achievement against the stated goals of the Diploma Programme courses.
LinkIt	LinkIt assessments help identify any areas where students may be struggling and need additional support, as well as celebrate their successes.
PSAT	Students in the tenth grade are offered the opportunity to take the PSAT, at no cost to the students and parents.
SchoolLinks	The SchoolLinks Career Interest Inventory helps students identify careers that align with their interests, skills, and preferences.

Career and Technical Education (CTE)

The South Carolina Education Improvement Act (EIA) requires occupational preparatory courses supported with state funds to be accountable in terms of the success of CTE students in obtaining jobs and remaining employed. The continued funding of CTE courses will depend upon the successful placement of graduates in jobs related to their occupational training. Therefore, it is important that students who are scheduled to fill allocations are those who desire CTE training. Guidance and counseling services provided in the schools are critical to the continued existence of the program offerings in the district.

Admissions Policies

Enrollment in CTE courses is determined by equipment availability, size of laboratory, curriculum content, and overall situations related to student safety.

Class Selection Procedure

If there are more applicants for CTE courses than there are spaces available, the Advantage Academy and the feeder high schools will follow procedures as outlined below:

Two-year preparatory program enrollment allocation/admission will be in the following priority order: 12th grade students (only if program completion in one year is optional), 11th grade students, 10th grade students, 12th grade students (if program completion in one year is not optional); 9th graders-limited availability

NOTE: Acceptance to the 2nd year of CTE programs will be based on program performance and teacher recommendation.

One-year preparatory programs enrollment allocation is as follows: 12th grade students, 11th grade students

Single period Course* allocation will be prioritized by 12th – 9th grade level retrogression as recommended by the course catalog.

*Exception: Students who have declared an occupational major in a job preparatory program based on that student's four-year high school instructional plan will receive priority placement. Also note that some program courses require applications (*See course prerequisites*).

The CTE allocation procedure will be reviewed annually. If it appears that students are being discriminated against and/or denied CTE educational services, then each student will be reviewed on an individual basis. The local high school will adhere to the same procedure in allocating students to classes that are taught within their building.

CTE Support Services

Disabled and disadvantaged students must receive the full range of programs, services and activities available to their peers. Florence One Schools provides the following supplemental services for special needs students enrolled in CTE programs.

Accommodations:

- Modification and adaptation of curriculum and material according to the disability and appropriateness to meet the student's individual needs
- Equipment modifications necessary for the student to participate in a CTE program
- Additional equipment appropriate and/or additional equipment that is essential for the successful participation of disabled and disadvantaged students in CTE programs
- Guidance and counseling services
- Job placement services
- Remedial services coordinated with the home school
- Special programs

Articulation Program

Florence-Darlington Technical College (FDTC) and other SC Technical Colleges recognize the value of CTE training received by the graduates of Florence One Schools and believe that this training qualifies students for advanced placement. These institutions have cooperatively established performance objectives and/or evaluation criteria to serve as guidelines in determining when students should be exempted from specified courses. A procedure has been established for articulation in several programs at all high schools and the Advantage Academy. Entry level for advanced placement is based on (a) the student's progress in completing course objectives, (b) the student's academic record, (c) a written recommendation and evaluation of the student's capabilities and achievements by the CTE instructor, and (d) an interview with the appropriate instructors. Articulated programs are noted in the course descriptions.

See your counselor or contact the Advantage Academy if you have questions.

Work-Based Learning Program Opportunities

Work-based learning (WBL) is a school coordinated, sponsored, coherent sequence of workplace experiences that are related to students' career goals and/or interests, are based on instructional preparation, and are performed in partnership with local businesses, industries or other organizations in the community. WBL enables students to apply classroom instruction in a real-world business or service-oriented work environment.

Shadowing: Job shadowing is a **short-term**, school coordinated career exploration in which the student is introduced to a particular job role or career by being paired, one-on-one with an employee at the worksite. The student “shadows” the employee for a specified time to better understand and observe work expectations and requirements of a variety of job tasks. On-site job shadowing does not provide any form of course credit.

Virtual job shadowing includes, but is not limited to the following: virtual tour of worksite with content provided, the capability to conduct question/answer exchanges, the overall quality of the site's features, and the length of the experiences. Product reflection is required from the student. Virtual shadowing site examples: MicroCareerbursts and VirtualShadow.org.

Service Learning: A method in which the student engages in community service work for a specified number of hours to gain developmental experience. Students and teachers cooperate with local leaders to address community problems and issues, resulting in student service to the community and development of personal, workplace-readiness, academic, and citizenship skills. With close adult supervision, students work on specific activities each week during or after school to develop work skills and life skills and learn how to behave in work situations.

School-Based Enterprises: Focus on the development of small businesses created, managed, and operated by students within the school setting. These ventures support the development of academic, technical, and entrepreneurial skills in an applied academic environment. Enterprises may be undertaken on or off the school grounds. **Mentoring:** This experience engages a student with an employee who possesses workplace skills and knowledge to be mastered by the student. The mentor instructs the student, critiques the performance of the student, challenges the student to perform well, and works in consultation with classroom teachers and the employer of the student. The relationship generally lasts **one year**, with the mentor maintaining occasional contact with the protégé for an additional one to two years.

Internship: A progressive, school-coordinated experience that places students in real workplace environments so that they develop and practice career-related knowledge and skills needed for a specific job level. An internship provides hands-on experience in a particular industry or occupation related to a student's career interests, abilities, and goals. Internships consist of 40 to 120 hours. CTE students who complete their program of study can earn one high school Carnegie unit for completing a 120-hour internship. Students should talk to their CTE instructor or Advantage Academy Business Education Coordinator for details.

Cooperative Education: A structured training program for high school level students requiring a written contract and training plan between the high school and sponsored worksite. The program coordinates secondary studies with a job role in a field related to the academic and/or technical education objectives. The written training and evaluation plans guide workplace activities in coordination with classroom instruction. Students receive course credit for their Co-Op completion. Academic credit, compensation, and activities are district specific and may vary during graduation.

Youth Apprenticeship: A structured program giving youth (16 years or older), an opportunity to earn while they learn. This forward-focus program combines classroom instruction with one to two years of on-the-job training with an end result in a “certification of mastery of a specific technical skill.” A youth apprenticeship may matriculate to a registered apprenticeship after high school. High school completion is a requirement of the program.

Planning for Careers

Florence One Schools is committed to providing the best education for all its students. Therefore, the district is continually updating its curriculum to meet the challenges of an ever changing society and world of work. Every student in grades 8–12 is required by the Education and Economic Development Act of 2005 (EEDA) to complete an Individual Graduation Plan (IGP). **This plan is to be reviewed and updated annually.** Career Cluster courses help students acquire the knowledge and skills needed to reach career goals. Our district offers many electives recommended for self-enrichment. Students should select a major which will enable them to focus on an area of interest.

Florence One Schools offer three different schools of study:

- School of Business, Marketing, Finance, and Information Technology
- School of Engineering, Manufacturing, Science, and Technology
- School of Health, Science, Education, and Human Services

The purpose of choosing a Career Cluster in the 8th grade and a Career Major in the 9th or 10th grade for the Individual Graduation Plan (IGP) is to promote students' awareness and exploration of career opportunities related to the various career clusters and majors and to focus elective credits. While the process of selecting a cluster and major is required for 8th and 9th grade students in South Carolina by state law (EEDA), completion of the IGP major is *recommended*, not required for graduation.

South Carolina's Career Clusters

Agriculture, Food & Natural Resources: Processing, production, distribution, financing, and development of agricultural commodities and natural resources

Architecture & Construction: Designing, managing, building, and maintaining the built environment

Arts, A/V Technology & Communications: Creating, exhibiting, performing and publishing multimedia content

Business, Management & Administration: Organizing, directing and evaluating functions essential to productive business operations

Education & Training: Providing education and training services and related learning support services

Finance: Planning finances and investments and managing banking, insurance, and business finances

Government & Public Administration: Executing governmental functions at the local, state and federal levels

Health Science: Providing diagnostic and therapeutic services, health informatics, support services and biotechnology research and development

Hospitality & Tourism: Managing restaurants and other food services, lodging, attractions, recreation events, and travel-related services

Human Services: Providing for families and serving human needs

Information Technology: Designing, supporting, and managing hardware, software, multimedia and systems integration

Law, Public Safety & Security: Providing legal, public safety, protective, and homeland security services

Manufacturing: Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Marketing, Sales & Service: Performing marketing activities to reach organizational objectives

Science, Technology, Engineering & Mathematics: Performing scientific research and professional technical services

Transportation, Distribution & Logistics: Managing movement of people, materials, and goods by road, pipeline, air, rail and water

FIS CTE Completer Pathways**BUSINESS MANAGEMENT & ADMINISTRATION****General Management-520201**

- Accounting 1 (Required)
- Entrepreneurship (Required)
- Accounting 2*
- Fundamentals of Web Page Design*
- Marketing*
- Social Media Marketing*
- Business Finance

FINANCE**Accounting-520301**

- Accounting 1 (Required)
- Accounting 2 (Required)
- Business Finance*
- Entrepreneurship*
- Securities & Investments

Business Finance-520804

- Accounting 1 (Required)
- Business Finance (Required)
- Entrepreneurship*
- Marketing*
- Securities & Investments*
- Accounting 2

Securities & Investments-520807

- Business Finance (Required)
- Securities & Investments (Required)
- Accounting 1*
- Entrepreneurship*
- Marketing*
- Accounting 2

HOSPITALITY & TOURISM**Culinary Arts Management-520905**

- Culinary Arts Management 1 (Required)
- Culinary Arts Management 2 (Required)

Hospitality & Tourism-520904

*Note: Must take "Required" and Choose one (R) course plus additional 1-2 courses depending on * (asterisk)*

- Intro to Hospitality & Tourism MGT(Required)
- Event /Entertainment MGT (R)*
- Lodging Management (R)*
- Travel and Tourism Management (R)*
- Sports Management (R)*
- Culinary Arts Management 1 (R)*
- Accounting 1
- Entrepreneurship
- Fundamentals of Web Page Design
- Sports Marketing

INFORMATION TECHNOLOGIES**Computer & Information Systems****Security/Information****Assurance-111003**

- Advanced Cyber Security (Required)
- Cyber Security Fundamentals (Required)
- Advanced Networking
- AP Computer Science Principles
- Fundamentals of Computing
- Networking Fundamentals
- PLTW Cybersecurity

Networking Systems-110901

- Advanced Networking (Required)
- Networking Fundamentals (Required)
- Cyber Security Fundamentals*
- Entrepreneurship*
- Fundamentals of Computing*
- Fundamentals of Web Page Design*
- PLTW Cybersecurity*
- AP Computer Science Principles*
- Advanced Cyber Security
- Advanced Web Page Design
- Intro to Computer Programming
- Intermediate Computer Programming
- Game Design & Development

Programming & Software**Development-110201**

- Intro to Computer Programming (Required) Formerly: Comp Prog 1
- Intermediate Comp Programming (Required) Formerly: Comp Prog 2
- Cyber Security Fundamentals*
- AP Computer Science Principles*
- Fundamentals of Computing*
- Fundamentals of Web Page Design*
- Networking Fundamentals*
- PLTW Cybersecurity*
- Game Design & Development*
- Advanced Cyber Security
- Advanced Web Page Design
- Entrepreneurship

Web & Digital Communications-110801

- Fund of Web Page Design (Required)
- Adv Web Page Design & Dev (Required)
- Cyber Security Fundamentals*
- AP Computer Science Principles*
- Fundamentals of Computing*
- Networking Fundamentals*
- PLTW Cybersecurity*
- Social Media Marketing*
- Game Design & Development*
- Intermediate Computer Programming
- Introduction to Computer Programming
- Entrepreneurship

MARKETING, SALES & SERVICE**Marketing Communications-090903**

- Advertising (Required)
- Marketing (Required)
- Accounting 1*
- Entrepreneurship*
- Fundamentals of Web Page Design*
- Social Media Marketing*
- Sports Marketing*
- Advanced Web Page Design

Marketing Management-521401

- Marketing (Required)
- Sports Management (Required)
- Accounting 1*
- Accounting 2*
- Business Finance*
- Entrepreneurship*
- Intro to Hospitality & Tourism*
- Social Media Marketing*
- Sports Marketing*
- Advertising
- Event and Entertainment Management

**TRANSPORTATION, DISTRIBUTION,
& LOGISTICS****Automotive Collision Repair -470603**

- Automotive Collision 1 (Required)
- Automotive Collision 2 (Required)
- Automotive Collision 3
- Automotive Collision 4

Automotive Technology-470604

- Automotive Technology 1 (Required)
- Automotive Technology 2 (Required)
- Automotive Technology 3
- Automotive Technology 4

**AGRI, FOOD, & NATURAL
RESOURCES****Horticulture--010601**

- Intro to Horticulture (Required)
- Sports Turf Management (Required)
- Agricultural Science & Tech for the Workplace (Required)

Plant and Animal Systems-011101

- Agricultural Science & Tech for the Workplace (Required)
- Farm Animal Production (Required)
- Animal Science (Required)

ARCHITECTURE & CONSTRUCTION**Building Construction Cluster-460000**

- Building Construction 1 (Required)
- Building Construction 2 (Required)
- Building Construction 3
- Building Construction 4

Electrical Line Worker-460303

- Electrical Line Worker 1 (Required)
- Electrical Line Worker 2 (Required)
- Electrical Line Worker 3
- Electrical Line Worker 4

Electricity-460301

- Electricity 1 (Required)
- Electricity 2 (Required)
- Electricity 3
- Electricity 4

HVAC Technology-470201

- HVAC Technology 1 (Required)
- HVAC Technology 2 (Required)
- HVAC Technology 3
- HVAC Technology 4

Plumbing -460503

- Plumbing 1 (Required)
- Plumbing 2 (Required)
- Plumbing 3
- Plumbing 4

**ARTS, A/V TECH &
COMMUNICATIONS****Digital Art & Design-500402**

- Digital Art & Design 1 (Required)
- Digital Art & Design 2 (Required)
- Digital Art & Design 3
- Digital Art & Design 4

MANUFACTURING**Mechatronics Integrated
Technologies-150404**

- Mechatronics 1 (Required)
- Mechatronics 2 (Required)
- Mechatronics 3
- Mechatronics 4
- PLTW Intro to Engineering
- PLTW Principles of Engineering

Welding Technology-480508

- Welding Technology 1 (Required)
- Welding Technology 2 (Required)
- Welding Technology 3
- Welding Technology 4

STEM**Aviation Technology-(1400IN)**

- Aviation 1 (Required)
- Aviation 2 (Required)
- Aviation 3
- Aviation 4

Pre-Engineering (PLTW)-140101

- PLTW Intro to Engineering (Required)
- PLTW Principles of Engineering (Required)
- PLTW Aerospace Engineering
- PLTW Civil Engineering & Architecture

EDUCATION AND TRAINING**Early Childhood Education-131210**

- Early Childhood Education 1 (Required)
- Early Childhood Education 2 (Required)
- Child Development 1
- Child Development 2
- Entrepreneurship
- Family & Consumer Sciences 1
- Family & Consumer Sciences 2
- Family Life Education 1
- Health Science 1
- Introduction to Teaching 1

HEALTH SCIENCE**Biomedical Science-260102**

- PLTW Human Body Systems (Required)
- PLTW Prin of Biomedical Sci (Required)
- Health Science (Hum,Struc, Func & Dis)*
- PLTW Medical Interventions*
- Medical Terminology*
- Emergency Medical Services 1
- Emergency Medical Services 2
- Health Science 1
- Health Science 2
- Pharmacology for Medical Careers
- PLTW Biomedical Innovation
- Sports Medicine 1
- Sports Medicine 2

Emergency Medical Services-510999

- Emergency Medical Services 1 (Required)
- Emergency Medical Services 2 (Required)
- Emergency Medical Services 3*
- Health Science (Hum,Struc, Func & Dis)*
- PLTW Human Body Systems*
- Medical Terminology*
- Health Science 1
- Health Science 2
- Pharmacology for Medical Careers
- PLTW Principles of Biomedical Science
- Sports Medicine 1
- Sports Medicine 2

Health Science-510000

- Health Science 1 (Required)
- Health Science 2 (Required)
- Health Science (Hum,Struc, Func & Dis)*
- Health Science Clinical Study* (2 crhrs)
- Medical Terminology*
- PLTW Human Body Systems*
- Emergency Medical Services 1
- Emergency Medical Services 2
- Pharmacology for Medical Careers (2 crhrs)
- Sports Medicine 1
- Sports Medicine 2
- PLTW Prin of Biomedical Science

Sports Medicine-310505

- Sports Medicine 1 (Required)
- Sports Medicine 2 (Required)
- Health Science (Hum,Struc, Func & Dis)*
- PLTW Human Body Systems*
- Sports Medicine 3*
- Medical Terminology*
- Emergency Medical Services 1
- Emergency Medical Services 2
- Health Science 1
- Health Science 2
- Pharmacology for Medical Careers
- PLTW Principles of Biomedical Sciences

HUMAN SERVICES**Barber/Master Hair Care-120402**

- Barber/Master Hair Care 1 (Required)
- Barber/Master Hair Care 2 (Required)
- Barber/Master Hair Care 3 (Required)
- Barber/Master Hair Care 4

Cosmetology-120401

- Cosmetology 1 (Required)
- Cosmetology 2 (Required)
- Cosmetology 3 (Required)
- Cosmetology 4

Family & Consumer Science-190101

Note: Minimum of two courses below with (R) Plus 1-2 additional courses

- Child Development 1 (R)*
- Child Development 2 (R)*
- Family & Cons Sci 1 (R)*
- Family & Cons Sci 2 (R)*
- Family Life Education 1(R)*
- Culinary Arts Management 1*
- Early Childhood Education 1*
- Intro to Hospitality & Tourism MGT*
- Introduction to Teaching 1*
- Fundamentals of Computing*
- Entrepreneurship

CTE Pathway Key: * Asterisks; course can be used towards 3-unit completer status

Note: Programs require 4 units to be a completer with the following exceptions:

- Students may be a 3-unit completer if they complete the two required courses and one course with an asterisk *.
- Cosmetology and Barbering require 8-units to be completer.

Students are considered "Concentrators" when they complete the two required courses. Concentrators for Barbering and Cosmetology must take three required courses.

Non-CTE Pathways Follow

*(Please note that **non-CTE** pathways **do not** count towards career readiness and only serve as a guide for course planning with example courses for IGP/EEDA Purposes. Students do not receive completer certificates or completer cords for these pathways)*

Education and Training (Non-CTE)

- Family & Consumer Science, Early Childhood Ed pathway courses
- Social Sciences (Psychology, Sociology)
- Teacher Cadets
- AP, IB, MYP Social Studies
- Advanced level English, Math, Social Studies, Sciences
- English Electives

Military Technologies (Non-CTE)

- JROTC Courses

Pre-Med and Nursing (Non-CTE)

- Advanced Biology, Chemistry, Anatomy Courses
- Health Sciences, Sports Medicine, EMS, Biomedical Courses

Social Science (Non-CTE)

- AP Social Studies Courses
- Psychology and/or Sociology
- Social Studies Electives

Legal Studies (Non-CTE)

- Psychology
- Sociology
- Law Education
- Creative Writing
- Advanced Social Studies Courses

Engineering Science (Non-CTE)

- Chemistry 1 or above
- Engineering courses
- Pre-Cal, Diff Calculus or Higher
- Physics 1 H or Higher

Biology (Non-CTE)

- Biology courses higher than Bio 1
- Physics or higher
- Pre Calculus or higher

Chemistry (Non-CTE)

- Chemistry 1 or higher
- AP or IB Science Courses
- AP Calculus

Mathematics (Non-CTE)

- Courses higher than Algebra 2 with Probability
- Accounting 1 & 2
- Teacher Cadet

The International Baccalaureate Diploma Program

The **International Baccalaureate (IB) Diploma Program** is an internationally recognized, rigorous academic curriculum for self-motivated and achievement-oriented students. The IB Diploma Program is a **two-year curriculum** in which **eleventh** and **twelfth** grade students take courses and examinations from the six groups of the IB curriculum. To earn the IB Diploma, students must take 3 HL courses, 3 SL courses, and complete TOK and the Extended Essay. Students may elect to take a pair of IB courses along with career, dual enrollment, or AP courses to earn certificates. Successful performance on the IB examinations may enable students to receive college credits for work completed in high school. Since the IB exams require high levels of achievement and preparation, students should enroll in preparatory courses before eleventh grade. Students can participate in the **IB Middle Years Program (MYP)** in the **sixth** and **eighth** grades at Williams Middle School and in **ninth** and **tenth** grades at Wilson High School. Students who live in Florence One Schools must apply and if necessary transfer schools to participate in the IB Middle Years Program or the IB Diploma Program. The school district provides transportation to Williams and Wilson for students not living in the Williams/Wilson attendance zone.

Students interested in the International Baccalaureate Program should contact the IB coordinator at Wilson High School or Williams Middle School to get an application for admission into the program. Information and applications are also available at the F1S IB website: www.f1s.org/ib

IB Diploma Program at Wilson High School

	Grade 9 IB MYP	Grade 10 IB MYP	Grade 11 IB DP	Grade 12 IB DP
Group 1: Language A	MYP English 2 H	MYP English 3 H	IB English Literature HL 1	IB English: Literature HL 2
Group 2: Language B	MYP Spanish 2 H MYP German 2 H	MYP Spanish 3 H MYP Spanish 4 H MYP German 3 H MYP German 4 H	IB Spanish B SL IB German B SL	
Group 3: Humanities	MYP American Gov't & MYP Personal Finance AP Government	MYP US History AP US History	IB History of Americas HL 1 IB Global Politics SL or HL 1 IB Philosophy SL or HL 1	IB History of Americas HL 2 IB Global Politics SL or HL 2 IB Philosophy SL or HL 2
Group 4: Sciences	MYP Biology 1 H	MYP Chemistry 1 H	IB Biology 1 HL IB Biology SL 1 IB Physics SL 1	IB Biology 2 HL IB Biology SL 2 IB Physics SL 2
Group 5: Mathematics	MYP Algebra 1 MYP Algebra 2 with Probability H	MYP Pre-Calculus H MYP Stats & Modeling	IB AP Statistics IB Analysis Approaches 1 SL Diff Calc / AP Calculus	IB Applications and Interpretations SL IB Analysis and Approaches 2 SL or HL
Group 6: The Arts	MYP Art 2 H	MYP Art 3 H	IB Visual Arts SL or HL 1	IB Visual Arts SL or HL 2
Core			Theory of Knowledge 1 Extended Essay H 1	Theory of Knowledge 2 Extended Essay H 2

Advanced Placement Capstone

Florence One offers the AP Capstone at West Florence, a College Board program focused on helping students to develop independent research, collaborative teamwork, and communication skills. AP Capstone consists of two interdisciplinary courses, AP Seminar and AP Research, designed to complement the discipline-specific content covered in other AP courses. Students typically take AP Seminar in grade 10 or 11, followed by AP Research. 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, a nationally recognized credential issued by the College Board and widely recognized in the college-admissions process.

The College Board issues a number of awards to students who excel on AP exams. These awards and their criteria are as follows:

AP Scholar: Granted to students who receive scores of 3 or higher on three or more AP Exams

AP Scholar with Honor: Granted to students who receive an average score of at least 3.25 on all AP Exams taken, and scores of 3 or higher on four or more of these exams

AP Scholar with Distinction: Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams

State AP Scholar: Granted to the one male and one female student in each U.S. state and the District of Columbia with scores of 3 or higher on the greatest number of AP Exams, and then the highest average score (at least 3.5) on all AP Exams taken

National AP Scholar: Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, and scores of 4 or higher on eight or more of these exams

Advanced Placement Course Offerings in Florence One

AP Art and Design

AP English Language and Composition

AP English Literature and Composition

AP Research

AP Seminar

AP Comparative Government and Politics

AP European History

AP Human Geography

AP Macroeconomics

AP Psychology

AP United States Government and Politics

AP United States History

AP World History

AP Calculus AB

AP Calculus BC

AP Statistics

AP Computer Science Principles

AP Biology

AP Chemistry

AP Environmental Science

AP Physics

West Florence STEM Program Requirements:

To qualify for recognition as a STEM Scholar, and receive a STEM diploma at graduation along with the recommendations/applications for colleges and scholarships the STEM student shall:

1. Attain eight STEM credits from the approved courses list above
 - a. Each Honors/AP/dual credit course from the approved list is a single STEM credit.
 - b. The final grade in the class must be 80 or above to count as a STEM credit.
2. Successfully complete a Fall portfolio project each year the student is enrolled in the magnet program.
3. Successfully complete a portion of the STEM Capstone project each year the student is enrolled in the magnet program.
4. Complete at least one day of job shadowing by the end of the student's Junior year in the STEM magnet program.
5. Respond to all electronic notifications and requests regarding STEM from school email and/or Google Classroom within given timelines.
6. Maintain high standards of behavior and ethics.
 - a. A student may be removed from STEM based on behavior or actions deemed inappropriate or in violation of the school administration's discipline code.

To receive the designation STEM Scholar with Honors, STEM students must receive at least 14 STEM credits including one research credit (AP Research) along with the other requirements above.

STEM Hands-On Experiences Requirements:

The student's capstone project must:

1. Address a way to improve society using STEM
2. Include student-led research to provide supporting evidence as to how the student's creation will improve our world
3. Include either a prototype, video, app, research paper, design, or other supporting items to bring the project to life
4. Be presented with a research board at the Senior STEM Symposium



WEST FLORENCE HIGH SCHOOL STEM

SCIENCE - TECHNOLOGY - ENGINEERING - MATH

APPROVED COURSE OFFERINGS

ENGLISH

- English 2 G/T STEM
- English 3 G/T STEM
- English 4 G/T STEM
- AP Language & Composition
- AP Literature & Composition

MATH

- Geometry G/T STEM
- Algebra 2 w/ Probability G/T STEM
- Pre-Calculus G/T STEM
- AP Statistics
- AP Calculus AB
- AP Calculus BC

SCIENCE

- Biology I HN STEM
- Chemistry I HN STEM
- Physics HN STEM
- AP Biology
- AP Chemistry
- AP Physics

SOCIAL STUDIES

- AP Human Geography
- AP European History
- AP US History
- AP US Government
- AP Macroeconomics

STEM REQUIRED

- AP Seminar (*Sophomores*)
- AP Research (*Juniors*)

STEM ELECTIVES

- Drone Aviation HN
- Coding & Video Game Design HN
- Clean Energy Systems 1 HN
- Clean Energy Applications 2 HN
- Aviation Technology (AA)
- Certified Nursing Assistant (AA)
- Health Science Work-Based (AA)
- Pharmacy Technician (AA)

STEM TRACK PROGRAM COURSES

BIOMEDICAL SCIENCE

- Principles of Biomedical Science HN
- Human Body Systems HN
- Medical Interventions HN
- Biomedical Innovations HN
- Health Science Work Based HN
- Sports Medicine 1 HN
- Sports Medicine 2 HN
- Sports Medicine 3 HN



ENGINEERING

- Introduction to Engineering HN
- Principles of Engineering HN
- Civil & Architectural Engineering HN
- Aerospace Engineering HN
- Digital Electronics HN
- Mechatronics HN (AA)

TECHNOLOGY

- Computer Programming 1 HN
- Computer Programming 2 HN
- Coding & Video Game Design H
- Cyber Security HN
- AP Computer Science



South Florence High School

The Florence 1 Center For The Arts

Florence 1 Center for the Arts at South Florence High School



Choral Music

Chorus 1- 8 Honors
Dual Credit Choral Music
Choir
Chamber Choir
Show Choir



Instrumental Music (Strings)

Orchestra 1- 4 Honors
Guitar
Piano 1 - 4 Honors / Dual Credit
Orchestra
Chamber Orchestra
Applied Lessons



Dance

Dance 1- 8 Honors
Dual Credit Dance
Various Styles
Beginner to Advanced
Senior Project



Music Theory & Appreciation

Music Appreciation Dual Credit



Digital Media Production

Music Technology 1 - 4 Honors
Digital Photography Honors
Video / Broadcasting 1- 4 Honors (F&S)
State-of-the Art Video & Recording Studios
Portrait Photography Studio

Theatre Arts

Theatre Arts 1 - 4 Honors
Technical Theatre Arts 5 Honors / Dual Credit
Comprehensive Theatre Study
Acting, Stagecraft, Directing
Production Design, Management, & Technology



Instrumental Music (Band)

Band 1-8 Honors / Dual Credit
Symphonic / Marching Band
Jazz Band
Percussion Ensemble
Applied Lessons



Visual Arts

AP: 2D Art & Design
AP: 3D Art & Design
AP: Drawing
Advanced Studio Art H (AP Prep)
Art 1-4 H
Ceramics & Pottery I & II H
Digital Art I & II H
Drawing Digital I & II H
Painting I & II H
3D Design 1 & 2 Honors



Pottery/Ceramics Studio
Digital Art Lab

* Contact SFHS for DE course availability. Participation in festivals, competitions, and extracurricular rehearsals is required. Prerequisites and audition requirements are detailed in this guide and on the SFHS arts webpage.

southflorence.fl1s.org/fl1ca

Florence One Business Academy

Beginning in the Fall of 2025, we are excited to offer a diverse range of Business Pathways through the Florence One Business Academy at Wilson High School. These pathways are specifically designed to equip students with the skills, knowledge, and hands-on experience necessary to succeed in today's dynamic business world. Whether you're interested in accounting, banking, business finance, marketing management, marketing analytics, merchandising, or securities and investments, our comprehensive programs provide an in-depth exploration of these key business disciplines. Students can begin applying in the 8th grade and start the program in the 9th grade. For 9th and 10th graders, the academy will offer virtual job shadowing and service learning opportunities. For 11th and 12th graders, students will have access to job shadowing in person and work-based learning experiences, allowing them to gain invaluable real-world exposure. Additionally, students in this program will have the opportunity to earn nationally recognized credentials related to their chosen field of study.



Explore the pathways below to discover which one aligns with your career aspirations and goals.

(* indicates courses for three unit completer pathways)

Accounting

Accounting 1 (Required)
 Entrepreneurship (Required)
 Accounting 2*
 Fundamentals of Web Page Design*
 Marketing*
 Social Media Marketing*
 Business Finance

Banking Services

Banking Services (Required)
 Business Finance (Required)
 Accounting 1*
 Entrepreneurship
 Marketing*
 Securities and Investments

Business Finance

Accounting 1 (Required)
 Business Finance (Required)
 Entrepreneurship*
 Marketing*
 Securities and Investments*
 Accounting

Marketing Management

Marketing (Required)
 Sports and Entertainment Management (Required)
 Accounting 1*
 Business Finance*
 Entrepreneurship*
 Social Media Marketing*
 Sports and Entertainment Marketing*

Marketing Analytics

Marketing (Required)
 Marketing Analytics (Required)
 Accounting 1*
 Entrepreneurship*
 Social Media Marketing*
 Advertising
 Sports and Entertainment Marketing

Merchandising

Marketing (Required)
 Merchandising (Required)
 Entrepreneurship*
 Advertising*
 Accounting 1*
 Fundamentals of Web Page Design and Development*
 Advanced Web Page Design and Development

Poynor School of Healthcare Innovation

Florence One Schools is excited to announce the opening of the Poynor School of Healthcare Innovation in January 2026. This school is designed for students who are eager to pursue careers in healthcare immediately after high school or college. At the Poynor School of Healthcare Innovation, students will have the opportunity to explore a wide range of pathways, including Biomedical Sciences, Emergency Medical Services, Health Science, and Sports Medicine. In addition to their coursework, students can earn nationally recognized certifications in areas such as



Emergency Medical Technician (EMT), Certified Nursing Aide (CNA), Pharmacy Technician, and Personal Training, among others. Students will apply for their program of study during their 10th grade year, with their chosen program beginning in the fall of their 11th grade year. Students should see their counselor for more information.

The following pathways and courses will be offered in the opening semester of the Poynor School of Healthcare Innovation, with an expanded selection of courses set to be introduced in the 2026-2027 school year.

Biomedical Sciences-

Project Lead the Way

PLTW – Human Body Systems(Required)
 PLTW – Principles of Biomedical Sciences(Required)
 PLTW – Biomedical Innovation
 PLTW – Medical Interventions*
 Health Science – Human Structure, Function & Disease*
 Health Science Internship-Work Based Credit

Emergency Medical Services

Emergency Medical Services 1(Required)
 Emergency Medical Services 2(Required)
 Emergency Medical Services 3*
 Health Science Human Structure, Function, and Disease*
 PLTW-Human Body Systems*
 PLTW Principles of Biomedical Sciences
 Health Science Internship-Work Based Credit

Health Science

Health Science 1(Required)
 Health Science 2(Required)
 Health Science Human Structure, Function, and Disease*
 Health Science Clinical Study*(CNA)
 PLTW-Human Body Systems*
 PLTW-Principles of Biomedical Sciences
 Health Science Internship-Work Based Credit
 Sports Medicine 1
 Sports Medicine 2

Public Health

Foundations of Public Health(Required)
 Advanced Principles of Public Health(Required)
 Health Science 1*
 Principles of Biomedical Science*
 Health Science 2
 Health Science Human Structure, Function, and Disease

Sports Medicine

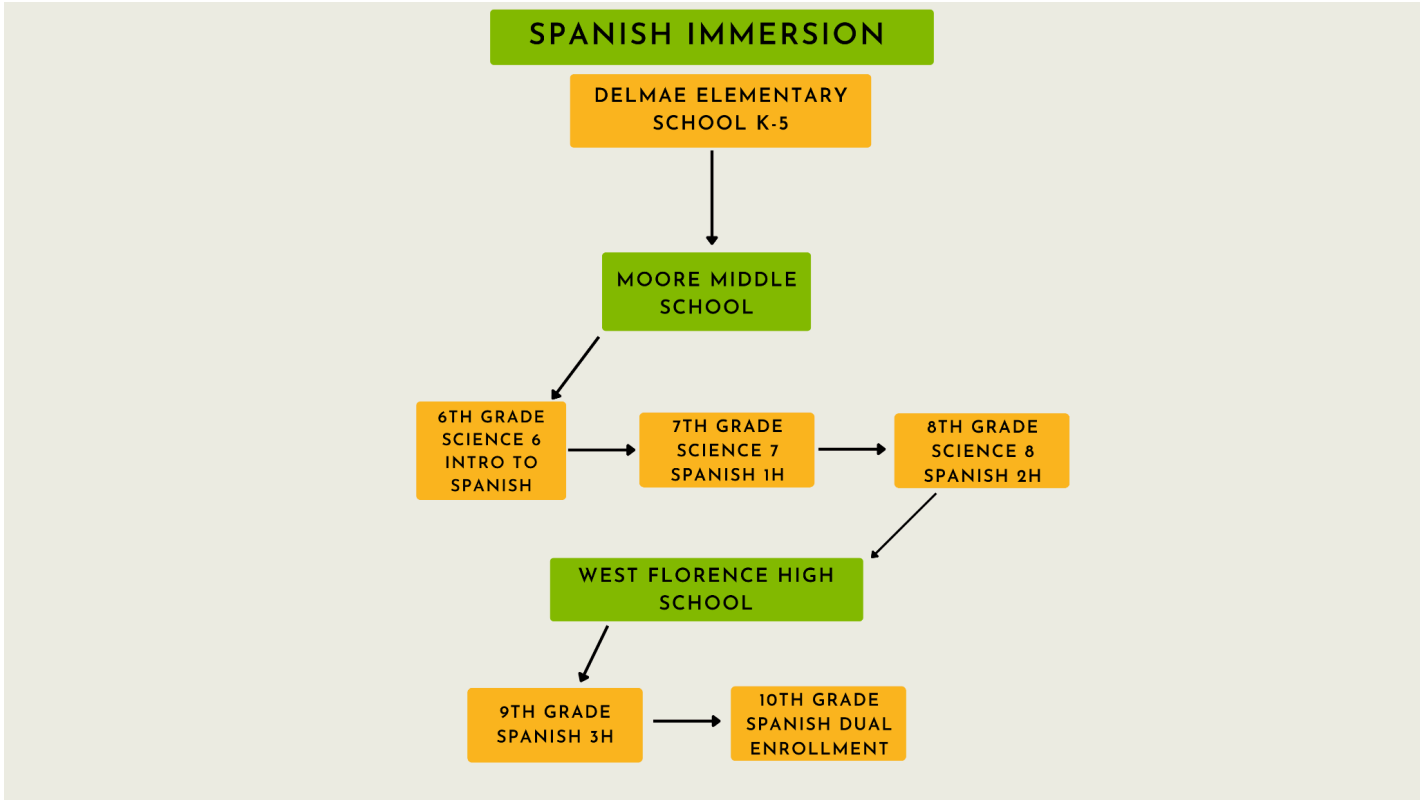
Sports Medicine 1(Required)
 Sports Medicine 2(Required)
 Sports Medicine 3*
 Sports Medicine Internship, Work-Based Credit
 Health Science Human Structure, Function, and Disease*
 Health Science 1
 Health Science 2
 PLTW-Human Body Systems*
 PLTW Principles of Biomedical Science



Florence One Schools Spanish Immersion Program

The Spanish Language Immersion Program began at Delmae Elementary School in the fall of 2016, making it the first program of its kind in Florence One. Students have the unique opportunity to grow with the program throughout their years at Delmae Elementary, Moore Middle School, and now West Florence High School, gradually becoming fluent in both English and Spanish. As the program progresses, students will continue their language development all the way through 10th grade in high school, culminating in the opportunity to take the exam for the Seal of Bi-Literacy.

The chart below outlines the progression of the Spanish Language Immersion Program from Delmae Elementary School, through Moore Middle School, and continuing to West Florence High School.



Dual Enrollment Opportunities with Florence One Schools

Florence One Schools has developed eight partnerships for students at our high schools. We now have Dual Enrollment opportunities with Coker University, College of Charleston, Columbia International University, Francis Marion University, South Carolina State, and Winthrop University for General Education courses. To take Dual Enrollment the following criteria must be met:

- Students and Parents/Guardians must sign the Dual Enrollment Agreement in the PowerSchool portal under General Forms. This outlines the repayment and grading procedures for Dual Enrollment.
- Be a Junior or Senior.
- Have a 3.0 GPA on the SC Uniform Grading Scale.
- Have completed three high school English courses and four high school Math courses to take a college level English or Math.
- Have completed three high school lab Science courses to take a college level Science.
- Have completed United States History at the high school level prior to taking History 101 or History 102 with a partner college.
- Have a meeting with the Counselor at their high school when choosing a Dual Enrollment Partner. This ensures that the department is aware the student is pursuing Dual Enrollment courses. If the student and their parent/guardian make the decision to take courses outside of a Partner College, the courses and grades will not be added to the transcript.
- Apply to the Dual Enrollment Partner of their choice by the Partner's Application Deadline.
- Be accepted to the Partner school and have a copy of their schedule sent to F1S guidance. Student's name must be on the Partner school's class roster.
- Dual Enrollment classes have to be on your Schedule and Work in Progress on your transcript.
- All student invoices for courses must be submitted by Nov. 1st for Fall and March 1st for Spring for the bills to be paid.
- Florence One is not responsible for grades. At the end of each semester the grades are sent from the partner college to the high school to be placed on the transcript. Grades for all Dual Enrollment courses shown on PowerSchool are required to be added to the High School transcript, per the SC Uniform Grading Policy. They cannot be removed for any reason. For College of Charleston grades, students must bring an unofficial transcript to the guidance department for the grades to be entered.

For more information on Dual Enrollment visit our website:

www.f1s.org/dualenrollment

Alfred E. Rush Academy Soar Program

The Soar program at Alfred Rush Academy (ARA) serves as an alternative school for seven (7) feeder schools in Florence One Schools. One aspect of ARA's school Vision is for all students to graduate on time. The Soar program helps make the vision a reality by providing an opportunity for students to earn course credits at an accelerated pace. To name a few, we are looking to offer self-motivated students the following options:

1. Smaller learning environment
2. Blended learning environment
3. Working at their own pace
4. Opportunity to catch up for those who have fallen behind
5. Flexible hours to attend school

The Soar program operates Monday-Friday offering instruction from 9:15 am – 3:00 pm. The Soar program serves students who are considered over age 8th graders and students who are in the 11th or 12th grade. In addition to instruction, students will have the opportunity to experience college tours, business tours, other field trips, and guest speakers. Students must apply and be accepted into the Soar program.

Diploma Pathways Seals of Distinction



DIPLOMA PATHWAYS SEALS OF DISTINCTION TEMPLATE

Students shall meet all requirements for earning a South Carolina high school diploma to be eligible to earn any Seal of Distinction.

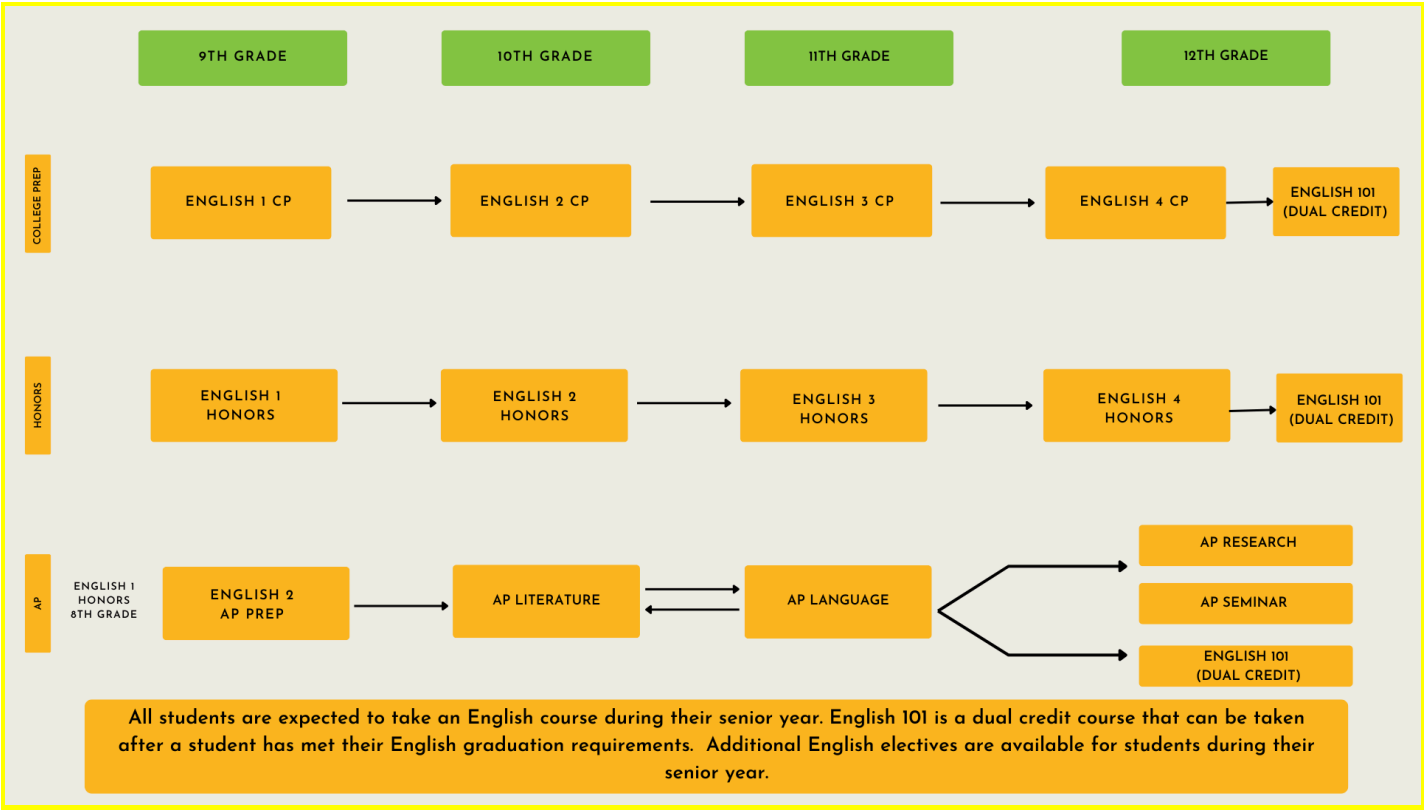
One or more Seals may be earned.

Consult District or School Curriculum Guides for more information regarding curriculum choices and requirements.

Honors Seal of Distinction	College Ready Seal of Distinction	Career Ready Seal of Distinction	Arts Specialization Seal of Distinction
UGP GPA 3.5 or higher	UGP GPA 3.0 or higher or ACT 20 or higher or SAT 1020 or higher Tests may be superscored	UGP GPA 3.0 or higher	UGP GPA 3.0 or higher
English - 4 credits 2 at honors or higher level Math - Algebra 1, Algebra 2, Geometry, and a 4th higher level math requiring Algebra 2 as a prerequisite 3 at honors or higher level Lab Science - 3 credits 2 at honors or higher level Social Studies - 3 credits 2 at honors or higher level World Languages - 3 credits of the same language for students entering 9th grade in 2019–2020 and beyond Advanced Coursework - 4 additional credits of honors or higher completed during the Junior/Senior years (the last 2 years prior to graduation)	English - 4 credits Math - Algebra 1 (or the equivalent of Algebra 1), Algebra 2, Geometry, and another higher level math Lab Science - 3 credits Social Studies - 3 credits World Language - 2 credits in the same language Fine Arts - 1 credit	Career and Technical Education (CTE) Completer with an industry recognized credential OR Silver or higher certificate on ACT WorkKeys or Level 3 Credential or higher on WIN SC Career Ready Test OR Completion of Career Ready Work-Based Learning (WBL) placement	4 credits in a single or multiple arts areas, 2 at the honors or higher level* AND Mastery on externally evaluated exam or performance task *If honors credit is not available for arts courses, student must complete four courses in a single art area
	Military Specialization Seal of Distinction	STEM Specialization Seal of Distinction	World Language Specialization Seal of Distinction
	UGP GPA 3.0 or higher	UGP GPA 3.0 or higher	UGP GPA 3.0 or higher
	4 credits in JROTC and an ASVAB score of 31 or higher	4 credits beyond required graduation courses in math, science, technology, and engineering; at least 2 at honors or higher level Courses may be in 1 area of STEM or across all 4 areas	4 credits in the same language OR a nationally normed proficiency-based language assessment score of "Intermediate Low" OR AP exam score of 3 or higher OR IB exam score of 4 or higher OR Cambridge AICE Language exam score of E or better before the senior year

Academic Courses

English



English 1

Level: CP Credit: 1 Grade: 9

English 1 provides students with experiences in reading a variety of informational and literary texts of different genres at their academic level and in advancing their practices in language usage and composition skills. This course features opportunities for utilizing critical thinking, writing, communication, and collaboration. Students learn and practice fundamental research skills and write documented papers. Correlated book studies are required for all levels of this course.

English 1

Level: H Credit: 1 Grade: 9

English 1 Honors provides students with higher level experiences in reading a variety of informational and literary texts of different genres at their academic level and in advancing their practices in language usage and composition skills. This course features opportunities for utilizing critical thinking, writing, communication, and collaboration. Students learn and practice fundamental research skills and write documented papers. Correlated book studies are required for all levels of this course. Honors level courses are differentiated by the designated guaranteed experiences with additional readings and research/written assignments as outlined on the F1S CAD and each teacher's syllabus.

English 2 Level: CP Credit: 1 Grade: 10

Tenth grade English aims for application of grammar skills and a degree of coherence and emphasis in composition of varied types. It offers sequentially richer experiences in oral work, covers literature selections revealing insights into life and literature with analysis of literary genres. Book reports are required. Students continue to extend resource skills in documented papers.

English 2

Level: H Credit: 1 Grade: 9-10

English 2 aims for a higher application of language use and skilled practice in a variety of composition modes. The course offers sequentially rich experiences in communication and addresses texts that reveal insights into life and literature with analysis of literary genres. Students practice advancing research skills and write documented papers. Correlated book studies are required in all levels of this course. CP and Honors level core courses are differentiated by the designated guaranteed experiences with additional readings and research/written assignments as outlined on the F1S CAD and each teacher's syllabus.

English 2 GT/ACC H

Level: H Credit: 1 Grade: 9-10

English 2 aims for a higher application of language use and skilled practice in a variety of composition modes. The course offers sequentially rich experiences in communication and addresses texts that reveal insights into life and literature with analysis of literary genres. Students practice advancing research skills and write documented papers. Correlated book studies are required in all levels of this course. CP and Honors level core courses are differentiated by the designated guaranteed experiences with additional readings and research/written assignments as outlined on the FSD1 CAD and each teacher's syllabus.

English 2 STEM H

Level: H Credit: 1 Grade: 9-10

English 2 aims for a higher application of language use and skilled practice in a variety of composition modes. The course offers sequentially rich experiences in communication and addresses texts that reveal insights into life and literature with analysis of literary genres. Students practice advancing research skills and write documented papers. Correlated book studies are required at the appropriate level of complexity and experiences are differentiated by the designated guaranteed experiences and additional course requirements as outlined in the F1S CAD and each teacher's syllabus.

English 2 MYP H

Level: H Credit: 1 Grade: 9

Required for students who wish to pursue the IB Diploma. Incorporates the standards of English 2 but is characterized by a high degree of complexity and more in-depth study. Students should expect to spend time outside class on assignments, both self directed and teacher assigned. Teacher recommendation is encouraged; a high level of success in prior English courses is a marker of success in this course. Self Motivated learners are the model of success in this course. The course focuses on world literature

English 3

Level: CP Credit: 1 Grade: 11

English 3 stresses the American heritage in literature and explores multiple genres, writing modes, and stylistic approaches to enhance students' ability to read and write critically as they advance toward college and career. Students research a variety of topics and write short and extended documented papers with advancing practices in language usage and composition. Correlated book studies are required in all levels of this course.

English 3 H

Level: H Credit: 1 Grade: 10- 11

English 3 stresses the American heritage in literature and explores multiple genres, writing modes, and stylistic approaches to enhance students' ability to read and write critically as they advance toward college and career. Students research a variety of topics and write short and extended documented papers with advancing practices in language usage and composition. Correlated book studies are required in all levels of this course. CP and Honors level core courses are differentiated by the designated guaranteed experiences with additional readings and research/written assignments as outlined on the F1S CAD and each teacher's syllabus.

English 3 GT/ACC H

Level: H Credit: 1 Grade: 10- 11

AP Prep English 3 stresses the American heritage literature and extensively explores multiple genres, writing modes, stylistic and rhetorical approaches to enhance students' ability to read and write critically as they advance toward AP Courses and college readiness. Students will research multiple content-related topics and write short and extended documented papers with advanced approaches in language usage and composition. Correlated book studies at this advanced level are required.

English 3 STEM H

Level: H Credit: 1 Grade: 10- 11

AP Prep English 3 stresses the American heritage literature and extensively explores multiple genres, writing modes, stylistic and rhetorical approaches to enhance students' ability to read and write critically as they advance toward AP Courses and college readiness. Students will research multiple content-related topics and write short and extended documented papers with advanced approaches in language usage and composition. Correlated book studies at this advanced level are required.

English 3 IB HL -1/ English 4 IB HL-2

Grade level: 11 (IB HL 1)-12 (IB HL-2) Credit: 1

Prerequisite: AP Language & Composition or Eng. 2 MYP

Required for the IB Diploma or offered as a certificate course for possible college credit, this two-year Higher-Level IB course offers an intense, in-depth study of a broad range of literature in an effort to build appreciation of style and craft, recognition of subtleties with language usage, and awareness of global perspectives. While students will engage in a variety of oral and written exercises designed to prepare them for IB exams, they will also receive instruction in preparation of the respective AP exams both years.

English 4

Level: CP Credit: 1 Grade: 11-12

English 4 provides advanced practice and experience in language usage and composition focusing on British and European literature through critical reading of selections by British authors. For increased readiness for college and career, advanced writing in this course includes detailed short and extended research papers, and informative and argumentative writing with more complexity. Correlated book studies are required in all levels of this course.

English 4 H

Level: H Credit: 1 Grade: 11-12

English 4 provides advanced practice and experience in language usage and composition focusing on British and European literature through critical reading of selections by British authors. For increased readiness for college and career, advanced writing in this course includes detailed short and extended research papers, and informative and argumentative writing with more complexity. Correlated book studies are required in all levels of this course. CP and Honors level core courses are differentiated by the designated guaranteed experiences with additional readings and research/written assignments as outlined on the F1S CAD and each teacher's syllabus.

English 4 GT/ACC H

Level: H Credit: 1 Grade: 11-12

English 4 provides advanced practice and experience in language usage and composition focusing on British and European literature through critical reading of selections by British authors. For increased readiness for college and career, advanced writing in this course includes detailed short and extended research papers, and informative and argumentative writing with more complexity. Correlated book studies are required in all levels of this course. Honors level courses are differentiated by the designated guaranteed experiences with additional readings and research/written assignments as outlined on the F1S CAD and each teacher's syllabus.

English 4 STEM H

Level: H Credit: 1 Grade: 11-12

English 4 AP Prep/GT requires advanced practice and experience in language usage and composition focusing on British and European literature through critical reading and analysis of selections by British authors. In preparation for Advanced Placement Literature/Language and Composition. Advanced writing in this course includes detailed short and extended research papers, and informative and argumentative writing with more complexity. Correlated book studies are required at the advanced level for this course. Guaranteed experiences with additional readings and research/written assignments are outlined on the F1S CAD and each teacher's syllabus.

IB English A1 HL-2 (Wilson High Only)

Level: IB Credit: 1 Grade: 12

Prerequisite: MYP Eng 3, Eng 3 H

Required for the IB Diploma or offered as a certificate course for possible college credit, this second of the two-year Higher-Level IB course offers an intense, in-depth study of a broad range of literature in an effort to build appreciation of style and craft, recognition of subtleties with language usage, and awareness of global perspectives. While students will engage in a variety of oral and written exercises designed to prepare them for the IB exam.

AP English – Language Composition

Level: AP Credit: 1 Grade: 10-12

This is a college level course focusing on the techniques used by writers to produce clear and effective literary works. Students receive instruction in the conventions of literary criticism with an emphasis on analysis and interpretation. They use college level texts and supplementary paperbacks. All students are required to take the College Board administered examination.

AP English – Literature Composition

Level: AP Credit: 1 Grade: 11-12

This is a college level course fusing the reading of great literature with extensive compositions and research skills. Students receive instruction in the conventions of literary criticism with an emphasis on analysis and interpretation. They use college level texts and supplementary paperbacks. All students are required to take the College Board administered examination.

African-American Literature

Level: H Credit: 1 Grade: 9-12

This course offers an opportunity to study a specialized field of literature and to learn more about African American culture. The course focuses on the contributions of African American writers to American literature; historical and cultural concerns are addressed through the literature by using novels, plays, essays, critical studies, and films. This course is organized in a chronological fashion, beginning with the literature of African descendants in the United States, both slave and free, and continues into the 21st century with contemporary writers. An anthology of writings, which includes poetry, fiction, and non-fiction, is the basic text for the course and is supplemented with additional readings. Students will choose one writer for specialization for a semester project. This course is for students who enjoy analyzing challenging literature and participating in discussions.

Creative Writing

Level: H Credit: 1 Grade: 9-12

This course is an introduction to the art of creative writing and publishing. Class participants will write and revise pieces in a number of genres including personal essays, short stories, poetry, and play scripts. The central focus of the class will be on various processes for creating, using mentor texts as inspiration and models, and learning from the experience of providing and listening to feedback. Peer reviews and sharing ideas are essential elements to this course. Also essential in this course will be learning to engage in a supportive creative community that empowers individual curiosity, and artistic risk taking.

Structures of High School English (Elective)*Level: CP Credit: 1 Grade: 9*

Structures of English provides opportunities for academic enrichment for students in preparation for college and career readiness in the areas of reading comprehension, language usage, communication, and composition skills. In preparation for English I, students read, analyze, create multimedia presentations, and write responses to both informational and literary texts. This course is an English elective and cannot be used to satisfy English requirements for graduation or college acceptance.

Mythology*Level: H Credit: 1 Grade: 9-12*

This course exposes students to a variety of mythological and legendary allusions common in world literature. Students will have the opportunity to read a variety of myths and legends focusing on the content and the literary elements. Students will also explore the influence of Greek and Roman mythology and sample world legends. Students will complete this course with a self-chosen independent project.

Poetry 1*Level: CP Credit: 1/2 Grade: 9-10*

Students will study traditional and contemporary poetry. The focus will be analytical and creative responses to poems. The culminating activity will be the creation of a portfolio consisting of student poems and analytical essays about published poetry.

Speech*Level: CP Credit: 1 Grade: 9-12*

Speech is an introduction to public speaking. Students will write speeches and learn to express themselves before an audience.

SAT/ACT Verbal Test Preparation*Level: CP Credit: ½ Grade: 10-12*

This course will concentrate on acquiring learning tips for increasing scores on the new SAT/ACT, and improving reading comprehension and writing skills. The course objectives include examining SAT/ACT tests to develop assessment awareness and to increase reading skills (main ideas, details, comprehension, logical relationships, identifying vocabulary in context clues, and developing skills for defining words in isolation). Students will also apply English language knowledge to sentence structure, punctuation, capitalization, and usage. In addition, students will organize and illustrate ideas logically to write thoughtful essay question responses. **Offered through SC Virtual School.**

Yearbook Production 1*Level: CP Credit: 1 Grade: 9-12*

Students will gain competence in journalism directed to production of a yearbook. They will master layout and design, graphics, photography, reporting, writing, journalistic style, journalism ethics, and their 1st Amendment rights. They will see their skills published in the school yearbook.

Yearbook Production 2*Level: CP Credit: 1 Grade: 9-12*

Students will hone their journalistic skills with more experience in the major skills of writing, layout and design, graphics, photography, reporting, journalistic style, and ethics.

They will see their ideas published in the school yearbook.

Yearbook Production 3*Level: H Credit: 1 Grade: 11-12*

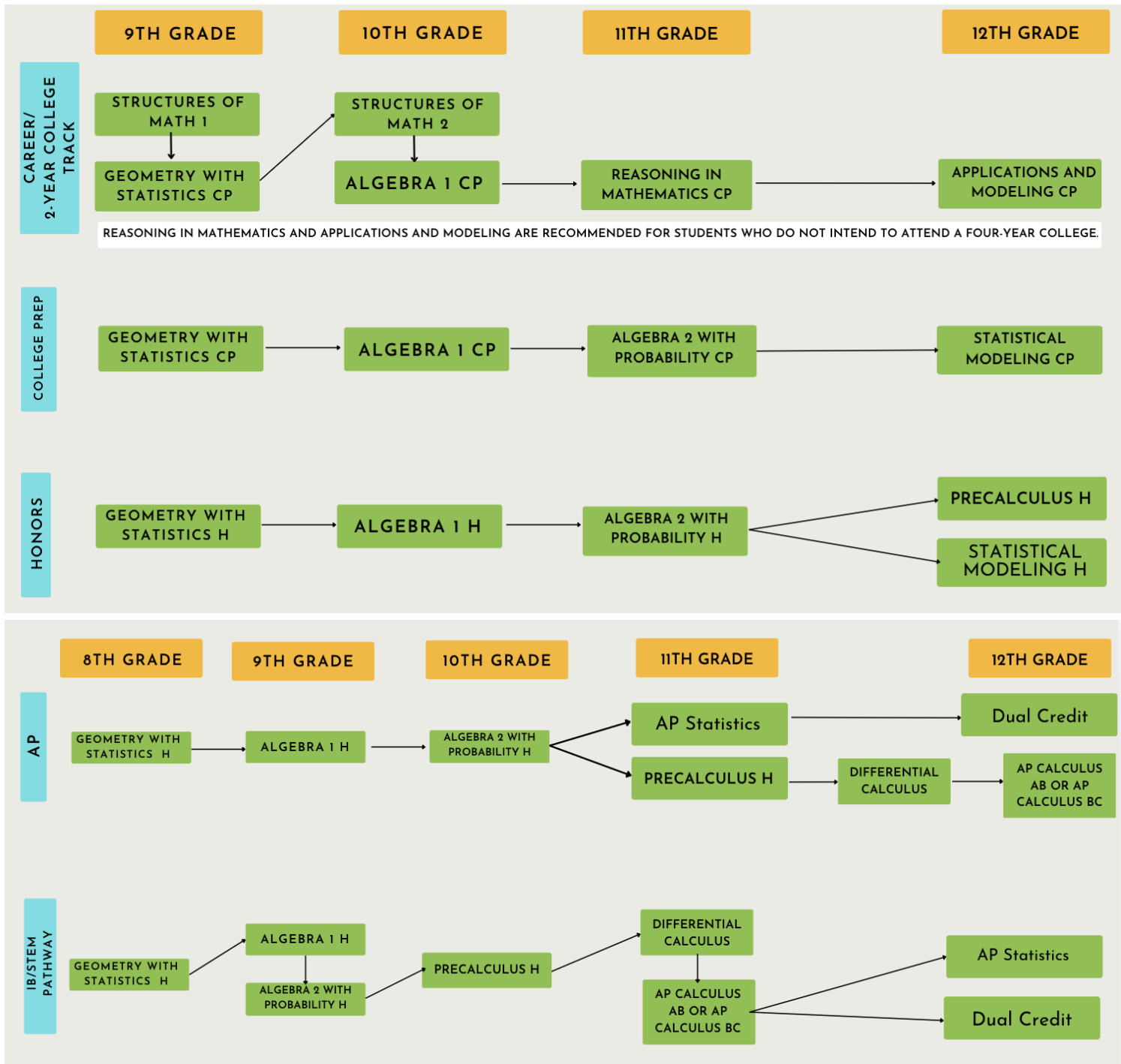
Functioning in leadership positions, students will improve their journalistic skills as they work on all aspects of yearbook production while mentoring less experienced classmates. They will take a more active role in designing the yearbook.

Yearbook Production 4

Level: H Credit: 1 Grade: 11-12

Acting as editors and functioning in leadership positions, students will polish their journalistic skills as they produce all the parts of the school yearbook. They will mentor less experienced classmates and take responsibility for producing the school yearbook.

MATHEMATICS



Structures of Math 1 (Elective Course)*Level: CP Credit:1 Grade: 9*

Structures of Math 1 is designed to offer students the opportunity to build their reasoning and sensemaking skills, see the applications of mathematics and prepare more effectively for future studies in their high school mathematics studies. Course credit cannot be applied toward the minimum mathematics requirement for graduation, but may be awarded as elective credit.

Geometry with Statistics*Level: CP Credit: 1 Grade: 9*

This course is designed to build on students' experiences in the middle grades. It is the first of four required math courses in high school mathematics, providing a common Grade 9 experience for all students entering high school-level mathematics. An emphasis on reasoning throughout the content area promotes exploration, conjecture testing and informal and formal justification, which provides students with tools to describe, show and summarize data in the world around them. Students will build on and deepen prior understanding of transformations, congruence, similarity and coordinating geometry concepts.

Geometry with Statistics H*Level: H Credit: 1 Grade:9*

This course is designed for students desiring to accelerate their math instruction to prepare for AP Calculus and/or AP Statistics. This course is designed to build on students' experiences in the middle grades. It is the first of four required math courses in high school mathematics, providing a common Grade 9 experience for all students entering high school-level mathematics. An emphasis on reasoning throughout the content area promotes exploration, conjecture testing and informal and formal justification, which provides students with tools to describe, show and summarize data in the world around them. Students will build on and deepen prior understanding of transformations, congruence, similarity and coordinating geometry concepts. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems.

Geometry with Statistics GT STEM (West Florence Only)*Level: H Credit: 1 Grade:9*

This course is designed for students desiring to accelerate their math instruction to prepare for AP Calculus and/or AP Statistics. This course is designed to build on students' experiences in the middle grades. It is the first of four required math courses in high school mathematics, providing a common Grade 9 experience for all students entering high school-level mathematics. An emphasis on reasoning throughout the content area promotes exploration, conjecture testing and informal and formal justification, which provides students with tools to describe, show and summarize data in the world around them. Students will build on and deepen prior understanding of transformations, congruence, similarity and coordinating geometry concepts. As an AP Prep course, students will be expected to take this course earlier than their peers and will be expected to move at a fast pace and solve mostly complex problems.

Geometry with Statistics MYP H (Wilson Only)*Level: H Credit:1 Grade:9*

This course is designed to build on students' experiences in the middle grades. It is the first of four required math courses in high school mathematics, providing a common Grade 9 experience for all students entering high school-level mathematics. An emphasis on reasoning throughout the content area promotes exploration, conjecture testing and informal and formal justification, which provides students with tools to describe, show and summarize data in the world around them. Students will build on and deepen prior understanding of transformations, congruence, similarity and coordinating geometry concepts. As an AP Prep course, students will be expected to take this course earlier than their peers and will be expected to move at a fast pace and solve most complex problems.

Structures of Math 2 (Elective Course)*Level: CP Credit:1 Grade: 10**Prerequisite: Geometry with Statistics*

Structures of Math 2 is designed to build essential concepts for students to see how mathematics can be used to represent patterns and relationships among numbers, analyze change and model everyday events. Course credit cannot be applied toward the minimum mathematics requirement for graduation, but may be awarded as elective credit.

Algebra 1*Level: CP Credit: 1 Grade: 10**Prerequisite: Geometry with Statistics*

This course is designed for college preparatory students and others desiring a formal background in mathematics. Content consists of the structure of number systems and techniques used in applications of algebraic concepts and skills for a first course in Algebra. Students should use a variety of representations (e.g., concrete, numerical, algorithmic, graphical), tools (e.g. matrices, data), and technologies to model mathematical situations to solve meaningful problems. **Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.**

Algebra 1 H*Level: H Credit: 1 Grade: 10**Prerequisite: Geometry with Statistics*

This course is designed for college preparatory students and others desiring a formal background in mathematics. Content consists of the structure of number systems and techniques used in applications of algebraic concepts and skills for a first course in Algebra. Students should use a variety of representations (e.g., concrete, numerical, algorithmic, graphical), tools (e.g. matrices, data), and technologies to model mathematical situations to solve meaningful problems. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems. **Students are required to take an End-of-Course exam provided by the SC State Department of Education. This exam counts 20 percent of the student's final grade.**

Algebra 2 with Probability*Level: CP Credit: 1 Grade: 11**Prerequisite: Geometry with Statistics and Algebra 1*

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is intended for average students who, as a minimum, have successfully completed Algebra 1 and Geometry with Statistics. Content consists of an in-depth study of functions, patterns, relations, and concepts of number systems. The course extends and incorporates concepts developed in Algebra 1. Students are expected to use scientific calculators, graphing calculators, and/or computers throughout the year. This course meets the state Algebra 2 with Probability standards.

Algebra 2 with Probability H*Level: H Credit: 1 Grade: 10**Prerequisite: Geometry with Statistics and Algebra 1*

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is intended for above average students who, as a minimum, have successfully completed Algebra 1 and Geometry with Statistics. Content consists of an in-depth study of functions, patterns, relations, and concepts of number systems. The course extends and incorporates concepts developed in Algebra 1. Students are expected to use scientific calculators, graphing calculators, and/or computers throughout the year. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems. This course meets the state Algebra 2 with Probability standards.

Algebra 2 with Probability GT/ACC H*Level: H Credit: 1 Grade: 10**Prerequisite: Geometry with Statistics and Algebra 1*

This course is designed for students desiring to accelerate their math instruction to prepare for AP Calculus and/or AP Statistics. It is intended for high performing math students who, as a minimum, have successfully completed Algebra 1. Content consists of an in-depth study of functions, patterns, relations, and concepts of number systems. The course extends and incorporates concepts developed in Algebra 1. Students are expected to use scientific calculators, graphing calculators, and/or computers throughout the year. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems. As an AP Prep course, students will be expected to take this course earlier than their peers and will be expected to move at a fast pace and solve mostly complex problems. This course meets the state Algebra 2 with Probability standards.

MYP Algebra 2 with Probability (Wilson Only)

Level: H Credit: 1 Grade: 10

Prerequisite: Geometry with Statistics and Algebra 1

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is intended for above average students who, as a minimum, have successfully completed Algebra 1. Content consists of an in depth study of functions, patterns, relations, and concepts of number systems. The course extends and incorporates concepts developed in Algebra 1. Students are expected to use scientific calculators, graphing calculators, and/or computers throughout the year. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems. This course meets the state Algebra 2 with Probability standards.

Algebra 2 with Probability STEM H (West Florence Only)

Level: H Credit: 1 Grade: 10

Prerequisite: Geometry with Statistics and Algebra 1

This course will offer inquiry-based, hands-on activities with real world connections using TI-Nspire calculators and data collection technology. It is designed for college preparatory students and others desiring a formal background in mathematics and is intended for above average students who, as a minimum, have successfully completed Algebra 1. Content consists of an in-depth study of functions, patterns, relations, and concepts of number systems. The course extends and incorporates concepts developed in Algebra 1. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems.

Reasoning in Mathematics

Level: CP Credit: 1 Grade: 11

Prerequisite: Geometry with Statistics and Algebra 1

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is intended for students who, as a minimum, have successfully completed Algebra 1 and Geometry with Statistics. Content engages students in relevant problems that focus on how mathematics and statistics inform decision making. It emphasizes statistics, quantitative reasoning, modeling, and financial applications and features a variety of mathematical and statistical tools useful for decision making. Students are expected to use scientific calculators, graphing calculators, and/or computers throughout the year. This course meets the state Reasoning in Mathematics standards.

Application and Modeling

Level: CP Credit: 1 Grade: 12

Prerequisite: Geometry with Statistics and Algebra 1

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is intended for students who, as a minimum, have successfully completed Algebra 1 and Geometry with Statistics. Content for this course is developed to expand on and reinforce the concepts introduced in Geometry with Statistics and Algebra 1 by using those concepts to represent and analyze data and make predictions and inform judgments about real-world phenomena. It allows students to experience mathematics and its applications in a variety of ways that promote financial literacy and career-based decision making. Measurements are taken from the real world, and technology is used extensively for computation, with an emphasis on students' interpretation and explanation of results in context. This course meets the state Application and Modeling standards.

Statistical Modeling

Level: CP Credit: 1 Grade: 12

Prerequisite: Algebra 2 with Probability

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is for students who have successfully completed Algebra 2 with Probability. Content for this course is developed to expand students' understanding of statistics through inquiry and simulations. Students will formulate statistical investigations data, select appropriate graphical and numerical methods for data analysis, and interpret their results to make connections with the initial question. This course meets the state Statistical Modeling standards.

Statistical Modeling H*Level: H Credit: 1 Grade: 12**Prerequisite: Algebra 2 with Probability*

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is designed for average to above-average students who have successfully completed Algebra 2 with Probability. Content for this course is developed to expand students' understanding of statistics through inquiry and simulations. Students will formulate statistical investigations data, select appropriate graphical and numerical methods for data analysis, and interpret their results to make connections with the initial question. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems. This course meets the state Statistical Modeling standards.

Pre-Calculus H*Level: H Credit: 1 Grade: 11-12**Prerequisite: Algebra 2 with Probability*

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is designed for average to above-average students who have successfully completed the prerequisite sequence. This course will include an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. The course content consists of a survey of advanced mathematical topics including a thorough treatment of trigonometric concepts. As an honors weighted course students will be expected to move at a faster pace and solve more complex problems.

Pre-Calculus GT/ACC H*Level: H Credit: 1 Grade: 11-12**Prerequisite: Algebra 2 with Probability*

This course is designed for college preparatory students and others desiring a formal background in mathematics. It is designed for average to above-average students who have successfully completed the prerequisite sequence. This course will include an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. The course content consists of a survey of advanced mathematical topics including a thorough treatment of trigonometric concepts. As an AP Prep course, students will be expected to take this course earlier than their peers. They will be expected to move at a fast pace and solve mostly complex problems. This course at the AP Prep level provides a strong mathematical background for the students who will pursue AP Calculus in the 12th grade.

Pre-Calculus MYP H (Wilson Only)*Level: H Credit: 1 Grade: 11-12**Prerequisite: Algebra 2 with Probability*

This course is designed for students desiring to accelerate their math instruction to prepare for AP Calculus and/or AP Statistics. This course will include an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. The course content consists of a survey of advanced mathematical topics including a thorough treatment of trigonometric concepts. As an AP Prep course, students will be expected to take this course earlier than their peers and will be expected to move at a fast pace and solve most complex problems.

Differential Calculus (West and South only)*Level: H Credit: 1 Grade: 12**Prerequisite: Pre-Calculus*

This course will provide a review and extension of Pre-Calculus topics that are essential for the student of Calculus. Content consists of evaluating limits and determining the continuity of a function. All rules of differentiation will be covered, including natural logarithms, exponentials, and inverse trig functions. Applications of derivatives will include optimization, related rate, rectilinear motion, Newton's method and graphic techniques.

AP Calculus (AB) (West and South only)*Level: AP Credit: 1 Grade: 12**Prerequisite: Differential Calculus*

This course with Differential Calculus consists of a full academic year of work in Calculus and related topics comparable to courses in colleges and universities. It is offered as an Advanced Placement course in the senior year for mathematically able students who have completed all of the prerequisites for a combined course in elementary functions and calculus prior to grade 12. The course is consistent with the Advanced Placement standards as outlined by the College Entrance Examination Board. All students are required to take the College Board administered examination. Student ownership of a graphing calculator (TI-83/84/89/Nspire) is recommended.

AP Calculus (BC)*Level: AP Credit: 1 Grade: 12**Prerequisite: Differential Calculus*

This course with Differential Calculus is an intensive full year course in the calculus of functions of a single variable. In addition to all of the topics of Calculus AB, the Calculus BC course includes other topics such as infinite series and differential equations. The course is consistent with the Advanced Placement standards as outlined by the College Entrance Examination Board. All students are required to take the College Board administered examination. Student ownership of a graphing calculator (TI-83/84/89/Nspire) is recommended.

AP Statistics*Level: AP Credit: 1 Grade: 12**Prerequisite: Algebra 2 with Probability H*

This course is designed to prepare the high school student for post high school science, mathematics, business, and social science courses with the emphasis on receiving college credit via the College Board's Advanced Placement Statistics Examination. The course focuses on four themes: exploring data, planning a study, anticipating patterns, and statistical inference. Student ownership of a graphing calculator (TI-83/84/89/Nspire is recommended.)

International Baccalaureate Mathematics – Analysis And Approaches SL (Wilson Only)*Level: IB Credit: 1 Grade: 11 or 12*

This course is intended for students who wish to pursue studies in mathematics at university or subjects that have a large mathematical content. It is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications with and without technology.

International Baccalaureate Mathematics – Application And Interpretation SL (Wilson High Only)*Level: IB Credit: 1 Grade: 12**Prerequisite: Applications and Interpretations Year 1*

This course is designed for students who enjoy describing the real world and solving practical problems using mathematics. Those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics.

Mathematics – Analysis And Approaches Year 1 SL (Wilson High Only)*Level: H Credit: 1 Grade: 11**Prerequisite: MYP Precalculus or Precalculus H*

IB Mathematics Analysis and Approaches SL is a course designed for students who wish to study a good level of mathematics, but not at a higher level. It will appeal to students who are interested in exploring real and abstract applications of mathematical concepts. They will enjoy problem solving and generalization. This course is suitable for students who may go on to further study in subjects that have a mathematical background, for example economics, geography and chemistry.

Mathematics – Application And Interpretation SL (Wilson High Only)

Level: IB Credit: 1 Grade: 12

Prerequisite: Math: App and Interp Seminar

IB Mathematics Applications and Interpretation SL is a course designed for students who wish to gain a good knowledge of mathematics, but with an emphasis on the applied nature of the subject. They may have found more traditional mathematics courses a challenge and it will appeal to students who enjoy the practical application of mathematics to real life situations. This course is suitable for students who may go on to further study in subjects that utilize mathematics in this way such as biology, the human sciences and business. Part 2 of a 2 year course.

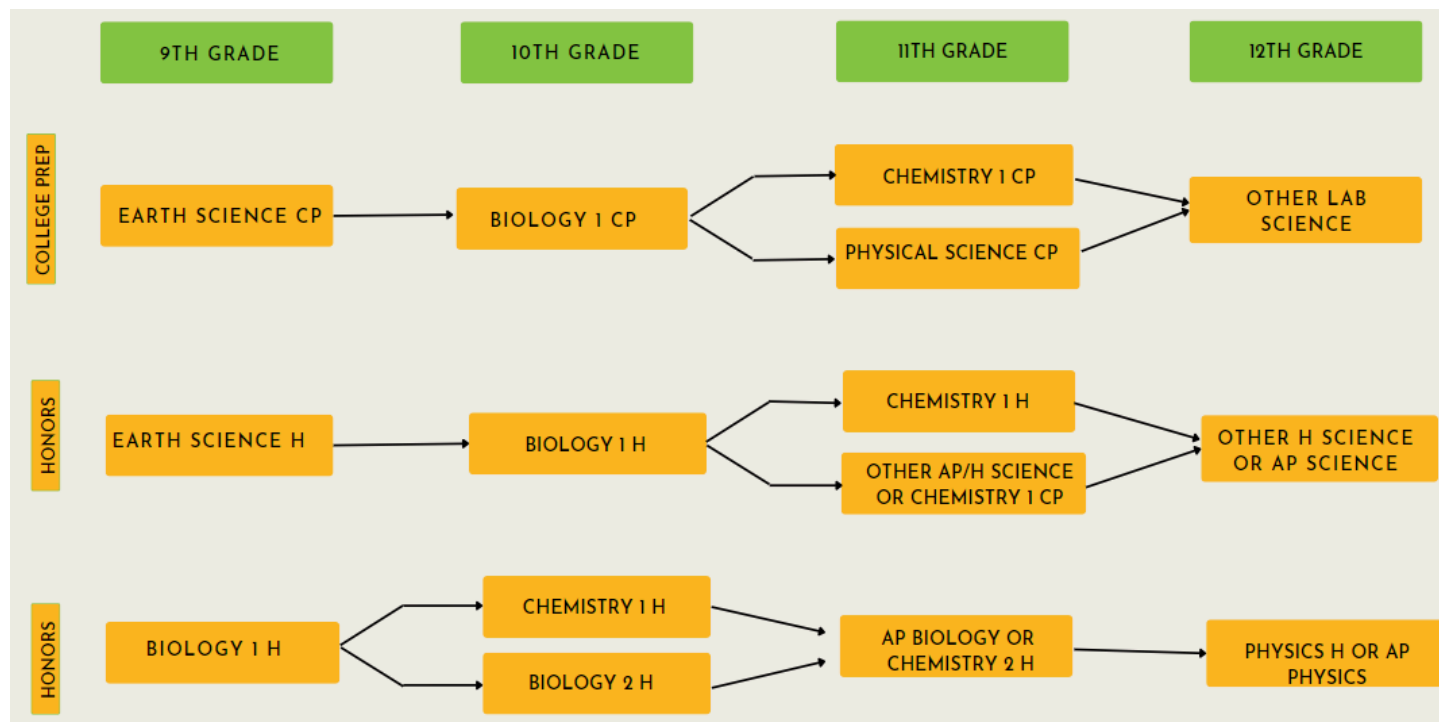
Mathematics – Analysis And Approaches Year 2 (Wilson High Only)

Level: IB Credit: 1 Grade: 12

Prerequisite: Math: Anyls & Apch SL Seminar

IB Mathematics Analysis and Approaches SL is a course designed for students who wish to study a good level of mathematics, but not at a higher level. It will appeal to students who are interested in exploring real and abstract applications of mathematical concepts. They will enjoy problem solving and generalization. This course is suitable for students who may go on to further study in subjects that have a mathematical background, for example economics, geography and chemistry. Part 2 of a 2 year course.

SCIENCE



Anatomy and Physiology

Level: CP Credit: 1 Grade: 11-12

Prerequisite: Biology 1

Anatomy and Physiology is an in-depth survey course devoted to the structures and functions of the various systems in the human body including tissues, integumentary, skeletal, muscular, and nervous systems; sensory organs, cardiovascular, respiratory, and digestive systems.. Extensive laboratory investigations, including dissections, are an important component of this course.

Anatomy and Physiology

Level: H Credit: 1 Grade: 11-12

Prerequisite: Biology 1

Anatomy and Physiology is an in-depth survey course devoted to the structures and functions of the various systems in the human body including tissues, integumentary, skeletal, muscular, and nervous systems; sensory organs, cardiovascular, respiratory, and digestive systems. Extensive laboratory investigations, including dissections, are an important component of this course. The honors level course is designed to accelerate and enrich core curriculum by differentiating the content, process, pace, and work completed by the student. Students enrolled in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material.

Biology 1

Level: CP Credit: 1 Grade: 10-12

Prerequisite: Earth Science CP

Biology 1 is a required course for graduation.

Biology 1 is a required course for a SC diploma and is the foundational course for more advanced study in the life sciences. This course covers the major concept areas of biological science including: the cell; molecular basis of heredity; biological change; diversity in living systems; and environmental relationships. The student develops an understanding and appreciation of all living things and their critical relationships with one another. (All of the Biology South Carolina Academic Standards and Performance Indicators for Science are addressed.) The Biology End-of-Course exam will be given at the completion of this course.

Biology 1

Level: H Credit: 1 Grade: 9-10

Biology 1 is a required course for graduation.

Biology 1 is the foundational course for more advanced study in the life sciences. Major topics of study include the cell, molecular basis of heredity, biological evolution, and regulation and behavior. All students will take the state required End of Course exam in Biology. The honors level course is designed to accelerate and enrich core curriculum by differentiating the content, process, pace, and work completed by the student. Students enrolled in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material. Extensive laboratory research is integral to this course. Independent and group investigations and research are conducted throughout the course.

Biology 2

Level: CP Credit: 1 Grade: 11-12

Prerequisite: Biology 1

Biology 2 provides students with a more in-depth study of life science concepts. Successful completion of Biology 1 prior to enrolling in this course is necessary. It goes beyond the topics covered in Biology 1. The main approach is a phylogenetic approach to the study of the six kingdoms. It will include taxonomic surveys of the kingdoms, morphology of organisms, and the relationships between them. Dissection is also a major component of this course.

Biology 2

Level: H Credit: 1 Grade: 11-12

Prerequisite: Biology 1H

Students cannot receive credit for both Biology 2 and AP Prep Biology 2.

Biology 2 provides students with a more in-depth study of life science concepts. Successful completion of Biology 1 prior to enrolling in this course is necessary. It goes beyond the topics covered in Biology 1H. The main approach is a phylogenetic approach to the study of the six kingdoms. It will include taxonomic surveys of the kingdoms, morphology of organisms, and the relationships between them. Dissection is also a major component of this course. The honors level course is designed to accelerate and enrich core curriculum by differentiating the content, process, pace, and work completed by the student. Students enrolled in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material beyond the CP level.

Biology 2 AP Prep

Level: H Credit: 1 Grade: 11-12

Prerequisite: Biology 1H

Students cannot receive credit for both Biology 2 and AP Prep Biology 2.

Students enrolled in AP Prep Biology must also be enrolled in AP Biology in the spring semester, as they are paired courses. AP Prep Biology 2 moves beyond Biology 1 with an in-depth study of Ecology, Biochemistry, Cellular Structure, Transport and Communication, Metabolism, Cellular Energetics, and Human Anatomy and Physiology. Extensive laboratory work will be an important component of the course.

Biology 1 and 2 HL

Level: IB Credit: 1 each Grade: 11-12

Prerequisites: B in Biology 1 and Chemistry 1

IB students will take IB Bio in 11th grade. Designed to be the equivalent of an introductory level college biology course, usually taken by science majors, this is the required higher level (HL) biology lab course for IB Diploma candidates. The course includes the required 90 teaching hours of the subject specific core plus one option in ecology and conservation and 60 hours of lab experience including a 10 hour IA and 10 hour interdisciplinary Group 4 project.

IB Biology SL (Wilson High Only)

Level: IB Credit: 1 Grade: 12

Prerequisite: MYP Biology or Biology 1 H

Designed to be the equivalent of an introductory level college biology course, this is the second year of the standard level (SL) biology lab course for IB Diploma candidates. The course includes the required 90 teaching hours of the subject specific core plus one option in ecology and conservation and 60 hours of lab experience including a 10 hour IA and 10 hour interdisciplinary Group 4 project.

IB Biology SL Seminar (Wilson High Only)

Level: H Credit: 1 Grade: 11

Prerequisite: MYP Biology or Biology 1 H

IB students will take IB Biology SL in 11th grade. Designed to be the equivalent of an introductory level college biology course, this is the standard level (SL) biology lab course for IB Diploma candidates. The course includes the required 90 teaching hours of the subject specific core plus one option in ecology and conservation and 60 hours of lab experience including a 10 hour IA and 10 hour interdisciplinary Group 4 project.

AP Biology

Level: AP Credit: 1 Grade: 11-12

Prerequisite: Biology 2 AP Prep (Chemistry 1 H highly recommended)

This course provides college credit for those students who score sufficiently high on the College Bound Examination. The curriculum, as specified by the College Entrance Examination Board will be followed without modification. Successful completion of Biology 1 is necessary and completion of Chemistry 1 is highly recommended. All students enrolled in the AP Biology course are required to take the College Board administered examination. In-depth laboratory investigations are a major component of AP Biology.

Chemistry 1

Level: CP Credit: 1 Grade: 10-12

Prerequisite: C or better in Algebra 1 or 2

This course is designed to provide an introduction to major chemistry concepts and engage students in laboratory experiences that will allow students to utilize scientific and engineering practices including, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: atomic structure, structures and classification of chemical compounds, structure and behavior of the different states of matter, nature and properties of various types of chemical solutions including acids and bases, types, the causes, and the effects of chemical reactions, and the conservation of energy and energy transfer. This course requires a working knowledge of algebra for success.

Chemistry 1

Level: H Credit: 1 Grade: 10-12

Prerequisite: B or better in Algebra 1 or 2

This course is designed to provide an introduction to major chemistry concepts and engage students in scientific and engineering practices including, problem solving, decision making, critical thinking, and applied learning in order to demonstrate knowledge and understanding of: atomic structure, nature and properties of various types of chemical solutions including acids and bases, types, the causes, and the effects of chemical reactions, and the conservation of energy and energy transfer. This course will accelerate and enrich the core curriculum by differentiating the content, process, pace and expectation of work completed by the student. This course requires a working knowledge of algebra 1 for success. This course includes learning and enrichment opportunities that extend beyond the standard coursework and are aligned to the South Carolina State Standards in Chemistry and the Profile of the South Carolina Graduate. Depth in rigor, complexity, challenges and creativity beyond the CP level course is required in the honors level course content.

Chemistry 2

Level: H Credit: 1 Grade: 11-12

Prerequisite: Chemistry 1 H

Students cannot receive credit for both Chemistry 2 and AP Prep Chemistry 2.

This course is an in-depth study of chemical principles with appropriate laboratory activities enhancing the content. Mathematical skills are essential. The course expands on Chemistry 1 and covers such new topics as solutions, gas laws, acids and bases, thermodynamics, equilibrium and electrochemistry. Emphasis is placed on problem solving and critical thinking. The honors level course is designed to accelerate and enrich core curriculum by differentiating the content, process, pace, and work completed by the student. Students enrolled in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material.

Chemistry 2 AP Prep

Level: H Credit: 1 Grade: 11-12

Prerequisite: Chemistry 1H

Students cannot receive credit for both Chemistry 2 and AP Prep Chemistry 2.

Students enrolled in AP Prep Chemistry must also be enrolled in AP Chemistry in the spring semester, as they are paired courses. Students will build a deeper understanding of concepts introduced in Chemistry 1 along with additional study of gas laws, solutions, equilibrium, acid-base chemistry, bonding, electrochemistry, and thermodynamics. Extensive laboratory work requiring detailed quantitative analysis will be an important part of the course.

AP Chemistry

Level: AP Credit: 1 Grade: 11-12

Prerequisite: Chemistry 2 AP Prep, Teacher recommendation

This course is a second year of intensive chemistry designed to prepare the student to take the Advanced Placement Chemistry Examination. The course meets the objective of a general chemistry course at the college level. The College Board determines the course description; therefore, the content of this course must adhere to those requirements. In-depth laboratory investigations are a major component of AP Chemistry. All students enrolled in the AP Chemistry course are required to take the College Board administered examination.

Chemistry SL (Wilson High Only)

Prerequisite: IB Chemistry SL Seminar

Level: IB Credit: 1 Grade: 12

This course will follow an IB-designated curriculum and includes the study of stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. All areas will include relevant laboratory investigations and all students will be required to maintain and submit a cumulative laboratory notebook. Students will also be required to complete the interdisciplinary Science Group 4 Research Paper. Students will be prepared to take the IB Chemistry SL exam. This is the first part of a two-year course for students who will take the IB Chemistry HL exam their senior year.

Chemistry SL Seminar

Level: IB Credit: 1 Grade: 11-12

This is the first of a two-course sequence preparing students for the IB Chemistry Standard Level Exam. Students learn the chemical principles that underpin both the physical environment and bio-logical systems through the study of quantitative chemistry, atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry and measurement and data processing.

Environmental Science

Level: CP Credit: 1 Grade: 10-12

Prerequisite: Biology 1

This course is designed to introduce students to the natural environment with an emphasis on overexploitation of our resources, habitat destruction, and problems caused by pollution. Students will study ecosystems, natural resources, methods of conservation, and the effect humans have on all aspects of the environment. **Some colleges do not consider Environmental Science to be a lab science. Students should check with their college of choice to verify.**

AP Prep Environmental Science (Wilson only)*Level: H Credit: 1 Grade: 11-12**Prerequisite: Biology 1 and Chemistry 1*

This interactive course is a study of the principles of ecology and the impact of humans on the environment including topics such as land use, resource conservation, biodiversity, and population growth. Current events such as climate change, pollution, and alternative energy sources will also be addressed. Students will use problem-based learning strategies to heighten their awareness and understanding of environmental processes so they can make sound decisions concerning their personal, professional, and political lives. Students will be expected to engage in routine field observations, conduct research, and complete projects. **Students enrolled in AP Prep Environmental Science must also be enrolled in AP Environmental Science in the spring semester, as they are paired courses. Students cannot receive credit for both Environmental Science and AP Prep Environmental Science 1.**

AP Environmental Science (Wilson only)*Level: AP Credit: 1 Grade: 11-12**Prerequisite: AP Prep Environmental Science*

This course is intended to be the equivalent of a one-semester introductory college course in environmental science. The goal of the course is to provide students with scientific principle, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or preventing them. The College Board determines the course description; therefore, the content of this course must adhere to those requirements. In-depth laboratory investigations are a major component of AP Environmental Science. All students enrolled in the AP Environmental course are required to take the College Board administered examination.

Earth Science*Level: CP Credit: 1 Grade: 9-12*

This Earth science course is designed to interpret and understand the world around you. In order to do so, students will investigate and study the interactions between the four major Earth's spheres, including the geosphere, atmosphere, hydrosphere and biosphere in order to explain Earth's formation, processes, history, landscapes, how and why Earth changes over time. The course will also explore how current actions of man interact and affect Earth's spheres leading to local and global changes. Topics to be addressed include, but are not limited to, the scientific method, mapping Earth's surface, minerals, plate tectonics, earthquakes, volcanoes, geologic time, meteorology, and astronomy. Students will participate in laboratory exercises, small group activities, web based investigations, class discussions, projects, and research.

Earth Science*Level: H Credit: 1 Grade: 9-12*

This Earth science course is designed to interpret and understand the world around you. In order to do so, students will investigate and study the interactions between the four major Earth's spheres, including the geosphere, atmosphere, hydrosphere and biosphere in order to explain Earth's formation, processes, history, landscapes, how and why Earth changes over time. The course will also explore how current actions of man interact and affect Earth's spheres leading to local and global changes. Topics to be addressed include, but are not limited to, the scientific method, mapping Earth's surface, minerals, plate tectonics, earthquakes, volcanoes, geologic time, meteorology, and astronomy. Students will participate in laboratory exercises, small group activities, web based investigations, class discussions, projects, and research. This course will accelerate and enrich the core curriculum by differentiating the content, process, pace and expectation of work completed by the student. This course includes learning and enrichment opportunities that extend beyond the standard coursework and are aligned to the South Carolina State Standards in Earth Sciences and the Profile of the South Carolina Graduate. Depth in rigor, complexity, challenges and creativity beyond the CP level course is required in the honors level course content. A culminating research project will also be a component of this course besides the core curriculum.

Forensic Science

Level: CP Credit: 1 Grade: 10-12

Prerequisite: CP level-Biology 1

Forensic Science is a hands-on laboratory and project-based learning course that will lead the student through a foundation of law and criminal justice, history of forensics, and modern scientific advances in the field. Hair, fibers, DNA, ballistics, serology, poisons, drugs, arson, explosions, fingerprinting, forgery, and entomology are studied in detail. The scientific method, data analysis, and powers of observation and critical thinking to solve a problem are addressed in all aspects of the course.

Forensic Science

Level: H Credit: 1 Grade: 10-12

Prerequisite: H level-Biology 1

Honors Forensic Science will cover more intricate aspects of evidence analysis, including advanced techniques for fingerprint analysis, DNA profiling, trace evidence examination, and complex crime scene reconstruction, while CP Forensic Science will focus on foundational concepts and basic procedures. The honors course will include article analysis of topics such as the Judicial System and techniques like Entomology, criminal profiling, and cyber crime.

Marine Science

Level: CP Credit: 1 Grade: 10-12

Prerequisite: CP level - Biology 1

This science laboratory course examines the various organisms and physical factors that influence our oceans, beaches, and wetlands. Laboratory experiences are an important component of this course including required dissections of marine organisms, which enhance the study of these unique animals.

Marine Science

Level: H Credit: 1 Grade: 10-12

Prerequisite: H level – Biology 1 and Chemistry 1

This science laboratory course examines the various organisms and physical factors that influence our oceans, beaches, and wetlands. Laboratory experiences are an important component of this course including required dissections of marine organisms, which enhance the study of these unique animals. The honors level course is designed to accelerate and enrich core curriculum by differentiating the content, process, pace, and work completed by the student. Students enrolled in this course will be required to work with more intensity, at a deeper level, and produce a wider range of more complex material.

Physical Science CP

Level: CP Credit: 1 Grade: 11-12

This course is designed to give students an understanding of the fundamental concepts in physical science. Course content includes the structure and properties of matter, chemical reactions, motion and forces, conservation of energy, and interactions of matter and energy. Topics are incorporated in both classroom and laboratory minds-on and hands-on investigations. **This course does NOT count as a lab science.**

Physics 1

Level: H Credit: 1 Grade: 11-12

Prerequisite: C or better in Algebra 2 with Probability

This laboratory-oriented science course focuses on mechanics and energy. Areas of investigation include forces, velocity, acceleration, gravity, circular motion, work, power, and energy. The honors level course emphasizes a mathematical approach with extensive laboratory experiences, research, and projects.

Physics 1 AP Prep (West Florence only)*Level: H Credit: 1 Grade: 11-12**Prerequisite: B or better in Algebra 2 with Probability*

Students enrolled in AP Prep Physics must also be enrolled in AP Physics 1 in the spring semester, as they are paired courses. This rigorous course goes at a fast pace and covers more material in greater depth than Honors Physics. The course focuses on mechanics and energy. Areas of investigation include forces, velocity, acceleration, gravity, circular motion, work, power, and energy. Students are expected to write out explanations of how they solved problems and how they relate to the concepts and objectives taught. **Students cannot receive credit for both Physics 1 and AP Prep Physics 1.**

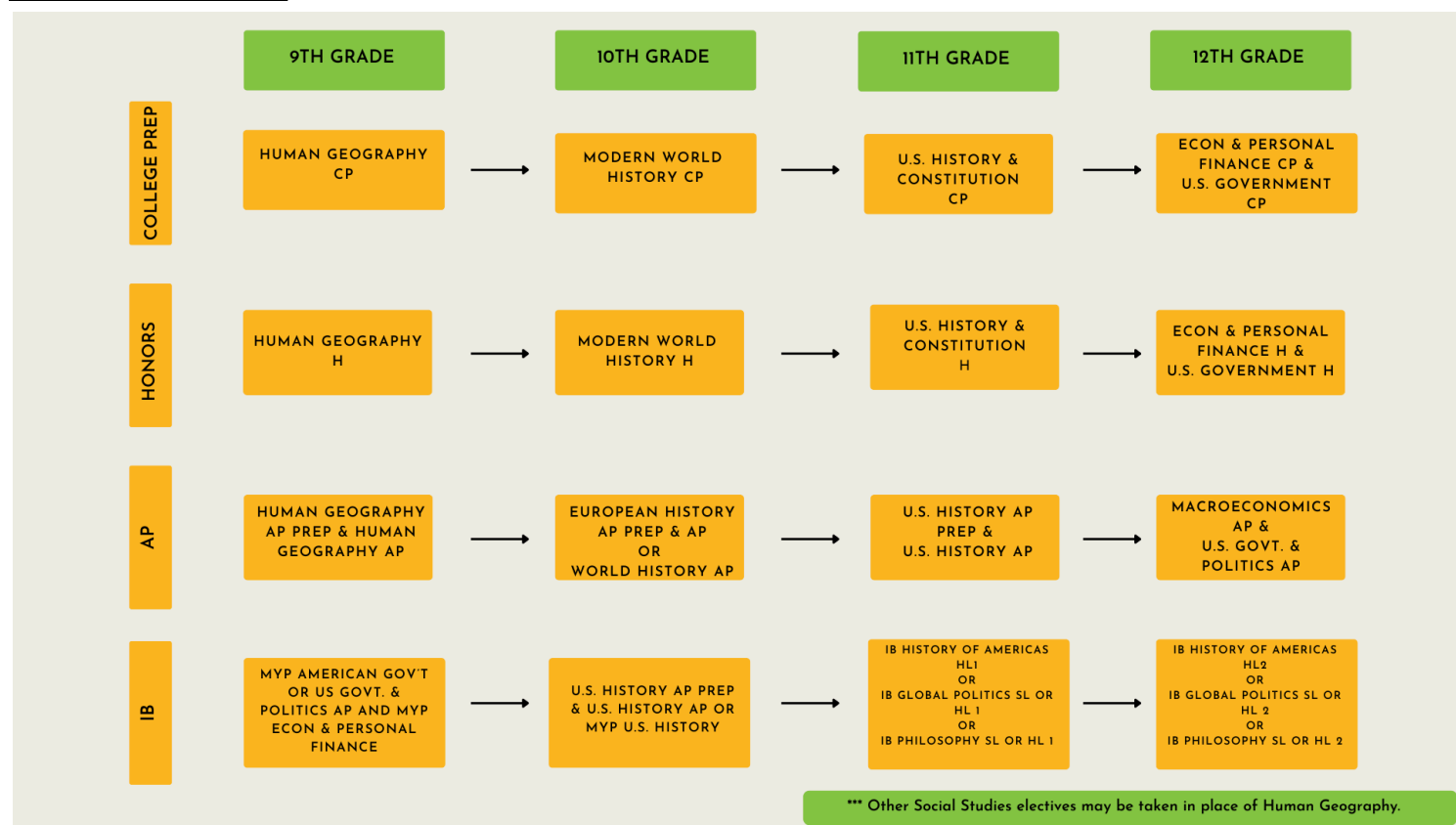
AP Physics (West Florence only)*Level: AP Credit: 1 Grade: 11-12**Prerequisite: Physics 1 AP Prep*

AP Physics 1 provides a systematic approach to scientific modeling, use of mathematics for problem solving, scientific investigations, data collection and analysis, ability to work with theories, and an understanding of the knowledge of various scales. The course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Learning strategies include drills in methods of problem solving, demonstrations, and a variety of open-ended laboratory activities. The course is focused on a series of learning objectives that clarify the knowledge and skills students should demonstrate to qualify for college credit and placement. Each learning objective combines physics content with foundational science practices. Students enrolled in the course are required to take the Advanced Placement examination for possible college credit.

IB Physics SL-1 (Wilson High Only)*Level: IB Credit: 1 Grade: 11**Prerequisite: MYP Biology or Biology 1 H, MYP Chemistry or Chemistry 1 H*

IB Physics is a challenging course offered to high school students aged 16-18 who want to pursue a career in physics or related fields. The course covers a wide range of topics, from mechanics and thermodynamics to modern physics and astrophysics. It requires a lot of hard work, dedication, and problem-solving skills, but it is also highly rewarding. By studying IB Physics, students gain a deep understanding of the fundamental principles of the universe, learn how to analyze and solve complex problems, and develop critical thinking and scientific inquiry skills.

Social Studies



African American History

Level: CP Credit: 1 Grade: 9-12

This African American studies course is designed to develop an understanding of the causes, character, and consequences of the African American experience and its influence on the world, the United States, and the African American community. Beginning with a historical, geographical, social, political, economic, and cultural understanding of the African continent, the course will provide a descriptive and corrective overview which will introduce the student to the study of the African and African American experiences.

NOTE: This course is an elective.

African American History

Level: H Credit: 1 Grade: 9-12

African Americans have made significant contributions to the economic, political, social, and cultural development of the United States. Through this course, students learn how African Americans have always been integral to the American experience. However, African Americans have also been a viable force unto themselves with their own experiences, culture, and aspirations. African American history cannot be understood except in the broader context of the United States' history. At the honors level this course entails a rigorous program of reading, research, writing and analyzing based on supplemental resources and case studies. It is strongly recommended that students have Honors English placement. **NOTE: This course is an elective.**

AP Comparative Government and Politics (South Florence only)*Level: AP Credit: 1 Grade: 9-12*

Comparative Government is a semester-long college level political science course that provides students with: a concrete understanding of the scientific method behind political comparison, a well developed sense of political theory, and a “real world” understanding of global studies through specific analysis of 6 different political entities. Throughout the course of the semester students will be learning the process that political scientists use to analyze and evaluate political systems, and then applying that process to the case studies. Upon completion of the Comparative Government class, students will be equipped to understand and evaluate current geo-political issues in an informed manner, and will have developed the tools and methodology to understand and evaluate geo-political issues that will arise in the future.

Current Events 1*Level: CP Credit: 1 Grade: 9-12*

"This elective course offers the advanced study of cultural and physical geography through the use of film, lecture, and research. The use and impact of geography on plot and characters will be examined. PREREQUISITE: Completion of 2 core Social Studies courses

NOTE: This course is an elective."

Economics & Personal Finance*Level: CP Credit: ½ Grade: 12*

Economics is required for graduation.

Economics is the standards-based study of the overall economy, including both macroeconomics and microeconomics, with an emphasis on using, refining, applying and enhancing social studies skills and concepts to the content under study. These skills and concepts include the Social Studies Literacy Elements and the Knowledge and

Cognitive Process Dimensions of the Revised Bloom's Taxonomy. Students will focus on topics such as money and banking, competition, supply and demand, factors of production, consumer rights and responsibilities, and personal financial literacy.

Economics & Personal Finance*Level: H Credit: ½ Grade: 12*

Economics is required for graduation.

Economics Honors provides a standards-based study of the overall economy including both macroeconomics and microeconomics. Students will focus on topics such as money and banking, competition, supply and demand, factors of production, consumer rights and responsibilities, and personal financial literacy. At the honors level students will read supplementary materials and analyze, synthesize, and evaluate new information as they develop critical thinking skills. It is strongly recommended that students have Honors English and Honors Math placement.

AP European History (West Florence & South Florence)*Level: AP Credit: 1 Grade: 9-12*

Prerequisite: European History AP Prep

AP European History is one semester long and follows the curriculum prescribed by the College Board. This is a college-level course that builds an understanding of the significant themes in modern European history and develops knowledge of Europe's role in world affairs. Beginning with the High Renaissance, this college-level course emphasizes intellectual and social and political history. Special emphasis will be placed on writing and interpreting historians. It is strongly recommended that students have Honors or AP English placement. Students are required to take the AP examination in May. **NOTE: This course is an elective.**

European History AP Prep*Level: H Credit: 1 Grade: 9-12*

European History (AP Prep) is an elective offered to students in preparation for AP European History, which they may take after their freshman year. It is the prerequisite for the AP European History course. This challenging course is taught at the same level and intensity at the Advanced Placement class with which it is partnered. It is taught as a college course and requires independent research by the student, and parallel readings and the analysis of primary sources. The AP Prep course is recommended for students who anticipate taking AP European History after their freshman year.

AP Human Geography (West Florence & South Florence only)*Level: AP Credit: 1 Grade: 9*

This is a college level course. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. All students are required to take the Advanced Placement examination. **NOTE: This course is an elective.**

Human Geography AP Prep (West Florence & South Florence only)*Level: H Credit: 1 Grade: 9-12*

Human Geography (AP Prep) is an elective offered to students in preparation for AP Human Geography, which they may take beginning in their freshman year. It is the prerequisite for the AP human Geography course. This challenging course is taught at the same level and intensity at the Advanced Placement class with which it is partnered. It is taught as a college course and requires independent research by the student, and parallel readings and the analysis of primary sources. The AP Prep course is recommended for students who anticipate taking AP Human Geography beginning their freshman year.

History of the Americas HL (Wilson only)*Level: IB Credit: 1 Grade: 11-12*

This is the second of a two-course sequence that prepares students for the IB Higher Level Exam taken at the end of the senior year. Students undertake a systematic and critical study of human experience; physical, economic, and social environments and the history and development of social and cultural institutions. Students develop the ability to analyze critically and evaluate theories, concepts and arguments about individuals and societies. They learn to collect, describe and analyze, and interpret complex data and source material of history.

Law Education*Level: CP Credit: 1 Grade: 9-12*

Law Education gives students an introduction to personal and practical law. The course is designed to help students understand how the law works in their daily lives, how law strives to promote fairness, and how it applies to individual rights. **NOTE: This course is an elective.**

AP Macroeconomics (West Florence & South Florence only)*Level: AP Credit: 1 Grade: 9-12*

AP Macroeconomics is one semester long and follows the curriculum prescribed by the College Board. This is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students are required to take the AP examination. It is strongly recommended that students have Honors or AP English placement or Honors Algebra. **This course meets the Economics requirement for graduation.**

Psychology*Level: CP Credit: 1 Grade: 9-12*

Psychology is an elective survey course dedicated to the holistic study of behavior. Topics include the biological bases of behavior, the learning process, sensation and perception, motivation and personality, defense mechanisms, testing, human growth and development, abnormal psychology, and leading theorists in the field. At the honors level this course entails a rigorous program of reading, research, writing and analyzing based on supplemental resources and case studies. It is strongly recommended that students have Honors English placement. **NOTE: This course is an elective.**

Psychology

Level: H Credit: 1 Grade: 9-12

Psychology is an elective survey course dedicated to the holistic study of behavior. Topics include the biological bases of behavior, the learning process, sensation and perception, motivation and personality, defense mechanisms, testing, human growth and development, abnormal psychology, and leading theorists in the field. At the honors level this course entails a rigorous program of reading, research, writing and analyzing based on supplemental resources and case studies. It is strongly recommended that students have Honors English placement. **NOTE: This course is an elective.**

AP Psychology (West Florence & South Florence only)

Level: AP Credit: 1 Grade: 9-12

Advanced Placement Psychology is a rigorous college level course that will expand students' understanding of the systematic and scientific study of behavior and mental processes of human beings and animals. Students should have a strong understanding of anatomical structure and function of the human brain, the endocrine and sensory systems, and the scientific method. Students will investigate psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will apply their knowledge and skills to case studies, laboratory experiences, and independent fieldwork. Students will study the therapeutic and pharmacological treatments for mental illnesses that are introduced in the honors Psychology course. Students will analyze current events and contemporary trends in human behavior based upon their prior knowledge of the human mind. By enrolling in this course, students are committing to taking the Advanced Placement Exam in May given by the College Board. Students in this course should take Honors English and Honors Anatomy & Physiology.

IB Psychology HL-1 (Wilson High Only)

Level: IB Credit: 1 Grade: 11

At the core of IB Psychology HL-1 is an introduction to three different approaches to understanding behavior: the biological, cognitive and sociocultural approaches. Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields. Students begin preparation of the IB's prescribed internal assessment and examinations to conclude at the end of IB Psychology HL-2. Students are exposed to more topics than the standard level and the rigor and demands are more advanced.

IB Psychology HL-2 (Wilson High Only)

Level: IB Credit: 1 Grade: 12

Prerequisite: IB Psychology HL 1

IB Psychology HL 2 is the second of the two year course of study following IB Psychology SL seminar. Students will focus on studies and developments in Psychology while preparing for IB examinations and internal assessments.

IB Psychology SL (Wilson High Only)

Level: IB Credit: 1 Grade: 12

Prerequisite: IB Psychology SL Seminar

IB Psychology SL is the second of the two year course of study following IB Psychology SL seminar. Students will focus on studies and developments in Psychology while preparing for IB examinations and internal assessments.

IB Psychology SL Seminar (Wilson High Only)

Level: H Credit: 1 Grade: 11

At the core of IB Psychology SL-1 is an introduction to three different approaches to understanding behavior: the biological, cognitive and sociocultural approaches. Students study and critically evaluate the knowledge, concepts, theories and research that have developed the understanding in these fields. Students begin preparation of the IB's prescribed internal assessment and examinations to conclude at the end of IB Psychology SL-2.

IB Philosophy HL-1 (Wilson High Only)*Level: IB Credit: 1 Grade: 11*

IB Philosophy is an exploration of fundamental questions about existence, knowledge, ethics, and the nature of reality. In this intellectually stimulating course, students will delve into classical and contemporary philosophical theories, honing their critical thinking skills through the examination of diverse perspectives. Through rigorous analysis of philosophical texts, students will engage in thoughtful discussions on topics such as metaphysics, epistemology, and ethics. By the end of this course, students will not only possess a profound understanding of philosophical principles but also the ability to articulate and defend their own philosophical perspectives.

IB Philosophy HL 2 (Wilson High Only)*Level: IB Credit: 1 Grade: 12*

IB Philosophy is an exploration of fundamental questions about existence, knowledge, ethics, and the nature of reality. In this intellectually stimulating course, students will delve into classical and contemporary philosophical theories, honing their critical thinking skills through the examination of diverse perspectives. Through rigorous analysis of philosophical texts, students will engage in thoughtful discussions on topics such as metaphysics, epistemology, and ethics. By the end of this course, students will not only possess a profound understanding of philosophical principles but also the ability to articulate and defend their own philosophical perspectives.

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Sociology*Level: CP Credit: 1 Grade: 9-12*

Sociology is an elective course that examines the social, political, religious, economic, and educational institutions that affect human relationships. A study of the following will be included: techniques of sociologists, socialization, norms, roles, deviant behavior, groups, social stratification, and social change. Students will also study society and social structure, social inequality and discrimination, religion, and the various theoretical perspectives as part of the class. **NOTE: This course is an elective.**

Sociology*Level: H Credit: 1 Grade: 9-12*

Sociology is an elective course that examines the social, political, religious, economic, and educational institutions that affect human relationships. A study of the following will be included: techniques of sociologists, socialization, norms, roles, deviant behavior, groups, social stratification, and social change. Students will also study society and social structure, social inequality and discrimination, religion, and the various theoretical perspectives as part of the class. At the honors level this course entails a rigorous program of reading, research, writing and analyzing based on supplemental resources and case studies. It is strongly recommended that students have Honors English placement. **NOTE: This course is an elective.**

United States History and Constitution*Level: CP Credit: 1 Grade: 10-12***US History and Constitution is required for graduation.**

In the United States History and the Constitution course, students will employ the skills of a historian to explore the foundation of the American Republic and the expansion and disunion of the United States. Students will investigate the impact of American industrialism and capitalism, including being drawn into world wars, on American politics and geopolitics. Through the lens of the Cold War, students will study the contemporary era including the age of technological development, increased civic participation, and political party realignment. **Students must take the state-required end-of-course U.S. History test as the final exam. It will count 20% of the final grade.**

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In the United States History and the Constitution course, students will employ the skills of a historian to explore the foundation of the American Republic and the expansion and disunion of the United States. Students will investigate the impact of American industrialism and capitalism, including being drawn into world wars, on American politics and geopolitics. Through the lens of the Cold War, students will study the contemporary era including the age of technological development, increased civic participation, and political party realignment. This course will entail a rigorous program of reading, research and writing. It is strongly recommended that students have Honors English placement. **Students must take the state-required end-of-course U.S. History test as the final exam. It will count 20% of the final grade.**

United States Government*Level: CP Credit: ½ Grade: 9-12***U.S. Government is required for graduation.**

U.S. Government Honors incorporates the structure, organization and function of the American political system. Topics studied include: foundations of the United States government, the three major branches of government, and the Constitution. Students will study the details of the political system at the national, state, and local levels. Comparisons will be made between American government and other political systems. At the honors level students will read supplementary materials and analyze, synthesize, and evaluate new information as they develop critical thinking skills.

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AP United States Government and Politics*Level: AP Credit: 1 Grade: 9-12***U.S. Government is required for graduation.**

This course follows the curriculum prescribed by the College Board and is designed to present students with an analytical perspective on government and politics in the United States. Its goals are to help students develop a critical understanding of the strengths and weaknesses of the American political system and recognize their rights and responsibilities as citizens. It also requires students to become familiar with the various institutions, groups, beliefs, and ideas that constitute the U.S. political system. Students will take the AP U.S. Government and Politics exam in May.

AP United States History*Level: AP Credit: 1 Grade: 9-12***U.S. Government is required for graduation.**

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

United States History AP Prep*Level: H Credit: 1 Grade: 9-12*

United States History (AP Prep) is an elective offered to students in preparation for AP U.S. History, which they may take in their junior year. It is the prerequisite for the AP United States History course. This challenging course is taught at the same level and intensity at the Advanced Placement class with which it is partnered. It is taught as a college course and requires independent research by the student, and parallel readings and the analysis of primary sources. The AP Prep course is recommended for students who anticipate taking AP or Honors U.S. History in their junior year. **This course does not fulfill the graduation requirement.**

IB United States History (Wilson High Only)*Level: IB Credit: 1 Grade: 11**Prerequisite: MYP US History or US History H*

IB US History is the first of a year course of study that follows the IB History of Americas HL syllabus. Students cover a variety of historical aspects of US and World History during this first year. Students are expected to write and analyze key developments in US History and their impact on citizens and the world. Students begin work on their internal assessment examination, an analysis of a key moment in history. Part 1 of a 2 year course.

Human Geography*Level: CP Credit: 1 Grade: 9-12*

Students study Earth's human geography beginning with the use of maps and other geographic representations, geospatial technologies, and spatial thinking to understand and communicate geographic information. Students will examine patterns and processes of how human characteristics and activities vary across Earth's surface and how humans understand, use, and alter the surface of Earth. Conceptual in nature rather than place specific, this course is organized systematically around the topics of population and migration geography, economic geography, cultural geography, political geography, and urban geography. Students will also learn to employ spatial concepts and landscape analysis to examine human patterns and processes and their environmental consequences. **NOTE: This course is an elective**

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Modern World History*Level: CP Credit: 1 Grade: 10*

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

NOTE: This course is an elective.

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AP World History (Wilson High Only)*Level: AP Credit: 1 Grade: 10-12*

Study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

Theory Knowledge 1 IB (Wilson High Only)*Level: H Credit: ½ Grade: 11*

Theory of Knowledge is a course that explores the natures of knowing, epistemology, ways of knowing, and other philosophical considerations for knowledge. Required course to receive the IB Diploma and taken over two years, concluding with Theory of Knowledge 2. Students will complete the TOK essay and exhibition over the two courses.

IB Theory of Knowledge II (Wilson High Only)*Level: H Credit: ½ Grade: 12*

Prerequisite: IB Theory of Knowledge I

Theory of Knowledge is a course that explores the natures of knowing, epistemology, ways of knowing, and other philosophical considerations for knowledge. Required course to receive the IB Diploma and taken over two years, concluding with Theory of Knowledge 2. Students will complete the TOK essay and exhibition over the two courses.

IB Indiv. & Soc: Global Politics SL-1 (Wilson High Only)*Level: IB Credit: 1 Grade: 11*

IB Global Politics, a course designed to foster a nuanced understanding of the complexities shaping global affairs. Students will critically analyze the intricate interactions between state and non-state actors, examining political ideologies, power dynamics, and the influence of global institutions. The curriculum integrates case studies and real-world examples to deepen comprehension of international relations, encouraging students to engage in thoughtful discourse on pressing global issues. By the end of this course, students will possess the analytical skills necessary to navigate the multifaceted landscape of global politics.

IB Indiv. & Soc: Global Politics SL-2 (Wilson High Only)*Level: IB Credit: 1 Grade: 12*

IB Global Politics, a course designed to foster a nuanced understanding of the complexities shaping global affairs. Students will critically analyze the intricate interactions between state and non-state actors, examining political ideologies, power dynamics, and the influence of global institutions. The curriculum integrates case studies and real-world examples to deepen comprehension of international relations, encouraging students to engage in thoughtful discourse on pressing global issues. By the end of this course, students will possess the analytical skills necessary to navigate the multifaceted landscape of global politics.

IB Indiv. & Soc: Global Politics HL-1 (Wilson High Only)*Level: IB Credit: 1 Grade: 11*

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IB Indiv. & Soc: Global Politics HL-2 (Wilson High Only)*Level: IB Credit: 1 Grade: 12*

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World Languages

American Sign Language 1A and 1B

Level: CP Credit: 1 Grade: 9-12

This beginning of this full-year course will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture: social beliefs, traditions, history, values and communities influenced by deafness. The second semester will introduce you to more of this language and its grammatical structures.

American Sign Language 2A and 2B

Level: CP Credit: 1 Grade: 9-12

In this course, students will build on the skills they learned in American Sign Language 1 and explore the long and rich history of Deaf culture and language. They will expand their knowledge of the language and their understanding of the world in which it is frequently used. Students will increase their sign vocabulary and improve their ability to interact using facial expressions and body language. They will also learn current trends in technology within ASL and potential education and career opportunities.

American Sign Language 3A and 3B

Level: CP Credit: 1 Grade: 9-12

As students dive into more advanced ASL signing, including unique grammar features, advanced classifiers and locatives, they'll learn, compose, and present newfound vocabulary and narratives by immersion in Deaf culture and community. Students will learn opinions, slang, and idioms, using technology and media that offers authentic Deaf perspectives. They will explore how travel, cultural differences, and geography affect sign language, and gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature. Additionally, through discussing Deaf culture and experiences, students will advance their signing skills by developing verb tenses, grammar, and syntax in real conversation activities and through opportunities to debate real issues. Students will explore the next steps in education and career opportunities for their new intermediate ASL skills.

French 1

Level: CP Credit: 1 Grade: 9-12

This course is a performance-based introduction to the language whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

French 1

Level: H Credit: 1 Grade: 9-12

Prerequisite: English 1 H and/or Algebra 1 H in 8th grade or 9th grade

This course is a performance-based introduction to the language whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

French 2

Level: CP Credit: 1 Grade: 10-12

This course is a performance-based continuation of French 1 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice High-Intermediate Low levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

French 2

Level: H Credit: 1 Grade: 10-12

Prerequisite: Completion of French 1 H

This course is a performance-based continuation of French 1 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice High-Intermediate Low levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

French 3

Level: H Credit: 1 Grade: 11-12

Requirement: Teacher Recommendation

This course is a performance-based continuation of French 2 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain a solid Intermediate Low - Intermediate Mid level of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials. Additionally students are exposed to French literature.

French 4 (West Florence Only)

Level: H Credit: 1 Grade: 11-12

Requirement: French 3 and teacher recommendation

This course is a performance-based continuation of French 1-3 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain a solid High level of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

German 1 H (Wilson High Only)

Level: MYP Credit: 1 Grade: 9-12

This course entails the essentials of grammar, principles of inflection, and basic syntax. Emphasis is on pronunciation, dictation, and simple discourse. The culture and customs of this country are explored. Students develop language proficiency as they explore the three modes of communication through interaction with authentic texts and materials and performance-based activities

German 2 (Wilson High Only)

Level: MYP Credit: 1 Grade: 10-12

This course has an emphasis on German life, art, science, literature, and similar concepts. Students develop language proficiency as they explore the three modes of communication through interaction with authentic texts and materials and performance-based activities.

German 3 (Wilson High Only)

Level: MYP Credit: 1 Grade: 12

Requirement: Teacher recommendation

In this course students will read stories of increasing complexity and learn the vocabulary from those stories. Students will learn the comparative and superlative, plurals, word order, like constructions, and passive subjunctive. Students will also learn about Switzerland, Austria, and foods and drinks. Students develop language proficiency as they explore the three modes of communication through interaction with authentic texts and materials and performance-based activities.

Spanish 1

Level: CP Credit: 1 Grade: 9-12

This course is a performance-based introduction to the language whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

Spanish 1

Level: H Credit: 1 Grade: 9-12

Prerequisite: English 1 H and/or Algebra 1 H in 8th grade or 9th grade

This course is a performance-based introduction to the language whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

Spanish 2

Level: CP Credit: 1 Grade: 10-12

This course is a performance-based continuation of Spanish 1 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain Novice High-Intermediate Low levels of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

Spanish 2

Level: H Credit: 1 Grade: 10-12

Requirement: Spanish 1 and Teacher Recommendation

This is a more intensive study than the Spanish 2 CP course - including additional material, numerous oral and written presentations, and the reading of a book entirely written in Spanish.

Spanish 3

Level: H Credit: 1 Grade: 11-12

This course is a performance-based continuation of Spanish 2 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain a solid Intermediate Low - Intermediate Mid level of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials. Additionally students are exposed to Hispanic literature.

Spanish 4

Level: H Credit: 1 Grade: 11-12

Requirement: Spanish 3 and teacher recommendation

This course is a performance-based continuation of Spanish 1-3 whereby students are engaged in the three modes of communication: interpretive, interpersonal, and presentational. Students are expected to attain a solid High level of aural-oral skills, listening and reading comprehension, formation of speech patterns, and writing via interaction with authentic texts and materials.

IB Spanish B

Level: IB Credit: 1 Grade: 11

Requirement: MYP Spanish 4 or Spanish 4 H

This is a language acquisition course designed for students with some previous Spanish experience. Students further develop their ability to communicate through the study of language, themes and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Students complete listening and reading comprehension exams, and internal assessments.

IB German B

Level: IB Credit: 1 Grade: 11

Requirement: MYP German

This is a language acquisition course designed for students with some previous German experience. Students further develop their ability to communicate through the study of language, themes and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. Students complete listening and reading comprehension exams, and internal assessments.

PHYSICAL EDUCATION AND HEALTH

PE 1

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Physically able to participate

A fundamental introduction to team and individual sports through skill development. Students learn the importance of fitness and lifetime activities to promote a physically active lifestyle. Comprehensive health will be taught during part of the course.

Weightlifting and Fitness 1-4

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Instructors Approval

The focus of this course will be **vigorous fitness**. The program will include a strength training program, health related fitness, and skill related fitness in both an individual and team setting. Students in this class design individual fitness programs. **Students participating in the school athletic programs are eligible for this course with the approval of the team coach.**

MILITARY SCIENCE

These courses satisfy the one unit of Physical Education

Junior ROTC-Air Force (West Florence and Wilson) Air Force Junior ROTC teaches students more about man's heritage of flight and the future that students face. The Air Force JROTC will help students explore civilian, industrial, and military aspects of aerospace. Leadership training stresses self-reliance and self-discipline in developing leadership skills.

Students will be exposed to such subjects as human relations, management of resources, and communications. Students will have the opportunity to learn basic drill positions and ceremonies. **Textbooks and uniforms are provided free.** *Students will need to take a half credit of Health course along with this course.

AFJROTC 1 Aerospace Education 1

Level: CP Credit: 1 Grade: 9-12

Coursework focuses on three areas: Physical Training, Leadership Education, and Aerospace History. Students learn military customs and courtesies, wear the uniform, participate in field trips, community service, and have the opportunity to participate in after school activities. **Students can receive PE or elective credit for this course.**

AFJROTC 2 Aerospace Education 2

Level: CP Credit: 1 Grade: 9-12

Prerequisite: AFJROTC 1 & Teacher approval

The curriculum is divided into three areas: Leadership Education, Aerospace Science, and Physical Training. Specific focus areas are communication, writing, and listening skills; the study of the science of flight, and exploration of space; and a focus on geographical area studies and wellness. **Students receive elective credit for this course.**

AFJROTC 3 Aerospace Education 3

Level: CP, H Credit: 1 Grade: 11-12

Prerequisite CP: AFJROTC 1 and 2 Prerequisite Honors: 90 in AFJROTC 2 and Instructor approval

CP focuses on Leadership Education, Aerospace Science, and Physical Training. Curriculum includes life skills and career opportunities, financial management, geographical area studies, and wellness. The **Junior ROTC Honors Classes** focus on developing the cadet leaders. Honors cadets form the leadership for the entire ROTC program. Cadet leaders are directly responsible for junior cadets and will be assigned additional duties that directly affect the overall program. **Honors** students must complete an Honors project. **Students receive elective Honors credit for this course.**

AFJROTC 4 Aerospace Education 4

Level: CP, H Credit: 1 Grade: 11-12

Prerequisite CP: AFJROTC 1, 2, and 3 and Instructor approval

Prerequisite Honors: 90 in AFJROTC 3 and Instructor approval

The curriculum is divided into two areas: Leadership Education and Physical Training. Focus areas include principles of management, delegation, wellness, and nutrition. CP Students may have the opportunity to assume leadership roles within the cadet organization. The **honors curriculum** encourages the development of leadership and management techniques that are consistent with the US Air Force and large businesses. Honors cadets form the leadership for the entire program. Cadet leaders are directly responsible for junior cadets and will be assigned additional duties that directly affect the overall program. All honors students must complete an Honors project.

Students receive elective Honors credit for this course.

Junior ROTC-Naval (South Florence)

Naval Junior ROTC is a course designed to instill in students the values of citizenship, service to the United States, personal responsibility and a sense of accomplishment. Classroom instruction is augmented throughout the year by extra-curricular activities of community service, academic, athletic, drill, and orienteering competitions, field meets, visits to naval or other activities, marksmanship sports training, and physical fitness.

(NJROTC 1) Naval Education 1

Level: CP Credit: 1 Grade: 9-10

Course content includes an introduction to the U.S. Navy and the NJROTC program; leadership, citizenship and the American government; an introduction to wellness, fitness, and first aid to include diet, exercise and drug awareness; an introduction to geography, orienteering, survival and map reading skills. Students will also learn the basics of military etiquette, close order drill and marksmanship.

(NJROTC 2) Naval Education 2

Level: CP Credit: 1 Grade: 10-11

Prerequisite: Naval Education 1 –Grade C or better

Course content includes ongoing instruction in leadership and an introduction to maritime history from the ancient Phoenicians to the modern era. Students will also be introduced to various aspects of the nautical sciences to include maritime geography, oceanography, meteorology, astronomy and physical science.

(NJROTC 3) Naval Education 3

Level: CP Credit: 1 Grade: 11-12

Prerequisite: Naval Education 2-Grade C or better

Course content includes instruction in sea power and national security, naval operations and support functions, military law and international law and the sea. This course also provides an introduction to ship construction and damage control, shipboard organization and watch standing, basic seamanship, marine navigation and naval weapons and aircraft.

(NJROTC 4) Naval Education 4

Level: CP Credit: 1 Grade: 11-12

Prerequisite: Naval Education 3-Grade C or better and permission of the Senior Naval Education Instructor

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

Fine Arts *(also see pg. 26 for dual credit and other advanced arts courses)*

BAND

Band 1 - 4 (Intermediate Band)

Level CP Credit: 1 per semester (yearlong course) Grades 9-10

Prerequisite: Middle school teacher recommendation for grade 9; HS band director approval grade 10

This course is a continuation of the band from middle school where the standards based study of music techniques and literature essential to wind and percussion performance are expanded and emphasized. Course content includes required performance activities including concerts, marching, and other public and classroom performances. It is recommended that students register for both fall and spring each year for successful skills progression.

Band 1 - 4

Level H Credit: 1 Grades 9-12

Prerequisite: Audition and/or teacher recommendation.

Band 1 Honors is a course for advanced musicians. Honors band classes are performance-based and as a result are directly tied to co-curricular activities. Auditions and concerts outside the regular school day are required. Students will be required to participate in winter and spring concerts, SCBDA Concert Performance Assessment, Florence All-City Band auditions and clinic, SCBDA Region and All-State Band auditions and clinic, SCBDA Solo and Ensemble and other performances determined by the school Director of Bands. Honors students must register each fall and spring.

Marching Band with PE 1

Level CP Credit: 1 Grades 9-12 (targeted to 9th grade)

Prerequisite: Satisfactory 8th grade band participation and band director recommendation

Course incorporates PE into the marching band curriculum. Students will have to complete a pre and post Fitnessgram (or equivalent), a Personal Fitness Plan (PFP) and additional coursework to be eligible to receive the PE credit in addition to all marching band course requirements. *Students will need to take a half credit Health course along with this course.

Band 5 and 6

Level H Credit: 1 Grades 10-12

Prerequisite: Audition and/or teacher recommendation.

Band 2 Honors is a course for advanced musicians. Students will be expected to consistently demonstrate a mature characteristic tone quality on their instrument. Auditions and concerts outside the regular school day are required. Band 2 Honors will be required to participate in marching band, winter and spring concerts, SCBDA Concert Performance Assessment, Eastern District Honor Band auditions and clinic, SCBDA Region and All-State Band auditions and clinic, SCBDA Solo and Ensemble and other performances determined by the school Director of Bands. Honors students must register each fall and spring.

Band 7 and 8 (Advanced, Symphonic or Honor Band)

Level H Credit: 1 per semester (yearlong course) Grade: 11 or 12

Required: Audition or teacher recommendation DE option may be available for seniors.

This course is a continuation that is open by audition or teacher recommendation after completion of band 2 or 3. Standards based skills development in music history, music appreciation and performance are expanded and emphasized according to advanced state sanctioned skills levels as mandated by the South Carolina Band Directors Association (SCBDA). Performance in the community, in state sanctioned music events, school and community concerts and marching are required. It is recommended that students register for both fall and spring each year for successful skills progression.

Band/Flags 1-4*Level: CP Credit: ½ Grade: 9-12**Prerequisite: Audition Required: Appropriate dance attire and shoes.*

This is an audition-only dance class that emphasizes skills required for the development of strength, flexibility, control and endurance necessary for a flag dance ensemble. Students will be taught how movement, dance elements, body, space, time and dynamics contribute to the functional and artistic expression needed to perform with a band ensemble. Upper level classes will include choreography & dance design. This is a performance-based class that requires public, school, & state-sanctioned performances.

Percussion 1-2*Level: CP Credit: 1 Grade: 9-12**Note: Percussionists interested in the Marching Band with PE option should be enrolled in that section*

Percussion is class design especially for percussionists to learn the proper techniques. Standards-based instrumental music skills development; music history, music appreciation, and performance are expanded and emphasized. Performance in the community in state sanctioned music events, school and community concerns, and marching are required. It is recommended that students register for both fall and spring each year for successful skills progression.

Percussion 3-4*Level: H Credit: 1 Grades: 11-12 The DE option may be available for seniors.*

Percussion is a class designed especially for percussionists to learn the proper techniques. Standards-based instrumental music skills development; music history, music appreciation, and performance are expanded and emphasized. Performance in the community in state sanctioned music events, school and community concerns, and marching are required.

Percussion 5-8*Level: H Credit: 1 Grades: 11-12 The DE option may be available for seniors.*

Percussion courses help students develop and enhance performance techniques through percussion-specific pedagogy. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g., concert, marching, orchestral, and modern) in the context of percussion ensemble or as part of the full band ensemble. Formal and informal performances may be included as part of the instructional program which may also include experiences in creating and responding to music. Specific course content should align with existing standards for visual and performing arts proficiency.

ORCHESTRA, GUITAR, & PIANO**Orchestra 1 - 4***Level: CP Credit: 1-each semester Grade: 9-10**Prerequisite: Teacher approval*

This course is a continuation of strings from middle school that emphasizes standards-based development of the techniques essential to string instruments (violin, viola, cello, and string bass). The study of music literature and appreciation of different periods and styles of music will be emphasized. This is a performance-based class with required community and school performances. It is recommended that students register for both fall and spring each year for successful skills progression.

Orchestra 1 - 4*Level: H Credit: 1-each semester Grade: 9-12**Prerequisite: Audition and/or teacher recommendation*

This is a course designed for advanced musicians and is performance-based with co-curricular obligations. Auditions and concerts outside the regular school day are required. Students will be required to participate in winter and spring concerts, SCMEA Concert Performance Assessment, Florence All-City Orchestra, Region and All-State Orchestra auditions, SCMEA Solo and Ensemble and other performances determined by the school orchestra director. Honors students must register in fall and spring.

Orchestra 5 - 6

Level: H Credit: 1-each semester Grade: 10-12

Prerequisite: Audition and/or teacher recommendation

This is a course designed for advanced musicians and is performance-based with co-curricular obligations. Students will be expected to consistently demonstrate a mature characteristic tone quality on their instrument. Auditions and concerts outside the regular school day are required. Students enrolled in Instrumental Music: Orchestra 2 Honors will be required to participate in winter and spring concerts, Florence Youth Orchestra auditions, Region and All-State Orchestra auditions, SCMEA Solo and Ensemble and other performances determined by the school orchestra director. Honors students must register in fall and spring.

Orchestra 7 and 8 (Advanced Ensemble)

Level: H Credit: 1 Grade: 10-12

Prerequisite: Audition or teacher recommendation. DE option may be available for seniors

This standards-based course is a continuation of advanced orchestra technique, performance, and study of music literature and appreciation. This is a performance-based class that requires community and school performances as part of the curriculum. It is recommended that students select fall and spring credit each year for successful skills progression.

Guitar 1 and 2

Level: CP Credit: 1 Grade: 9-12

This course is designed for the beginner student with no prior music or guitar experience. Students will learn guitar fundamentals, note reading and basic music theory.

Piano 1 and 2

Level: CP Credit: 1 Grade: 9-12

This course is designed for the beginner student with no prior music or piano experience. Students will learn piano fundamentals, note reading and basic music theory.

Piano 1 - 4

Level: H Credit: 1 Grade: 9-12

Two levels of DE piano may be available at SFHS after completing the honors sequence

These courses are for beginning through advanced players at South Florence High School looking to attain technique in piano playing and performance. Courses are a sequential program of piano technique, musical literacy, historical repertoire, and music theory.

CHORAL**Chorus 1 - 4**

Level: CP Credit: 1-each semester Grade: 9-12

Prerequisite: None

This is a beginning chorus class open to any student. Basic singing skills are taught with an emphasis on posture, tone quality, and diction. Chorus 1 and 2 are performance-based classes. Students are required to participate in school and community concerts. Classes at some campuses may be part-specific such as SSA or TTB.

Honors Chorus 1 - 4

Level: H Credit: 1-each semester Grade: 9-12

Prerequisite: Audition and/or teacher recommendation. DE option available for juniors and seniors.

This is a course designed for advanced musicians and is performance-based with co-curricular obligations. In addition to all general chorus obligations, participation in auditions and concerts out of the regular school day are required. Students will be required to participate in winter and spring concerts, All-State and other festival auditions, All-City Chorus, and other performances as determined by the school choral director. Honors students must register in fall and spring.

Chorus 5 - 8

Level: H Credit: 1-each semester Grade: 11-12

Prerequisite: Teacher recommendation DE option available for seniors

This is a course for students with previous choral experience or teacher approval. Students are able to sing and perform repertoire in four-part harmony at an advanced level. Correct posture, tone quality, and diction are stressed. This is a performance-based class with required public and school sponsored performances. It is recommended that students register for both fall and spring each year for successful skills progression. Some sections may require an audition and year-long commitment (Knight Edition, Choraliers, Tiger Production).

THEATRE ARTS**Theatre Arts 1**

Level: CP Credit: 1 Grade: 9-12

This class is an introduction to the world of drama, including its history and basic elements of acting skills and techniques. Students will also learn the basic elements of the stagecraft, including lighting, set design, costumes, and makeup.

Theatre Arts 1

Level: H Credit: 1 Grade: 9-12

Prerequisite: FOCA audition and/or teacher recommendation.

In this course, serious-minded students will engage in exploration of theatre practice, performance technique, theatre history, design and production, and playmaking. Through individual and group research, project-based units, collaborative practice, as well as peer and self-evaluation, students will build foundational awareness of the rigors of theatrical practice, establish a critical vocabulary, and gain a working knowledge of the tenets of the art form throughout history.

Theatre Arts 2

Level: CP Credit: 1 Grade: 10-12

Prerequisite: Theatre 1 or teacher recommendation

This course is a continuation of Theatre 1 expanding skills and techniques necessary for school and community performances. Contemporary literature for theatre study will be included in this performance based class.

Theatre Arts 2

Level: H Credit: 1 Grade: 10-12

Prerequisite: FOCA audition and/or teacher recommendation.

This course is designed for the serious-minded student who plans to engage in further instruction in theater, whether as a performer, scholar, designer, or technician. Students will engage in exploration of theater practice, performance technique, theater history, design and production, and playmaking. Through individual and group research, project-based units, collaborative practice, as well as peer and self-evaluation, students will build foundational awareness of the rigors of theatrical practice, establish a critical vocabulary, and gain a working knowledge of the tenets of the art form throughout history.

Theatre Arts 3

Level: H Credit: 1 Grade: 11-12

Prerequisite: Theatre Arts 2, audition or teacher approval

This course is a performance-based class that will expand students' skills in acting with high school and community audiences. Students will participate as playwrights and researchers as they connect themes and characters to their casted roles. Students will also assist with set and prop work and help to make lighting and costume decisions.

Theatre Arts 4

Level: H Credit: 1 Grade: 11-12

Prerequisite: Theater 3, audition or teacher approval. DE option may be available for seniors

This advanced course is a performance-based class in which students will employ acting and directing skills for high school and community audiences. Students will participate as playwrights and researchers as they connect themes and characters to their casted roles. Students will make necessary lighting, set, costume, and prop decisions.

Technical Theatre Arts

Level: H Credit: 1 Grade: 12

Prerequisite: Theater Arts 4 and audition or teacher approval. DE option may be available for seniors

This advanced course is a performance-based class in which students will employ acting and directing skills for high school and community audiences. Students will participate as playwrights and researchers as they connect themes and characters to their casted roles. Students will make necessary lighting, set, costume, and prop decisions.

DANCE- South Florence Only**Dance 1 - 8**

Level: CP / H Credit: 1 Grade: 9-12

Required: Specific dance attire and shoes DE option may be available for seniors

This standards-based course is designed to allow students to receive beginning through advanced dance instruction in various styles.. The courses are principally performance based, but will also include the study of movement/dance vocabulary, choreographic tools, and composition principles used to evaluate dance. Students will learn dance/movement elements: body, space, time dynamics and effort, and will prepare public performances.

MUSIC THEORY AND APPRECIATION**Music Appreciation (Introduction to Music)**

Level: CP Credit: 1 Grade: 9-12

This introductory course in the study of music history and literature is appropriate for all college bound students. Music through the ages will be studied. No performance skills are needed..

AP Music Theory

Level: AP Credit: 1 Grade: 10-12

Prerequisite: Teacher recommendation DE option may be available at SFHS

Students of above-average ability in music may elect to take this course. The curriculum as specified by the Advanced Placement Program of the College Entrance Examination Board will be followed. **All students enrolled in the AP course will be required to take the College Board administered examination.**

VISUAL ARTS *(also see pg. 26 for dual credit and other advanced visual arts courses)***Art 1**

Level: CP Credit: 1 Grade: 9-12

This course reflects sequential art growth and understanding from one learning level to the next. All students can sign up for Art 1; however, students are promoted to higher levels on the teacher's recommendation. Some students may be promoted to Art 2 with recommendation from middle school art teachers based on class performance (i.e. attitude, cooperation, interest level and participation) and class evaluation (i.e., grades).

Art 1

Level: H Credit: 1 Grade: 9-12

Prerequisite: Art 1 & Art 2 in middle school with B/80 or higher. Teacher recommendation and portfolio review.

This course is an advanced study of the elements and principles of art that integrates a study of art history and art criticism while building on a student's art knowledge and skills. Each assignment relates to movements or artists from art history and is a problem-solving exercise that explores various mediums and ideas. Through personal exploration of mediums, individual research, working through visual problems in a sketchbook, and creating works as both individuals and as teams, students will enhance their abilities in strong composition, techniques, and processes as they build a portfolio that exhibits growth within their work.

Ceramics & Pottery 1 & 2

Level: H Credit: ½ Grade: 9-12 SFHS FOCA

Prerequisite: Audition or instructor approval and or portfolio review

Advanced study of the elements and principles of ceramics and pottery that integrates a study of art history and art criticism while building on a student's art knowledge and skills. Works created in this course are more in-depth with higher expectations on visual quality and craftsmanship, with the intention of a student beginning to develop a personal style in ceramics and pottery making.

Digital Art 1 & 2

Level: H Credit: ½ Grade: 9-12 SFHS FOCA

Prerequisite: Audition or instructor approval and or portfolio review

Advanced study of the elements and principles of digital art that integrates a study of art history and art criticism while building on a student's art knowledge and skills. Students will work independently or in design teams, conduct in-depth studies in career applications, and engage in deeper investigation into techniques and processes involved in commercial and individual digital artmaking.

Drawing 1 & 2

Level: H Credit: ½ Grade: 9-12 SFHS FOCA

Prerequisite: Audition or instructor approval and or portfolio review

Advanced study of the foundational value and principles of drawing that integrates a study of art history and art criticism while building on a student's art knowledge and skills. Through personal exploration techniques, individual research, working through problems, and creating drawings as both individuals and as teams, students will enhance their abilities in strong composition, techniques, and processes as they build a portfolio that exhibits growth within their work.

Painting 1 & 2

Level: H Credit: ½ Grade: 9-12 SFHS FOCA

Prerequisite: Audition or instructor approval and or portfolio review

Advanced study of the elements and principles of painting that integrates a study of art history and art criticism while building on a student's art knowledge and skills. Works created in this course are more in-depth with higher expectations on visual quality and craftsmanship, with the intention of a student beginning to develop a personal style in painting.

Art 2

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Completion of Art 1 and Teacher recommendation

This course is a continuation of Art 1, expanding art skills and processes in studio production, criticism, and art history.

Art 2

Level: H Credit: 1 Grade: 9-12

Prerequisite: Art 1 or Art 1 Honors with B/80 or higher; and or teacher recommendation; and/or portfolio review.

This course will prepare the highly motivated art student for the rigor of upper level art classes (3H, 4H, AP Studio). Students will develop an understanding of visual arts concepts as they relate to the development of personal style. This course provides students a variety of in-depth two and three-dimensional design experiences. Students will apply these principles in individual artistic expressions. Advanced drawing from observation, participation in art exhibits, and technical competency are emphasized. Peer critiques and the regular maintenance of a sketchbook and portfolio are required. The pace is accelerated and expectations in problem-solving, application of techniques, and craftsmanship are high. The portfolio of work expected at the end of the Art 2 Honors course should demonstrate growth and development of a personal style.

Art 3

Level: H Credit: 1 Grade: 10-12

Prerequisite: Completion of Art 2 and Teacher recommendation

This course is a continuation of Art 2 with advanced techniques in creating two and three-dimensional art work. Students are expected to be able to self-critique their work and explore in depth the style of specific artists and cultures.

Art 4

Level: H Credit: 1 Grade: 10-12

Prerequisite: Completion of Art 3 and Teacher recommendation.

This course is an advanced class where students will pursue an individual exploration of specific techniques, processes, and stylistic characteristics to develop a personal portfolio of work. Students taking this course may advance to AP Studio Art and continue their portfolio.

IB Visual Arts SL Seminar (Wilson High Only)

Level: IB Credit: 1 Grade 11

The IB Visual Arts 1 course explores the developments in art and technique at a high level. Students explore various art techniques and styles while learning to convey their ideas and emotions visually. The course encourages students to think critically about art, develop their artistic skills, and reflect on the cultural and historical aspects of art. By the end of the course, students will have a portfolio showcasing their personal artistic journey and a deeper appreciation for the world of visual arts. Part 1 of a two year high level course.

IB Visual Arts SL Seminar (Wilson High Only)

Level: H Credit: 1 Grade: 11

The IB Visual Arts SL seminar course explores the developments in art and technique at the standard IB level. Students explore various art techniques and styles while learning to convey their ideas and emotions visually. The course encourages students to think critically about art, develop their artistic skills, and reflect on the cultural and historical aspects of art. By the end of the course, students will have a portfolio showcasing their personal artistic journey and a deeper appreciation for the world of visual arts. Part 1 of a two year standard level course.

IB Visual Arts 2 HL (Wilson High Only)*Level: IB Credit: 1 Grade: 12**Prerequisite: IB Visual Arts 1 HL*

The IB Visual Arts 2 HL course continues having students study the developments in art and technique at the higher IB level. Students explore various art techniques and styles while learning to convey their ideas and emotions visually. The course encourages students to think critically about art, develop their artistic skills, and reflect on the cultural and historical aspects of art. By the end of the course, students will have a portfolio showcasing their personal artistic journey and a deeper appreciation for the world of visual arts. Part 2 of a two year standard level course. Students must present an exhibition and comparative study of two authors by the end of the course.

AP Art History (South Florence and Wilson)*Level: AP Credit: 1 Grade: 11-12**Prerequisite: Completion of Art 3 and Teacher Recommendation*

This is an intensive course in the study of Art History. The course is consistent with the Advanced Placement standards as outlined by the College Entrance Examination Board. All students in AP Art History are required to complete the College Board examination.

AP 2D, 3D, or Drawing (South Florence and Wilson)*Level: AP Credit: 1 Grade: 11-12**Prerequisite: Completion of Art 3 and Teacher Recommendation*

AP Art is an intensive full-year studio course offering the stimulating challenge of **college-level** study in art. The course is consistent with the Advanced Placement standards as outlined by the College Entrance Examination Board. **All students are required to submit a portfolio of their choosing (2D, 3D, or Drawing) at the completion of the course for the College Board examination.**

Advanced Art Studio 1*Level: H Credit: 1 Grade: 10-12**Prerequisite: Teacher permission and completed art sequence*

Adv. Art Studio is for students who have completed a visual arts course sequence and seek additional advanced training. The course focuses on independent creative work in which students apply art elements and design principles to produce unique and personal art. Students taking Adv. Art Studio should have submitted or are working towards submitting an AP Art and Design portfolio.

Advanced Art Studio 2*Level: H Credit: 1 Grade: 11-12**Prerequisite: Teacher permission and completed art sequence*

Adv. Art Studio is for students who have completed a visual arts course sequence and AP Art and seek additional advanced training. The course focuses on independent creative work in which students apply the elements of art and principles of design to produce increasingly unique and creative artworks.

Digital Arts*Level: CP Credit: 1 Grades: 9-12*

Students will create digital artwork using Adobe Creative Suite and other advanced applications. Historical periods and artists are compared and contrasted through reading, writing, and computer-based activities. Aesthetic valuing and criticism are infused within the curriculum through verbal and written critiques of student work and masterworks selected for study.

Graphic Design*Level: CP Credit: 1 Grades: 9-12*

This course focuses on the procedures commonly used in the graphic communication and design industries. Students will gain experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic communications.

Three-Dimensional Design 1

Level: CP Credit: ½ Grade: 9-12

This Three-Dimensional Design class focuses on projects that are three-dimensional in nature. The third dimension refers to forms that have height, width, and depth. Students will produce both functional and aesthetic pieces of work with an emphasis on clay.

Three-Dimensional Design 2

Level: CP Credit: ½ Grade: 11-12

This course is designed to further expand concepts learned in Three-Dimensional Design 1. Students will continue their study in the clay medium and explore new possibilities of papier-mâché, polymer clay, basketry, plaster, and foil. The class will be preparing for a career in marketing, retail, or elementary education.

DIGITAL MEDIA PRODUCTION**Music Technology (Audio Engineering, SFHS) 1 - 4**

Level: H Credit: 1 Grade: 9-12

Students learn about live and studio recording and about increasingly complex professional studio techniques including recording, editing, mixing, and mastering audio using ProTools and other industry-standard software and hardware. Students will produce multitrack recordings through a series of engaging hands-on projects in a professionally-equipped recording studio.

Media Arts 1 (SFHS)

Level: CP Credit: 1 Grade: 9-12

Course curriculum includes interviewing, script writing, video production, and broadcasting. Students will write and produce news broadcasts, building on the broadcasting program offered in the middle school and prepare them for a college major in media studies.

Media Arts 2 (SFHS)

Level: CP Credit: 1 Grade: 9-12

This course will include video production, short films, and stop motion animation. Students will write and produce films, building on the knowledge and skills acquired in Media Arts 1."

Photography 1-2

Level: CP/H Credit: 1 Grade 10-12

Prerequisite: Teacher recommendation

Courses will focus on photography as an art form and include skills and techniques related to portrait, event, and still life photography.

Video Production 1

Level: CP Credit: 1 Grade: 9-12

Required: Teacher recommendation

This course will cover the fundamentals of video broadcasting such as scripting, production, and postproduction of a story. Students will learn writing, interviewing on-and-off camera skills, and broadcast ethics. They will be using a variety of technology such as digital video cameras, digital cameras, computers, Movie Maker software, and microphones.

Video Production 1

Level: H Credit: 1 Grade: 9-12

Required: FOCA audition

This course will cover the fundamentals of video broadcasting such as scripting, production, and postproduction of a story for. Students will learn writing, interviewing on-and-off camera skills, and broadcast ethics. Students will use a variety of technology such as digital video cameras, computers, microphones, and professional editing software in a professional studio environment.

Video Production 2

Level: CP Credit: 1 Grade: 9-12

Require: Application; Interview

This course is for students who have completed Video Broadcasting 1. It will explore the more complex dimensions of video broadcasting such as scripting, production, and postproduction of a story. Students will focus on media ethics, television anchoring, and various lighting and directing styles while using a variety of technology.

Video Production 2

Level: H Credit: 1 Grade: 9-12

Require: AMP audition and Video Production 1H

This course is for students who have completed Video Broadcasting 1H and will explore the more complex dimensions of video broadcasting such as scripting, production, and post-production of a story. Students will focus on media ethics, television anchoring, and various lighting and directing styles while using a variety of technology in hands-on activities in a professionally equipped studio.

Video Production 3

Level: H Credit: 1 Grade: 11-12

Prerequisite: Video Production 1 & 2, Teacher approval

This course is open to students who have completed Video Production 2 and have secured instructor's approval. It will delve into the diversity of software available for video production, including the production and postproduction of a story. Students will focus on professional software, and maintain the responsibility of supervising the morning broadcast.

Video Production 4

Level: H Credit: 1 Grade: 11-12

Prerequisite: Video Production 3, Teacher approval

This course is open to students who have completed Video Production 3 and have secured instructor's approval. It will continue to increase their mastery of professional video production software. In addition to supervising the morning broadcast, students will do production projects for the Florence community.

OTHER ELECTIVES

Driver Education

Level: CP Credit: 1 Grade: 10-12

Require: Beginner's Permit

This course is designed for all eligible high school students who are physically fit and of legal driving age. The semester course consists of a minimum of 30 classroom hours of instruction, six hours of behind the wheel driving, and six hours of actual observation.

Teacher Cadets

Level: DC/FMU Credit: 1 Grade: 12

Teacher Cadets is designed for seniors with an overall B average who wish to explore a career in education. It carries the possibility of 2 hours of college credit. Students study The Teacher and The School. Material is presented through lecture, group projects, guest speakers, videos, computer simulations, internships, and a College Day. Cadets do internships in elementary, middle, or high schools where they serve under master teachers as they tutor, teach mini lessons, and assist as needed.

AP Computer Science Principles

Level: AP Credit: 1 Grade: 10-12

Prerequisite: B or higher in Algebra 2 with Probability Honors, concurrent enrollment or completion of Pre-Calculus Honors

The 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 using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. The AP Computer Science A course must include a minimum of 20 hours of hands-on structured lab experiences to engage students in individual or group problem solving. Thus, each AP Computer Science A course includes a substantial laboratory component in which students design solutions to problems, express their solutions precisely (e.g., in the Java programming language), test their solutions, identify and correct errors (when mistakes occur), and compare possible solutions. This course meets the Computer Science requirement for graduation.

AP SEMINAR

Level: AP Credit: 1 Grade 10 or 11

Prerequisite: Grades of A or high B in 9th or 10th grade honors English; successful completion of other AP coursework Description from the College Board

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments.

ITGS (Information Technology for a Global Society)

Level: IB Credit: 2 Grade: 11-12

(Information Technology for a Global Society) is the study and evaluation of the impact of information technology on individuals and society. Students will explore the advantages and disadvantages of using information technology on the local level and the global. Students will engage in a variety of class activities, discussions, and writing assignments to facilitate their understanding of the course objectives.

Career Planning and Development

Level: H Credit: 1 Grade: 11-12

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio. This course will also include a Google Classroom component for two self directed projects.

Leadership

Level: H Credit: 1 Grade: 9

This project-based learning course provides students with the opportunity to learn critical study-skills, critical-thinking skills, and organizational skills that are imperative for high school success. Integrating best strategies from S.T.E.M., A.V.I.D., and project-based learning, students will engage standards from all four core-subjects and will practice modeling and mastering the values of the South Carolina Department of Education Profile of a South Carolina Graduate. Students will strengthen their ability to draft extensive writing compositions, speak in Socratic discussions, create detailed Cornell notes, and heighten effective public speaking skills. This course also includes career exploration, college and admissions criteria exploration, and establishes a student understanding of G.P.A., and state graduation requirements.

SUAS Scholarsh (DRONES)

Level: CP Credit: 1 Grade: 10-12

This course provides the fundamentals of aeronautical systems and technologies that leads students to become certified in Federal Aviation Administration (FAA Part 107) certification. After completion of this class, students will have a general knowledge and understanding of FAA Rules and regulations, sUAV (small Unmanned Aerial Vehicles), sUAS (small Unmanned Aircraft Systems) operations, safety procedures and policies, weather reporting, maintenance and operating procedures.

Independent Study

Level: CP or H Credit: 1 Grade: 11-12

Independent study allows the student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, assisting a faculty member with a research project, carrying out an independent research project, or other activities deemed appropriate.

Cinema 1 (South Florence only)

Level: CP Credit: ½ Grade: 9-12

This elective course offers the study of cultural and physical geography through the use of film, lecture, and research. The use and impact of geography on plot and characters will be examined. PREREQUISITE: Completion of 2 core Social Studies courses

NOTE: This course is an elective.

Cinema 2 (South Florence only)

Level: CP Credit: ½ Grade: 9-12

This elective course offers the advanced study of cultural and physical geography through the use of film, lecture, and research. The use and impact of geography on plot and characters will be examined. PREREQUISITE: Completion of 2 core Social Studies courses

NOTE: This course is an elective.

Personal Finance*Level: CP/H Credit: ½ Grade: 9-12*

This one-half (.5) unit Personal Finance course fulfills the requirement for graduation credit. It is designed to help students develop skills to make informed financial decisions, manage financial resources, and plan for future financial success. Using experiential activities, students will learn the basic principles of personal finance and how to manage their money in a global economy, which include budgeting, banking, insurance, mortgages, savings, investments, inheritance, retirement, tax, and estate planning. Students will also learn about consumer protection laws, internet safety, and cyber security, enabling them to safeguard financial information against technology-based attacks. This course cannot be used as a part of a CTE complete program.

AP Research*Level: AP Credit: 1 Grade: 10-12*

AP Research is an interdisciplinary course that encourages students to demonstrate critical thinking and academic research skills on a topic of the student's choosing. To accommodate the wide range of student topics, typical college course equivalents include introductory research or general elective courses.

NOTE: This course is an elective.

The courses listed below are part of the Virtual SC course offerings. These courses could be offered semester or year. AP courses and Honors courses are marked with AP and H. Please see your school counselor for more information.

Accounting	
Algebra 1	French 1
Algebra 2 with Probability	French 2
Anatomy and Physiology	Fundamentals of Web Page Design and Development
AP Art History	Geometry with Statistics
AP Biology	German 1
AP Calculus AB	German 2
AP Computer Science A	Government
AP English Language and Composition	Health Science 1
AP English Literature and Composition	Health Science 3
AP European History	Integrated Business Applications
AP Latin-Vergil	Keyboarding
Applications and Modeling	Latin 1
AP Seminar	Latin 2
AP Statistics	Latin 3 H
AP US History	Latin 4 H
Art History H	Media Arts 1
Astronomy Honors	Medical Terminology
Biology	Music Appreciation
Chemistry	Personal Finance
Child Development 1	Personal Health
Earth Science	Physical Education
Economics	Physics
English 1	Precalculus
English 1 Honors	Psychology
English 2	Sociology
English 2 Honors	Spanish 1
English 3	Spanish 2
English 3 Honors	Spanish 3
English 4	Spanish 3 H
English 4 H	Spanish 4 H
Entrepreneurship	US History and Constitution
Environmental Science	World Geography
Family Life Education	World History
Forensic Science	

CAREER AND TECHNICAL EDUCATION (CTE)

AGRICULTURE, FOOD, AND NATURAL RESOURCES CLUSTER

Agricultural Science and Technology for the Workplace

Level: CP Credit: 2 Grades: 10-12

The Agricultural Science and Technology for the Workplace course teaches 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 required to design and participate in a supervised agricultural experience.

Animal Science

Level: H Credit: 1 Grades: 10-12

Prerequisite: Agricultural Science and Technology for the Workplace

Animal Science provides an overview of the animal science industry, including information on the biological makeup of various species of agricultural livestock. It also provides students with beneficial information on animal behavior before they decide to embark on a career in Animal Science. Animal Science is recommended as a prerequisite for other courses in Animal Science. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities.

Farm Animal Production

Level: H Credit: 1 Grades: 10-12

Prerequisite: Agricultural Science and Technology for the Workplace

Farm Animal Production teaches technical knowledge and skills for entry-level positions in an animal production enterprise by developing students' competency in the selection, breeding, physiology, nutrition, health, housing, feeding, and marketing of farm animals. Typical instructional activities include hands-on experiences with the principles and practices essential in the production and management of farm animals and farm animal products for economic, recreational, and therapeutic uses; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities.

Introduction to Horticulture

Level: CP Credit: 1 Grades: 10-12

The Introduction to 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.

Sports Turf Management

Level: CP Credit: 1 Grades: 10-12

Prerequisite: Introduction to Horticulture

Sports Turf Management course is designed to teach technical knowledge and skills for entry-level positions in the Sports Turf Management career field. The principles and practices involved in establishing, managing, and maintaining grassed areas for recreational purposes are studied.

ARTS, AUDIO-VIDEO TECHNOLOGY, AND COMMUNICATION CLUSTER

Digital Art & Design 1 & 2

Level: H Credit: 1 (each) Grade: 10-12

The objective of this course is to prepare students for careers in the graphic design field. Skills may be applied in any media, such as print, digital media, product design, packaging, etc. Most standards require students to combine text and graphics to communicate an effective message in the format intended for commercial reproduction. This project-driven class stresses the development of employability skills in the field of graphics. Students are also expected to use industry software such as Photoshop, Illustrator, and InDesign. Students who have taken art and are creative are encouraged to take this course.

Digital Art & Design 3 & 4

Level: H Credit: 1 (each) Grade: 11-12

Prerequisite: Digital Arts & Design 1 and 2 and Teacher Recommendation

This class is a continuation of the level 1 program. The students will be expected to use industry software (Photoshop, Illustrator and InDesign) and design concepts, principles, and processes to manipulate text and graphics, utilize and output appropriate file formats for the web and print, meet client expectations, and complete a senior project that highlights the skills that were acquired through the 2 year program. Students who have taken art and are creative are encouraged to take this course.

ARCHITECTURE AND CONSTRUCTION CLUSTER

Building Construction Cluster 1 & 2

Level: CP Credit: 1 (each) Grade: 10-12

Building Construction 1 & 2 students are immersed in a curriculum from the National Center for Construction Education and Research (NCCER) where they learn the materials and processes for masonry, electrical, carpentry, plumbing, blueprint reading, and estimating. Students will also be involved in extensive safety training to include hand and power tools. Instruction is supplemented by various hands-on projects and activities. **Students enrolled in this course have the opportunity to gain national industry certification through the NCCER training program.**

Building Construction Cluster 3 & 4

Level: CP Credit: 1 (each) Grade: 11-12

Prerequisite: Building Construction 1 & 2 and Teacher recommendation

Building Construction 3 & 4 students continue with the NCCER curriculum and develop more advanced skills through extensive hands-on applications. Additionally, introduction to the NCCER Project Managements Curriculum surveys management skills such as: human relations, negotiations, construction documents, estimating, scheduling, cost awareness and control, quality control, and safety. **Students enrolled in this course have the opportunity to gain national industry certification through the NCCER training program.**

Electrical Line Worker 1 & 2

Level: CP Credit: 1 (each) Grade: 10-11

The Electrical Line Worker (ELW) program prepares students to enter the electric utility industry as an apprentice with a broad understanding of the skills, knowledge, safe work practices and physical ability required to perform line work. Students receive classroom and field training in math, electrical circuit analysis, power systems including Ohm's Law, AC and DC theory and analysis, generation, transmission and distribution of electrical energy and transformer theory. Climbing techniques are strongly emphasized. Safety and teamwork are demonstrated and emphasized in all phases of the training. Students entering the ELW program should pair ELW 1 and ELW 2 in the same year.

Electrical Line Worker 3 & 4

Level: CP Credit: 1 (each) Grade: 11-12

Prerequisite: Electrical Line Worker 1 and 2 and Teacher Recommendation

Electrical Line worker 3 and 4 expand upon the curriculum and knowledge of ELW 1 and 2. The Electrical Line Worker (ELW) program prepares students to enter the electric utility industry as an apprentice with a broad understanding of the skills, knowledge, safe work practices and physical ability required to perform line work. Students receive classroom and field training in math, electrical circuit analysis, power systems including Ohm's Law, AC and DC theory and analysis, generation, transmission and distribution of electrical energy and transformer theory. Climbing techniques are strongly emphasized. Safety and teamwork are demonstrated and emphasized in all phases of the training. Students should pair ELW 3 and ELW 4 the same year.

Electricity 1 & 2

Level: CP Credit: 1 (each) Grade: 10-12

Electricity is a comprehensive course that provides a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electrical field. These courses typically include AC and DC circuits, safety, and the National Electrical Code and may cover such skills as those involved in building circuits; wiring residential, commercial, and/or industrial buildings; installing lighting, power circuits, and cables; and estimating job costs. As students progress, their projects become more complex and expansive. In these courses, safety is stressed, and a career exploration component may be offered.

Electricity 3 & 4

Level: CP Credit: 1 (each) Grade: 11-12

Prerequisite: Completion of Electricity 1 & 2 and Teacher recommendation

This course begins the study of the NEC (2020 National Electric Code). The focus on the NEC continues throughout the course to provide students with preparation for those who go on to take the Journeyman exam. Course content goes on to study alternating current, electrical motors, grounding, conduit bending, cable trays, and various electrical services. Students work with hand tools, power tools, blueprints and floor plans for commercial and industrial applications. Students attending this program have the opportunity to become certified with the National Center for Construction Education and Research (NCCER). This is a nationally recognized certification program. Students may be eligible to participate in cooperative work experiences or apprenticeships, which combine career and technology training with supervised work experience in business and industry.

HVAC 1, 2, 3, 4

Level: CP Credit: 1 (each) Grade: 10-12

Prerequisite: No prerequisite for Level 1; Courses taken sequentially

HVAC Technology courses offer specialized training related to the design, installation, and repair of air conditioning systems for residential and commercial use. These courses may emphasize the theory and design of electrical, electronic, mechanical, and pneumatic control systems used in air conditioning systems; they might also (or instead) focus on procedures used in troubleshooting, servicing, and installing components of air conditioning systems.

Plumbing 1, 2, 3, & 4

Level: H Credit: 1 Grade: 10-12

Prerequisite: No prerequisite for Level 1; Courses taken sequentially

Plumbing courses provide students with instruction in installing waste and vent systems, water and gas pipes, trim, and fixtures. Skills taught include cutting and joining various types of pipe (for instance, steel or plastic) using various methods (cement, seat method, and so on).

BUSINESS, MANAGEMENT, AND ADMINISTRATION CLUSTER

Entrepreneurship

Level: CP/H Credit: 1 Grade: 10-12

This course is designed to provide students with the knowledge and skills needed to develop an effective business plan for small business ownership. An important part of the course will be the incorporation of economics, ethics, legal aspects, logistics, research, staffing, strategies for financing, and technology. This course has been approved to meet the personal finance graduation requirement.

EDUCATION AND TRAINING CLUSTER

Early Childhood Education 1 H

Level: H Credit: 1 Grade: 10-11

Early Childhood Education 1 is designed to provide students with hands-on opportunities to actively explore and observe the world of children and to prepare them for educational and administrative careers in the field. This course provides an in-depth study of career paths, developmentally appropriate practices, curriculum development, safe and healthy learning environments, and collaborative relationships. Integration of the Family and Consumer Sciences Student Organization, Family Careers and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Early Childhood Education 2 H

Level: H Credit: 2 Grade: 11-12

Prerequisite: Early Childhood Education 1 and Teacher

Recommendation

Early Childhood Education 2 is an advanced course focusing on the competencies needed to plan, guide, and care for young children in a safe, healthy, and developmentally appropriate environment. Students can acquire certification in Pediatric Safety, CPR and First Aid, Osha, Financial Literacy, Advanced child Care Training, and CDA. Students interact with professionals in the field and participate in various school-to-work activities. Student laboratory/field experiences may be school-based or in the community and include job shadowing and internships. Participation in student organizations related to this program greatly enhances the learning experience.

Introduction to Teaching H

Level: H Credit: 1 Grade: 10-12

Introduction to Teaching 1 is designed to prepare students for employment and/or postsecondary opportunities in the education field. The program provides instruction in the teaching profession, communication skills, human growth and development, planning and instructional strategies, and school-societal relationships. Technology is integrated throughout coursework. Participation in student organizations Educators Rising (former Future Educators Association) and/or Family, Career and Community Leaders of America (FCCLA) greatly enhance the learning experience.

FINANCE CLUSTER

Accounting 1 H

Level: H Credit: 1 Grade: 10-12

Prerequisite: "C" or above in Algebra 1 or Recommendation

This course is designed to help the student develop an understanding of the concepts, principles, and practices necessary in the preparation and maintenance of financial records concerned with business management and operations. Students are exposed to the accounting cycle, cash control systems, payroll, and careers in accounting.

Accounting 2 H

Level: H Credit: 1 Grade: 11-12

Prerequisite: "C" or above in Accounting 1 or Recommendation

Students will develop advanced skills that build upon those acquired in Accounting 1. Students continue applying accounting concepts related to business entities. Additional accounting skills will be developed, including preparing and journalizing payroll records, calculating and recording adjusting entries, and interpreting financial information. The student will demonstrate knowledge of accounting principles through the use of computer software and simulated activities.

Banking Services H

Level: H Credit: 1 Grade: 10-12

Banking Services is designed to offer a unique approach to understanding the banking services. It introduces banking services and functions, history and purpose of banking, money and interest, deposits in banking, negotiable instruments, bank loans, mortgages, specialized bank services, promoting the bank, security and ethics, and careers in banking. This course has been approved to meet the personal finance graduation requirement.

Business Finance H

Level: H Credit: 1 Grade: 10-12

Prerequisite: Accounting 1 Recommended

This course is designed to provide students with an understanding of how corporations, organizations, and businesses handle money. Concepts include the management of money, accounting methodologies, investing strategies, and effective financial management. This course has been approved to meet the personal finance graduation requirement.

Securities and Investments H

Level: H Credit: 1 Grade: 10-12

Securities and Investments prepares students to make intelligent investment decisions based on their personal financial needs (or on the needs of a business). Students will describe and abide by laws and regulations in order to manage business operations and transactions in the securities industry: access, process, maintain, evaluate, and disseminate information to assist in making decisions common to the securities industry; and monitor, plan, and control day-to-day securities organization activities to ensure continued business functions. Topics include the analysis of stocks, dividends, hedge funds, venture capital, bonds, mutual funds, real estate, precious metals, gems, collectibles, and futures/options markets. This course has been approved to meet the personal finance graduation requirement.

INFORMATION TECHNOLOGY**Courses approved for Computer Science Graduation Requirement**

AP Computer Science Principles (All schools)	Intro to Computer Programming (All schools)	Cybersecurity Fundamentals (Advantage Academy)
Fundamentals of Computing (All schools)	Intermediate Computer Programming (All schools)	Advanced Cybersecurity (Advantage Academy)
Fundamentals of Web Page Design and Development (All schools)	Networking Fundamentals (Advantage Academy)	Principles of Engineering (PLTW) (All schools)
Advanced Web Page Design and Development (All schools)	Advanced Networking Fundamentals (Advantage Academy)	Cybersecurity (PLTW) (WFHS)
Game Design and Development (CTE version only)	Fundamentals of Computing Part I and Part II (All Schools)	

Advanced Cybersecurity*Level: H Credit: 1 Grade: 9-12**Prerequisite: Cybersecurity Fundamentals*

In the Computer and Information Systems Security/Information Assurance program, students examine the core concepts and terminology of cyber security and information assurance, integrating the importance of user involvement, network architecture, threats, and security; operational and system security; cryptography; contingency planning; application, data, and host security; access control and identity management; and a broad range of other topics. Upon completion of the two courses, students will be prepared to earn nationally-recognized industry certifications.

Advanced Networking H*Level: H Credit: 1 Grade: 9-12**Prerequisite: Networking Fundamentals*

Advanced Networking is designed to provide students with classroom, laboratory, and hands-on experience in current and emerging networking technologies. Instruction is based on industry domains including advanced network architecture; advanced network operations; advanced network security; advanced network troubleshooting; industry standards, advanced practices, and advanced network theory; and workplace readiness and leadership skills. Particular emphasis is given to the use of critical thinking skills and problem-solving techniques.

Advanced Web Page Design and Development*Level: H Credit: 1 Grade: 10-12**Prerequisite: Fundamentals of Web Page Design*

This course is designed to provide the student with 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 the source code directly rather than using a WYSIWYG editor.

Intro to Computer Programming CP

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Any Computer related course and/or teacher recommendation

This course 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.

Intro to Computer Programming H

Level: H Credit: 1 Grade: 9-12

Prerequisite: Any Computer related course and/or teacher recommendation

This course 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.

Intermediate Computer Programming H

Level: H Credit: 1 Grade: 9-12

Prerequisite: Computer Programming 1 / Intro to Computer Programming

Building upon knowledge gained in Computer Programming 1, this course of study is designed to emphasize the fundamentals of computer programming. Topics included computer software, program design and development, and practical experience in programming, using modern, object-oriented languages.

Cybersecurity Fundamentals

Level: H Credit: 1 Grade: 9-12

Students examine the core concepts and terminology of cyber security and information assurance, integrating the importance of user involvement, network architecture, threats, and security; operational and system security; cryptography; contingency planning; application, data, and host security; access control and identity management; and a broad range of other topics. Upon completion of the two courses, students will be prepared to earn nationally-recognized industry certifications.

Fundamentals of Computing

Level: CP Credit: 1 Grade: 9-12

This course of study is designed to allow students to explore a variety of computer science topics, such as Web design, human computer interaction, programming, and problem solving. Optional topics include mobile applications, robotics, and digital animation. Students will develop critical thinking, logic, and problem solving skills relevant to today's technology.

Fundamentals of Web Page Design and Development CP

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Entry level computer science encouraged

This course is designed to provide the student with the knowledge and skills needed to design web pages. Students will develop skills in designing, implementing, and maintaining a website using authoring tools. Students will learn to design pages using basic HTML, and Microsoft FrontPage. Topics of study include copyright, publishing a web site, and advanced design techniques, such as JAVA applets.

Fundamentals of Web Page Design and Development H

Level: H Credit: 1 Grade: 9-12

Prerequisite: Entry level computer science encouraged

This course is designed to provide the student with the knowledge and skills needed to design web pages. Students will develop skills in designing, implementing, and maintaining a website using authoring tools. Students will learn to design pages using basic HTML, and Microsoft FrontPage. Topics of study include copyright, publishing a web site, and advanced design techniques, such as JAVA applets.

Game Design and Development CP

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Keyboarding proficiency and any computer programming course and/or teacher recommendation.

Game Design and Development provides students with the opportunity to design and develop fully-functioned video games with product design documentation. This course emphasizes game control and logic, design tools, and the physics of games using computer programming.

Game Design and Development H

Level: H Credit: 1 Grade: 9-12

Prerequisite: Keyboarding proficiency and any computer programming course and/or teacher recommendation.

Game Design and Development provides students with the opportunity to design and develop fully-functioned video games with product design documentation. This course emphasizes game control and logic, design tools, and the physics of games using computer programming..

Networking Fundamentals H

Level: H Credit: 1 Grade: 9-12

Networking Fundamentals provides students with classroom, laboratory, and hands-on experience in current and emerging networking technologies. Instruction is based on industry domains including network architecture; network operations; network security; network troubleshooting; industry standards, practices, and network theory; and workplace readiness and leadership skills. Particular emphasis is given to the use of critical thinking skills and problem-solving techniques. Networking Fundamentals is a prerequisite for Advanced Networking. (Recommended that students pair this course with Advanced Networking H)

HEALTH SCIENCE**Advanced Principles of Public Health H**

Level: H Credit: 1 Grade: 10-12

Prerequisite: Foundations of Public Health

This public health course takes a closer look at epidemiology and immunology and will guide students through health promotion and prevention of disease and injury through analyzing data and statistical research to understand community trends. This advanced course will provide students with tools to use critical thinking in understanding the transmission of disease and how to measure it.

Emergency Medical Services 1 H

Level: H Credit: 1 Grade: 10-12

Emergency Medical Services (EMS 1) is the first in a sequence of courses. Emergency Medical Services 1 is designed to teach students how to recognize and respond to various emergencies. Students will review basic anatomy and physiology as it relates to injury management and treatment. Students will review basic information needed for all phases of a healthcare professional. Information that students are exposed to will include legal and ethical implications, communications, safety, infection control and professionalism. In this course, students will learn what skills are necessary to recognize and care for emergencies in adults, children, and infants until professional medical help arrives. Students will obtain OSHA-Healthcare certification or FEMA Incident Command System Certification. Students will be required to perform light physical activity. Seniors planning to take EMS 1 will need to pair the course with EMS 2.

Emergency Medical Services 2 H*Level: H Credit: 1 Grade: 10-12**Prerequisite: EMS 1*

Emergency Medical Services (EMS) 2 is a continuation of EMS 1. The course includes content and skills that first responders need, to provide appropriate initial care, regardless of the type of emergency. EMS 2 stresses the steps to follow in an emergency until more advanced medical personnel arrive. The skills and content taught at this level become more specific and rigorous. Students in this course will be certified in FA/CPR/AED. Recertification may take place as needed. *Successful completion of this course may cause First Responder certification available through various national certifying bodies. A minimum grade of 75% or higher is recommended. Seniors who enroll in EMS 2 should do so in the Fall of their senior year.

Emergency Medical Services 3 H (Emergency Medical Technician)*Level: H Credit: 2 Grade: 12**Prerequisite: EMS 1 and EMS 2 AND Application acceptance with recommendations, Adult and Pediatric CPR certification, AND 80 or above in each EMS course.*

Emergency Medical Technician (EMT)- EMS 3 serves as an entry level course in professional health careers. EMT is a solid foundation for further study in pre-hospital care (Advanced EMT and Paramedic) nursing, physical and occupational therapy, and premedical studies. EMT/EMS 3 provides the student with the knowledge and skills for the emergency medical field, responsibilities, first aid measures, and use of emergency equipment. The course is partnered with Pee Dee Regional EMS through DHEC (Department of Health and Environmental Control). This course can be offered for high school seniors who are at least 17 years old. Students may test before their 18th birthday, but must be at least 18 years of age and a high school graduate to receive their NREMT certification. After the student's 18th birthday and successful completion of both the practicum and the theoretical National Registry examination for EMT, the student will be nationally registered and state certified in South Carolina. National registry cards expire in two years and state certification expires every four years.

Foundations of Public Health H*Level: H Credit: 1 Grade: 10-12**Prerequisite: Health Science 1 or Principles of Biomedical Science*

The Foundations of Public Health course will provide introductory information for students interested in public health. This course will provide an understanding of the various components that influence personal, community, and population health. Whether that be in a world affected by a pandemic or from a day-to-day perspective in a world without one. The students will be introduced to epidemiology and biostatistics while analyzing foundational principles of public health education.

Health Science 1 H*Level: H Credit: 1 Grade: 10-12**Prerequisite/Corequisite: Biology 1*

Health Science 1, Foundations of Healthcare Professions, is an introductory course designed to provide students with an overview of the healthcare careers and foundational skills to begin their journey towards the future as a healthcare professional. Upon completion of this course proficient students will be able to identify careers in these fields, compare and contrast the features of healthcare systems and begin to provide foundational health care skills. This course will serve as a foundation for all Health Science programs of study.

Health Science 2*Level: H Credit: 1 Grade: 10-12**Prerequisite: Health Science 1 and Biology 1*

Students will learn about "Transmission Based Precautions" and become more familiar with OSHA, HIPAA, and the CDC. They will learn how to take vital signs, record them, and learn what the data means. Students will learn about the stages of life and Maslow's Hierarchy of needs and how law and ethics are applied in the healthcare setting. It will also introduce students to basic nursing skills. Medical terminology, medical math, and pharmacology are incorporated throughout the lessons being taught.

Health Science - Human Structure, Function & Disease*Level: H Credit: 1 Grade: 10-12**Prerequisite: Biology 1 AND completion of level one in Health Science 1, Sports Medicine 1 or EMS 1*

Students learn how the human body is structured and the function of each of the 12 body systems. Students will study from the healthcare point of view the relationship that body systems have with disease. This is a very “hands on” course, and students will learn through projects and activities in the classroom. **This course does not count as a lab science. Students are recommended to be First Aid and CPR certified before this course.** Students should be familiar with general medical terminology and technical skills associated with vital signs. .

Health Science Clinical Study (CNA program)*Level: H Credit: 2 Grade: 12**Prerequisite: Health Science 2 AND one of the following courses: Health Science - Human Structure, Function & Disease, PLTW Human Body Systems, Medical Terminology, Science department A&P or AP Biology **OR** complete any health science pathway (e.g., PLTW Biomedical, EMS, Sports Med, Health Science).**An application for acceptance with teacher recommendations is also required for this course.*

Health Science Clinical Study is a course that guides students to make connections from the classroom to the healthcare industry through work-based learning experience/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. Students will turn those skills into real life experiences. The student, teachers, and work-based learning coordinators will work together to create opportunities for the students to get the best experience available in the district’s geographic region. Students in this course should be First-Aid and CPR certified before participating in any healthcare experience outside of the classroom. Under the direction and supervision of a registered nurse, students are prepared to perform nursing-related services to patients and residents in hospitals or long-term care facilities. **Students enrolled in this course as their 4th earned unit are considered completers in the Health Science Program and are expected to take the end of the program National Health Science Assessment and Certified Nursing Assistant exam.**

Health Careers*Level: H Credit: 1 Grade: 12**Prerequisite: 3.0 GPA and CTE Completer in Health Science, EMS, Biomed, Sports Medicine Pathway, or IB Diploma before or during Program enrollment year. Students must be accepted via Application, and students must provide transportation to and from McLeod campus.*

This course is designed to introduce high school students to a variety of health careers and provide real-world experience in a hospital setting. Following South Carolina CTE work-based learning standards, students will participate in a blend of classroom instruction, laboratory skills training, internships, and observation hours. The course will also focus on the development of leadership, soft skills, and career and college planning, culminating in a capstone project that addresses process improvements within a healthcare department. This curriculum prepares students for further education and entry into healthcare careers, giving them practical experience, leadership skills, and an understanding of the pathways available to them.

Medical Terminology*Level: H Credit: 1 Grade: 10-12**Prerequisite: Health Science 2, Sports Medicine 2, Human Body Systems, or EMS 2*

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

Pharmacology for Medical Careers (Pharmacy Technician)

Level: H Credit: 2 Grade: 12

Prerequisite: Application and 3.0 weighted GPA; Students must be a three-unit completer in any health science pathway to enroll in this course OR students must have taken the two required foundational courses in any health science pathway plus Medical Terminology, Health Science Human Structure, Function, & Disease, or Anatomy and Physiology to enroll in this course.

The primary goal of the Pharmacology for Medical Careers class is to provide students with the communication, safety and patient advocate skills necessary to gain entry level employment across a wide spectrum of workplaces, including clinical, hospital, retail and more. The course focuses on drug preparation and distribution, labeling and filling orders, record maintenance and general assistance to a licensed pharmacist. Additionally, students may work in multiple clinical or office settings in preparation to enter today's fast-paced pharmacy technician industry. After successful completion of the course, students will be eligible to take the PTCB (Pharmacy Technician Certification Board) Exam or the ExCTP (Institute for the Certification of Pharmacy Technicians) Exam. Upon passing either of the national certification exams, the student will become a certified Pharmacy Technician. This class will be facilitated by a Health Science Instructor and is a blended online/hands on curriculum.

Sports Medicine 1

Level: H Credit: 1 Grade: 10-12 (9th Grade IB track students only)

Prerequisite: Previous or concurrent course work in biology is recommended

Sports Medicine 1 emphasizes sports medicine career exploration and the prevention of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course. Students will be able to receive the American Heart Association's Heartsaver CPR and First Aid certification.

Sports Medicine 2

Level: H Credit: 1 Grade: 10-12

Grade of 75 or higher, Sports Medicine 1, Teacher Recommendation, and Heartsaver CPR and First Aid Certification.

Recommendation: Prior to taking Sports Medicine 2, successfully complete either Medical Terminology, Health Science 3: Human Structure Function and Disease, PLTW Human Body Systems, or Anatomy and Physiology

Sports Medicine 2 emphasizes assessing and rehabilitating athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the use of appropriate therapeutic modalities and exercise in the care and rehabilitation and treatment of injuries will be examined. A body systems review will be included in this course. Advanced concepts related to the administrative aspects of the sports medicine program will also be covered. Other career roles in Sports Medicine will be discussed as the athletic trainer takes the injured athlete through the pathway of recovery. Students will be able to receive the American Heart Association's Basic Life Support Certification.

Sports Medicine 3

Level: H Credit: 1 Grade: 11-12

Prerequisite: Grade of 80 or higher, Sports Medicine 2, Application, Teacher Recommendation, and BLS certification.

Recommendation: Prior to taking Sports Medicine 3, successfully complete either Medical Terminology, Health Science 3: Human Structure Function and Disease, PLTW Human Body Systems, or Anatomy and Physiology.

Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine coursework to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence-based practices affecting the practice of sports medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, and explore detailed treatment and rehabilitation procedures for common athletic injuries. Students are required to participate in a minimum of 40 hours of clinical situations either at school with their athletic department or in an outside clinical setting for real world experience.

HOSPITALITY AND TOURISM

Culinary Arts Management 1

Level: CP Credit: 2 Grade: 10-12

Culinary Arts Management 1 prepares students for gainful employment and/or entry into postsecondary education in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career opportunities. Laboratory experiences simulate commercial food production and service operations. Integration of the Family and Consumer Sciences Student Organization, South Carolina Restaurant and Lodging Association, National Restaurant Association Educational Foundation, and Family Careers and Community Leaders of America (FCCLA) greatly enhances this curriculum.

Culinary Arts Management 2

Level: H Credit: 2 Grade: 11-12

Prerequisite: Teacher Recommendation & Culinary Arts Management 1

Culinary Arts Management 2 is an advanced level course that prepares the serious culinary student for gainful employment and/or entry into postsecondary education. Content provides students the opportunity to acquire marketable skills by examining both the industry and its career options. Students have opportunities to develop skills in workplace settings. Integration of the Family and Consumer Sciences Student Organization, South Carolina Restaurant and Lodging Association, National Restaurant Association Educational Foundation, and Family Careers and Community Leaders of America (FCCLA) greatly enhances this curriculum.

Event and Entertainment Management

Level: CP Credit: 1 Grade: 10-12

Prerequisite: Intro to Hospitality and Tourism

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

Intro to Hospitality and Tourism

Level: CP Credit: 1 Grade: 10-12

Introduction to Hospitality and Tourism Management explores the nature, concepts and impact of the hospitality and tourism industry. This course focuses on foundational information about the hospitality and tourism industry and provides opportunities for students to get a taste of what hospitality and tourism is all about. Course content includes: career exploration, employability and career development skills, guest satisfaction, safety, security and environmental practices, the history of the hospitality industry, and the hospitality and tourism segments. Students are encouraged to participate in extended learning experiences such as career and technical student organizations (FCCLA and/or DECA) and other leadership or extracurricular organizations to enhance their learning.

Lodging Management

Level: CP Credit: 1 Grade: 11-12

Lodging Management is the study of the lodging industry’s history, growth, development and future direction. Students will learn what it takes to provide ideal guest experiences from a management perspective. The course covers front office procedures and interpersonal dynamics from reservations through night audit. Students are encouraged to participate in extended learning experiences such as career and technical student organizations (FCCLA and/or DECA) and other leadership or extracurricular organizations to enhance their learning experiences.

Travel and Tourism Management

Level: CP Credit: 1 Grade: 11-12

Travel and Tourism Management incorporates management principles and procedures of the travel and tourism industry and destination geography, airlines, international travel, cruising, travel by rail, lodging, recreation, amusements, attractions, and resorts. Employment qualifications and opportunities are also included in this course. Students are encouraged to participate in extended learning experiences such as career and technical student organizations (FCCLA and/or DECA) and other leadership or extracurricular organizations.

HUMAN SERVICES**Barber/Master Hair Care 1 and 2 H**

Level: H Credit: 2 (Each) Grade: 11

Prerequisite: Application Acceptance. Students must provide their own transportation to WHS for this course. Level 1 and 2 Must be taken in the same year.

The Barber/Master Hair Care Specialist Program is designed to prepare students to become Registered Barbers or Master Hair Care Specialists. The student receives training following the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation (SCLLR) Barber Board. Students will perform techniques and arts such as hair cutting and styling, facial treatments, trimming and shaving of facial hair, chemical hair relaxing, tinting, coloring, shampooing, and rinsing. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated via theory and practical application on both mannequins and live models. Also included in the course of study is barber shop/salon planning and management. To move from level 1 to level 2 students must pass Barber/Master Hair Care 1 with a minimum of a 70 average and a minimum of 250 clock hours.

Barber/Master Hair Care 3 and 4 H

Level: H Credit: 2 (Each) Grade: 12

Prerequisite: Barber/Master Hair Care 1 & 2 and Instructor Recommendation.

Barber/Master Hair Care 3 and 4 H are continuations of levels one and two. The Barbering & Master Hair Care Program is designed to prepare students to be a Registered Professional Barber or Master Hair Care Specialist. Students will study Scientific concepts and will use skilled barbering techniques in the art of haircutting and styling, facial treatments, trimming and shaving of facial hair, chemical hair relaxing, tinting and hair coloring, shampooing and rinsing. On completion of the 1540 program hours, and all program requirements, the students will be eligible to take the practical and theory parts of the state board exam to receive a license. This program gives students the opportunity to experience day to day shop operations, communications skills, hands on skills, proper ethics, knowledge of any type of hair, diseases, and it offers an in-depth view of the hair industry.

Credit: (1000 hours Barber/Master Hair Care and 540 hours Academics or 1540 hours required and a minimum of eight credits to be a completer in the program [levels 1,2,3,4].)

Child Development 1

Level: CP Credit: 1 Grade: 9-12

Child Development 1 focuses on the physical, social, emotional, and cognitive growth and development of children. Emphasis is placed on helping students acquire knowledge and skills essential to the care and guidance of children. Students learn to create environments that promote optimal development. Factors impacting a child's development from conception through childhood are explored.

Opportunities for service and project-based learning are incorporated throughout the course. Integration of the Family and Consumer Sciences Student Organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Child Development 2

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Child Development 1

Child Development 2 is a specialized course that provides students with knowledge and skills related to children's growth and development. Students are equipped to develop positive relationships with children and effective care giving skills. Emphasis is on promoting the well-being and healthy development of children and strengthening families in a diverse society. Opportunities to investigate careers related to the care and education of children are provided. Observations, job shadowing, and service learning experiences are encouraged. This course builds on skills and information introduced in Child Development 1. Skills acquired in Child Development 1 and 2 provide a foundation for further studies and employability in Childcare and Early Childhood Education. Critical thinking and practical problem solving are emphasized in a co-curricular approach that incorporates principles of mathematics, science, writing, and communications. Integration of the Family and Consumer Sciences Student Organization, Family Careers, and Community Leaders of America FCCLA), greatly enhances this curriculum.

Cosmetology 1

Level: CP Credit: 2 Grade: 11

Prerequisite: Application process for admittance and acceptance (Level 1 and 2 must be paired in the same year). Students apply in 10th grade and begin in 11th grade.

The Cosmetology Program is designed to prepare the student to qualify for the state cosmetology licensing examination. The student receives training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair shaping, hair styling, setting, waving, hair coloring, and shampoos and rinses. Care of skin and nails includes manicuring and pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated via theory and of practical application on both mannequins and live models. Also included in the source of study is salon planning and management. Students are also required to attend an orientation meeting and purchase supplies (approved lab coat, leather shoes, work kit, mannequins, and other supplies). Virtual/online courses/Homebound instruction are not acceptable for this program due to state mandated lab hours.

Cosmetology 2

Level: CP Credit: 2 Grade: 11

Prerequisite: Cosmetology 1, Application and acceptance to program (Level 1 and 2 must be paired in same year))

The Cosmetology Program is designed to prepare the student to qualify for the state cosmetology licensing examination. The student receives training in the art and science of the care and beautification of hair, skin, and nails. The course of study includes scalp treatments, hair shaping, hair styling, setting, waving, hair coloring, and shampoos and rinses. Care of skin and nails includes manicuring and pedicuring, massage, facials, makeup application, and hair removal. Instruction in chemistry, bacteriology, and anatomy and physiology of the face, head, arms, and hands is incorporated via theory and of practical application on both mannequins and live models. Also included in the source of study is salon planning and management. Important note: Students are required to complete 500 cosmetology lab hours, 250 academic actual in class seat hours (math, English, science, social studies), and be recommended by the instructor to qualify for Cosmetology 3. Students are also required to attend an orientation meeting and purchase supplies (approved lab coat, leather shoes, work kit, mannequins, and other supplies). Virtual/online courses/Homebound instruction are not acceptable for this program due to state mandated lab hours.

Cosmetology 3

Level: CP Credit: 2 Grade: 12

Prerequisite: Cosmetology 2 and Teacher Approval (Level 3 and 4 must be paired in the same year)

This more advanced class focuses on preparing the student for the State Cosmetology Board Exam. To be eligible for the state board exam, students must have successfully completed a minimum number of designated hours. They must have also passed the submitted academic hours to receive credit toward their licensing. Parents are required to sign a statement of understanding and agreement of all requirements related to this course of study. Homebound instruction is not permitted in this program due to state mandated lab hours.

Cosmetology 4

Level: CP Credit: 2 Grade: 12

Prerequisite: Cosmetology 3 and Teacher Approval (Level 3 and 4 must be paired in the same year)

This more advanced class focuses on preparing the student for the State Cosmetology Board Exam. To be eligible for the state board exam, students must have successfully completed a minimum number of designated hours. They must have also passed the submitted academic hours to receive credit toward their licensing. Parents are required to sign a statement of understanding and agreement of all requirements related to this course of study. Homebound instruction is not permitted in this program due to state mandated lab hours.

Family and Consumer Science 1

Level: CP Credit: 1 Grade: 9-12

Family and Consumer Sciences 1 is a comprehensive course designed to provide students with the core knowledge and skills needed to manage their lives. Project based instruction provides students with opportunities to utilize higher order thinking, communication, and leadership skills impacting families and communities. Concepts incorporate interpersonal relationships; career, community, and family connections; family, nutrition and wellness; consumer and family resources; fashion and apparel; food production and service; parenting and housing into a rigorous and relevant curriculum. Integration of the Family and Consumer Sciences Student Organization, Family Careers and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Family and Consumer Science 2

Level: CP Credit: 1 Grade: 9-12

Prerequisite: Family and Consumer Science 1

Family and Consumer Sciences 2 is a comprehensive course designed to build upon concepts learned in Family and Consumer Sciences 1. Units covered in this course are career, community, and family connections; consumer services; education and early childhood; facilities management and maintenance; family and community services; food production and services; food science, dietetics, and nutrition; hospitality, tourism, and recreation; interpersonal relationships; interiors, furnishings, and textiles. Students will explore career pathways in Family and Consumer Sciences. Integration of the Family and Consumer Sciences Student Organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Family Life 1

Level: CP Credit: 1 Grade: 9-12

Family Life Education 1 helps students understand and apply various concepts to gain and maintain healthy relationships throughout their lives. Topics such as applying interpersonal skills in relationships, critiquing financial decisions, and determining risk factors of healthy lifestyles are included in the course content. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), standards greatly enhance the curriculum.

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS**Aviation Technology 1**

Level: H Credit: 1 Grade: 10-11

Prerequisite: Application and Acceptance process

Aviation 1 provides the foundation for advanced exploration in the areas of flying, aerospace engineering, practices, technology, unmanned aircraft systems, space exploration, innovations, aviation industry, history of flight, and careers/opportunities in aviation. Students will discover how advances in aviation created a need for regulation and will learn about the promulgation of civil aviation oversight. Students will explore modern innovations and develop their own innovative ideas to address real-world challenges facing the aviation industry. This course will allow students to begin to define their individual interests. (Students should pair this course with Aviation 2 in the same year)

Aviation Technology 2*Level: H Credit: 1 Grade: 10-11**Prerequisite: Aviation 1*

In Aviation 2 students pursuing the pilot and UAS tracks will take a closer look at the aircraft they may one day operate. Students explore types of aircraft, how they are made, fly, and categorized, identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will conclude with a focus on career skills related to these topics.

Aviation Technology 3*Level: H Credit: 1 Grade: 11-12**Prerequisite: Application and Acceptance process*

The Flying Environment Component of Aviation 3 is foundational for both manned and unmanned aviation, and will prepare students to take the Federal Aviation Administration's "Private Pilot Knowledge Test". Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures. The Flight Planning component will cover remaining topics necessary for students to take the Federal Aviation Administration's Private Pilot Knowledge Test. Students will learn pilot and aircraft qualifications, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision making.

Aviation Technology 4*Level: H Credit: 1 Grade: 11-12**Prerequisite: Aviation 3 and Aviation Program recommendation process*

After having prepared for the Private Pilot Knowledge Test in Aviation 3, students will examine advanced aviation topics, aviation career options, Instrument flight, commercial aviation, advanced aircraft systems, future in the aerospace industry, business development opportunities in aviation and research. The capstone component is the culmination of the student learning experience. The students will work towards obtaining a Private Pilot's license. Encompasses the opportunity to obtain 40 hours of flight time and work towards completing their private pilot's license which is the ultimate goal of the capstone project. (**Note: Aviation 4 requires student flight time outside normal school hours, weekends, and days school may be closed).

MANUFACTURING**Mechatronics 1-Electrical Components/Industrial Safety (Required)****Mechatronics 2-Mechanical Components Electric Drives/Hand & Power Tool Op (Required)****Mechatronics 3- Electro Pneumatics and Hydraulics****Mechatronics 4- Digital Fundamentals and Programmable Controllers***Level: H Credit: 1 (each) Grade: 10-12**Prerequisite: No Prerequisite for Level 1. Subsequent courses require previous courses and teacher recommendation.*

Mechatronics is a new interdisciplinary field involving electrical, mechanical, instrumentation, electronics, robotics/automation, computer components, and control systems. The program exposes students to a higher level of working with their hands and understanding simple to complex systems. Mechatronics is a dynamic field that changes daily with the rapid improvements in technology and computer systems. Systems are networked to meet the demands of automated manufacturing processes, and technicians are trained to meet necessary entry-level industrial skills and entry into a postsecondary program at a technical college.

Welding Technology 1 & 2

Level: CP Credit: 1 (each) Grade: 10-12

Prerequisite: Algebra 1 proficiency skills.

Welding 1 is an introductory study of the basics of welding. This curriculum includes theory and practical applications of gas welding, cutting, and brazing. It also includes studies in Arc welding with a strong focus on practical applications in the shop. Safety is the first and most important area of study and is reinforced throughout the curriculum. Student progress is tracked individually and **advancement to Welding Technology 2 is by instructor recommendation only.**

Welding Technology 3 & 4

Level: H Credit: 1 (each) Grade: 11-12

Prerequisite: Welding Technology 1 and Teacher recommendation

Welding Technology 2 involves advanced studies in all common welding processes with a strong emphasis on Arc welding. Welding 2 students will expand their knowledge base into other areas of welding such as print reading, weld symbols, and weld testing (destructive and nondestructive). As students progress through the course, they can advance past the required course instruction into other areas of study. Welding 2 also includes a Senior Project, a culminating exercise showcasing a representation of what they have studied and accomplished over the 2 year course. (*Note: Students enrolled in the dual credit option must be recommended by the instructor(s). Limited seating in the Welding 2 program. Students will cover the above standards and WLD 134 & WLD 113 in the dual credit option)

MARKETING, SALES, AND SERVICE CLUSTER**Advertising**

Level: CP Credit: 1 Grade: 11-12

Prerequisite: Marketing

This course is designed to introduce the concepts of advertising, planning strategies, communication skills, and professional development. Course content includes budget development, media selection, design, and the preparation of ads for various media.

Marketing

Level: CP Credit: 1 Grade: 9-12

This course introduces marketing concepts and examines the economic, marketing, and business fundamentals, in addition to the marketing functions of selling, promotion, and distribution. The standards listed are core standards and other standards reflecting the needs of the local business community. **This is a basic course in the marketing curriculum and should be taken before the specialized courses.**

Marketing Analytics

Level: H Credit: 1 Grade: 11-12

Prerequisite: Marketing

Students in Marketing Analytics will study the buying behaviors of consumers in a global marketplace. Through this course, students explore how businesses use marketing research as a management tool to understand and influence consumer decision making. The course will emphasize decision-making, based on results obtained through research and analysis, which make businesses profitable. Topics covered will consist of trends, sampling, surveys, demographics, and data analysis.

Merchandising

Level: H Credit: 1 Grade: 11-12

Prerequisite: Marketing

The Merchandising course prepares individuals to understand the process of merchandising as it relates to the resale of products and product lines for stores, chains, and other retail enterprises. Concepts included in the course include product planning and development, buying, pricing, branding, inventory management, visual merchandising and display, and the preparation of a marketing plan.

Social Media Marketing*Level: CP Credit: 1 Grade: 10-12**Prerequisite: Teacher approval and a business or marketing course*

This course introduces students to the current field of social media and prepares them to explore and create successful social media strategies for businesses. This course gives students the knowledge, tools, and methods to use different social media tools to educate and connect with customers, promote and sell products and services, and develop new business.

Sports and Entertainment Management*Level: H Credit: 1 Grade: 10-12**Prerequisite: None*

Sports and Entertainment Management is the study of marketing from the decision-makers' view in the sports and entertainment industry. The Sports and Entertainment manager plans and controls various marketing aspects of a company or a team in terms of the marketing concept. This course continues the analysis of the marketing functions including product-pricing, distribution, promotion, segmentation, and selling products. The addition of business and accounting fundamentals such as team management and leadership skills, strategic and operations management, human resources, and developing budgets, expands upon the managerial aspect. Finally, this course includes an in-depth analysis of the sports and entertainment industry to include managing amateur, adaptive, and recreational sports, college and professional sports, venue and event management. Upon completion of Marketing and Sports and Entertainment Management courses, students are concentrating on becoming effective marketing managers.

Sports and Entertainment Marketing*Level: H Credit: 1 Grade: 10-12**Prerequisite: None*

The Sports and Entertainment Marketing course is for students who are interested in marketing careers in the various areas found in the sports and entertainment industry. Marketing theory and practice are emphasized and incorporated into present-day scenarios. Major topics include the use of technology, promotion, customer relations, selling, and marketing plans.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CLUSTER**Automotive Collision Repair Technology 1 & 2***Level: CP Credit: 1 (each) Grade: 10-12*

These courses introduce students to the high-skill world of the auto collision repair technician. Students are taught beginning-level paint preparation and refinishing. Paint preparation covers sanding, masking, environmental concerns, shop safety, and priming. Refinishing introduces the student to spray gun adjustment, set-up, paint mixing, and the application of single-stage, base coats, and tri-stage paint systems.

Automotive Collision Repair Technology 3 & 4*Level: CP Credit: 1 (each) Grade: 11-12**Prerequisite: Automotive Collision Repair Technology 1 & 2 and Teacher recommendation*

These courses complete the Auto Collision Repair program. Students will develop skills in sheet metal straightening, sheet metal replacement, detailing, and structural measuring. Metal straightening includes repairing small dents with body filler and preparation for primer. Sheet metal replacement is the removal and replacement of hoods, deck lids, doors and bumpers. Detailing consists of color sanding, buffing, and interior detailing. Students develop structural measuring skills using the Measuring System. Second semester is dedicated to live repairs and the students can repair their own vehicles during this time.

Automotive Technology 1 & 2

Level: CP Credit: 1 (each) Grade: 10-12

Automotive Technology 1 is an introduction to the automotive and automotive industry. Students can expect to learn about all systems of the modern-day automobile, with special emphasis on brakes, suspension and steering systems, electrical, and engine performance. Much of the time in this class will be dedicated to learning the theory of the automotive systems with some time spent in the shop doing hand-on activities. **Automotive Technology 1 is theory oriented and a proving ground for students that plan to enter Automotive Technology 2.**

Automotive Technology 3 & 4

Level: H Credit: 1 (each) Grade: 11-12

Prerequisite: Automotive Technology 1 & 2 and Teacher recommendation

Safety review will be completed early in the term. Students will be assigned work in learning modules to further their understanding of the material they covered in Automotive Technology 1, and move beyond it. Students will repair live work in the shop to ensure that they are capable of performing general automotive service, and prepare for ASE Certifications at the end of the term. It is encouraged that each student participate in an internship at a local automotive repair facility during their time in this program.

Project Lead the Way (PLTW)

Project Lead the Way (PLTW) provides a comprehensive approach to STEM Education. Through activity-, project-, and problem-based curriculum, PLTW gives students a chance to apply what they know, identify problems, find unique solutions, and lead their own learning. Students may choose from two programs of study: Engineering or Biomedical Science. The first two courses in each program are taken at the students' home school.

Introduction to Engineering Design (IED)

Level: H Credit: 1 Grade: 9-12

Prerequisite: Recommended completion or concurrent enrollment in Algebra I

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn to document their work and communicate solutions to peers and members of the professional community. This course is for 9th or 10th graders. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. This course is offered at each home high school.

Principles of Engineering (POE)

Level: H Credit: 1 Grade: 10-12

Prerequisite: Introduction to Engineering

Design 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 is offered at each home high school. DDR 100 course meets and exceeds all aeronautical knowledge factors outlined by the FAA for the Unmanned Aircraft General (UAG) examination to those who intend to obtain a Remote Pilot Certificate (RPC) and includes advanced safety concepts and practices to develop responsible, safety-certified remote pilots. DDR 200 course provides classroom and practical instructional programming associated with a working knowledge of UAV system classification, roles and command and control options. During this course, students receive the hardware and software training required to support, virtually fly and test small UAV systems. Students will be exposed to the basics of software analysis, data and logistical map reading.

Civil Engineering and Architecture (CEA)*Level: H Credit: 1 Grade: 10-12**Prerequisite: Principles of Engineering*

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 3D architecture design software. This course is offered at the Center for Advanced STEM studies. During the semester that students are enrolled in CEA, they will also take Physics H at the Center. Physics is a foundational course for the study of engineering

Aerospace Engineering*Level: H Credit: 1 Grade: 10-12**Prerequisite: Principles of Engineering*

Students explore the physics of flight and bring what they're learning to life through hands-on projects like designing a glider and creating a program for an autonomous space rover. DDR 300A course begins by providing practical flight experience with advanced hand simulation software. Students receive an introduction to aircraft systems, UAV design, roles, classification, command and control payloads, and operations. It is followed by instruction on; practical UAV issues, tasking, integration of UAV assets, mission planning, logistics, and real-world case studies. DDR 300B UAV project management course includes cost estimation, market analysis, schedule development, and technical performance evaluation.

Students will perform trade studies; learn about preliminary and detailed UAV design, study component and subsystem test and integration.

Clean Energy Systems*Level: H Credit: 1 Grade: 9-12*

This course exposes students to three sources of renewable energy: wind, solar, and biofuels. Working with solar, thermal, chemical, and mechanical sources of clean energy teaches students how to apply physics, geography, chemistry, biology, geometry, algebra, and engineering fundamentals. Students learn the most efficient and appropriate use of energy production as they explore the relevant relationships among work, power, and energy. Students will engage in a wide variety of hands-on projects and lab activities that both test their knowledge and illustrate the interrelationships between the various forms of clean energy.

Clean Energy Applications*Level: H Credit: 1 Grade: 9-12*

This course builds on the foundation of Course 1 and introduces nuclear power, steam generation, fuel cells geothermal power, water power, AC/DC power generation, heat transfer and the laws of thermodynamics. In addition, students now use chemical and thermal energy principles to create, store, and use energy efficiently to power a variety of mechanical and electrical devices. Students will engage in a variety of hands-on design projects to demonstrate principles using advanced technology hardware and software.

Cybersecurity 1*Level: H Credit: 1 Grade: 10-12**Prerequisite: Any Computer Science related course, Algebra 1, and/or teacher recommendation*

Nationally and globally, computational resources are vulnerable and frequently attacked. Cybersecurity introduces the tools and concepts of cybersecurity. The design of the course students to the ever growing and far-reaching field of cybersecurity. Students accomplish this through problem-based learning, where students role-play as cybersecurity experts and train as cybersecurity experts do. Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, "outside-the-box" thinking. Cybersecurity 1 will cover personal security and system security.

Cybersecurity 2

Level: H Credit: 1 Grade: 11-12

Prerequisite: Cybersecurity 1

This course will delve deeper into the tools and concepts of cybersecurity. Cybersecurity 2 will cover network security and applied cybersecurity. Key concepts include operating systems, network topologies, cryptography, and digital forensics. In addition, students explore the many educational and career paths available to cybersecurity experts, and other careers that comprise the field of information security.

AP Computer Science Principles PLTW (West Only)

Level: AP Credit: 1 Grade: 10-12

Prerequisite: B or higher in Algebra 2 with Probability Honors, concurrent enrollment or completion of Pre-Calculus Honors

Using Python® as a primary tool, students learn the fundamentals of coding, data processing, data security, and task automation, while learning to contribute to an inclusive, safe, and ethical computing culture. The course promotes computational thinking and coding fundamentals and introduces computational tools that foster creativity. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, data visualization, cybersecurity and simulation. The College Board recognizes PLTW as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

Biomedical Sciences**Principles of Biomedical Sciences (PBS) - Level 1**

Level: H Credit: 1 Grade: 9-12

Prerequisite: Recommended completion or concurrent enrollment in Biology I or Physical Science

Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes, and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences Program. This course is offered at each home high school.

Human Body Systems (HBS) - Level 2

Level: H Credit: 1 Grade: 10-12

Prerequisite: Completion of Level 1 PBS and completed or concurrent enrollment in Biology I

Students examine the interactions of body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal Manikin®, work through interesting real-world cases, and often play the role of biomedical professionals to solve medical mysteries. This course is offered at each home high school.

Medical Interventions (MI) and Research - Level 3

Level: H Credit: 1 Grade: 10-12

Prerequisite: Completion of Level 1 PBS and Level 2 HBS. A grade of 80 or higher is strongly recommended from HBS.

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. These courses will provide a strong foundation for post-secondary studies in all medical fields, biology, or biomedical engineering.

Capstone Course**Biomedical Innovation (BI) and Research - Level 4**

Level: H Credit: 1 Grade: 10-12

Prerequisite: Completion of Level 1 PBS, Level 2 HBS, and Level 3 MI. A grade of 80 or higher is strongly recommended from MI.

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 from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.

Capstone Course



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