ROCK HILL Schools
YORK COUNTY DISTRICT THREE

2015-2016
District Course Catalog

Applied Technology Center

Northwestern High School

Rock Hill High School

South Pointe High School

District Information

District Office

660 North Anderson Road
P.O. Drawer 10072
Rock Hill, SC 29731
Telephone (803) 981-1000
Fax (803) 981-1094
www.rock-hill.k12.sc.us

Superintendent
Kelly U. Pew, Ph.D.

Associate Superintendent for Instruction & Accountability
Harriet L. Jaworowski, Ph.D.

Executive Director of Secondary Education
Judy Mobley

Board of Trustees

Walter Brown
Mildred Douglas
Terry Hutchinson
Elizabeth "Ann" Reid
Helena Miller
Dr. Jane Sharp
Jim Vining

High Schools

Northwestern High School
2503 W. Main Street
Rock Hill, SC 29732
Telephone (803) 981-1200
Fax (803)981-1250
James Blake, Principal

Rock Hill High School
320 W. Springdale Road
Rock Hill, SC 29730
Telephone (803) 981-1300
Fax (803)981-1343
Ozzie Ahl, Principal

South Pointe High School
801 Neely Road
Rock Hill, SC 29730
Telephone (803) 980-2100
Fax (803 980-2105
Al Leonard, Ed.D., Principal

Applied Technology Center
2399 W. Main Street
Rock Hill, SC 29730
Telephone (803) 981-1100
Fax (803)981-1125
Don Gillman, Director

Mission Statement

Rock Hill Schools will provide all students with challenging work that authentically engages them in the learning process and prepares them for successful futures.

Motto

"Engaging students for successful futures."

Table of Contents

GENERAL INFORMATION

Registration Process

1. It is strongly recommended that all students take eight units each year. Students in grades 9 and 10 are required to take 8 units. *Study halls are available to students in grade 12 only.*

2. All courses are open to students of both sexes.

3. All students must earn one unit of Physical Education 1 or JROTC.

4. English and math courses are usually quite full. Students may not take two required English or math courses in the same academic year unless there is a school-defined, programmatic reason for it. Students taking English 1 or Algebra I in middle school must still take English or math course in the senior year.

5. Students may take one unit of credit in Rock Hill School's summer school or Virtual High School and must have prior approval of the principal or the principal's designee.

6. If a student enrolls after the beginning of a course, attendance counts from the first day of the course, not from the day of enrollment. Students transferring from another school or from another level of the same course receive credit for days attended in the previous class.

7. Students transferring from other schools receive credit for previously acquired coursework whenever comparable.

8. Students who become ineligible for courses due to failures must check their schedules when school starts to make sure that appropriate changes have been made. They should see their guidance counselor if there are any problems.

9. Students are encouraged to register for the level(s) of instruction recommended by the teachers in the core instructional areas (English, math, science, social studies and foreign language). If a student chooses to make selections that are different from teachers' recommendations, a parent must request in writing the preferred level and course.

10. Students are reminded that once school begins, a change in level (*Example: honors math to a college prep. math*) may be impossible due to a lack of space in the course(s) to which they wish to move or limitations in rearranging other courses in the student's schedule. In such cases, the student is required to remain in the course originally chosen.

11. Counselors assign classes for students who fail to complete the registration procedure.

12. Advanced students enrolling in high school without English I and/or Algebra I in the 8th grade may qualify for advanced courses in the 9th grade by passing the district developed End-of-Course exams for English I and Algebra I or scoring in the appropriate range on the MAP test. ***Parents should notify the counselor of their interest to pursue this option.***

Schedule changes

Students are encouraged to choose courses carefully during the registration period. Students receive a verification form of their requests following the completion of the registration process. The verification form allows students to review their requests and make any appropriate changes prior to a deadline. Once the master schedule is defined, if there are conflicts with the courses students selected or if courses are dropped due to small numbers, students should submit a request for course change complete with parent signature to the Guidance Office.

No preference changes are made after the school's schedule change deadline. Schools announce this deadline during registration. Changes are made if final grades, summer school, Phoenix Academy and/or Virtual High School completion necessitates the change. **Level change requests are considered only when initiated by the teacher**. Additionally, level changes can only be honored **if there is space in the new class. Students who drop a course after the 5th day will receive WF, which calculates as an F in the overall GPA.**

NOTE: There is no guarantee that all courses requested can be scheduled. When possible, each student with a conflict is notified to allow him/her to make alternate selections. All contact information in the school database must be accurate and up to date. Parents should notify the school of any changes.

Retaking a course

According to the S.C. Uniform Grading Policy, students are allowed to retake the same course at the same difficulty level under the following conditions:

- Only courses in which a grade of a D or F is earned may be retaken.
- The course in which a grade of a D or F is earned may only be retaken during the current academic year or no later than the next academic school year.
- The student's record will reflect all courses taken and grades earned. Students who repeat a course in which a D was earned will only receive credit for the repeated course grade.
- Students taking courses for a Carnegie unit prior to their 9th grade year may retake any such course during their 9th grade year. In this case, only the 9th grade retake grade is used in figuring the student's Grade Point Average (GPA) and only the 9th grade attempt is shown on the transcript. This rule applies whether the grade earned is higher or lower than the pre-ninth grade attempt.

Promotion and retention

In order to comply with state law and ensure continuous and appropriate progress through Grades 9-12, the high schools have established regulatory guidelines to follow the district's Promotion and Retention Policy, IKE. In Grades 9 through 12, in order to be eligible for promotion to the next grade classification, students must have earned a minimum number of units, as specified below.

To be promoted to <u>Grade 10</u>, a student must pass a minimum of 4 units of credit to include:

One English Credit
One Math Credit
One Science or Social Studies credit
One additional credit

To be promoted to <u>Grade 11,</u> a student must pass a minimum of 10 units of credit to include:

Two English Credits
Two Math Credits
One Science Credit
One Social Studies Credit
Four Additional Credits

To be promoted to <u>Grade 12</u>, a student must pass a minimum of 16 units of credit to include:

Three English Credits
Three Math Credits
Two Science Credits
Two Social Studies Credits
Six Additional Credits

A student's homeroom level placement is determined by the requirements listed above. A student's grade level placement remains the same for an entire school year. Only 11th and 12th grade students may attend the prom. At the end of the senior year, a student must have all 24 of the required units of credit in order to participate in the graduation ceremony.

High School Assessments

Beginning in 2015, the S.C. Department of Education requires that all 11th graders take two assessments:

- ACT – a test of College readiness
- ACT Work Keys – a test of career readiness

Both will be administered on designated school days in the spring.

Four High School Courses have a State-Mandated End-of-Course Exam which counts for 20% of the student's final grade. Those courses are

*English 1
*Algebra 1 or Algebra Tech 2
*Biology 1 or Applied Biology 2
*U.S. History and the Constitution

Graduation requirements

To be eligible to receive a South Carolina High School Diploma, students must earn 24 units and demonstrate proficiency in computer literacy. The computer requirement may be met by successfully completing one of many computer courses that includes instruction in and testing of these skills. Based on state law, requirements to receive a South Carolina High school Diploma (graduation requirements) for students in Grades 9 through 12 are prescribed as follows:

English	4 units
U. S. History	1 unit
Economics	½ unit
Government	½ unit
Other social studies	1 unit
Mathematics	4 units
Natural science	3 units
Computer literacy	1 unit
PE or JROTC	1 unit
Foreign language* or CATE elective**	1 unit
Electives (including health)	7 units
Total Required	**24 units**

*One unit of foreign language or an occupational elective is required for graduation. Students planning to attend a four-year college or university must take two or three years of the same foreign language as part of their entrance requirements.

*Please Note: Applied or Tech courses are not 4-year college prep courses for 4-year college admission.

**Students planning to attend a two-year institution, e.g., York Technical College, or who are planning to enter the workforce immediately must earn at least one CATE unit in a career & technical area.

Note: All students in Rock Hill Schools must take Health for high school graduation.

Courses that Meet Computer Literacy Requirement:

Integrated Business Application 1 and 2
Computer Programming 1 and 2
Information Technology for a Global Society IB
Digital Art and Design 1, 2, 3, and 4
Drafting, Design, and Pre-Engineering 1, 2, 3 and 4
Graphics Output and Design 1 and 2
Computer Service Technology
PLTW Courses—IED, POE, DE, CEA
Webpage Design and Development 1 and 2
Digital Multimedia
Medical Terminology
Digital Desktop Publishing
Mobile App Development

Commencement exercises

Only those students who pass **all the units required for a diploma** may participate in the commencement exercise 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 South Carolina 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

Students with outstanding academic performance will be recognized as honor graduates with one of the following accolades.

- *Valedictorian* - The student(s) with the highest adjusted grade point average calculated by dividing the number of quality points earned in grades 9-12 by the total number of credits earned in grades 9-12.

- *Salutatorian* - The student(s) of the graduating class with the second highest adjusted grade point average using the method stated above.

  Grade point averages will be carried to four decimal places and rounded to three by the computer. Correspondence, independent study, and/or off campus courses not approved by the district prior to the student taking the courses will not be figured into the student's final GPA for valedictorian or salutatorian.

  In case of more than one student having the highest or second highest adjusted grade point average, multiple valedictorians or salutatorians will be declared and no attempt will be made to break ties. If there are multiple valedictorians, then all commencement speeches will be given by the valedictorians.

- *With highest honors* - Those students with a regular GPA of 4.5 or above will receive both written and verbal recognition during the commencement exercise. They will also wear the honor cord as part of their graduation attire.

- *With honors* - Those students with a regular GPA of at least 4.2 but less than 4.5 will receive written and oral recognition in the commencement program. In addition, any student who has all A's (grades of 93 or above) since entering high school (ninth grade) will be eligible for honor graduate status.

Note: To be an Honor Graduate, a student must receive a Gold Seal Diploma.

Grade Point Average

South Carolina uses a Uniform Grading Scale to calculate Grade Point Ratio(GPA) and class rank for high school students. The South Carolina Uniform Grading Scale assigns grade points for each numerical grade. By state mandate, all courses carry the same grade points with the exception of Honors, Dual Credit, IB and AP courses. Honors courses receive an additional 0.5 weighting and AP, IB and Dual Credit courses receive an additional 1.0 weighting.

State uniform grading scale – grades 9 through 12

Numerical breaks for letter grades, weightings for specified courses and a conversion chart for computing grade point ratio follow.

Class rank

All courses taken for high school graduation credit are included in the calculation of class rank. The instructional level of each course, the student's grade in each course, and the total number of courses attempted are included in the computation of class rank. Under the Uniform Grading Policy passed by the South Carolina State Board of Education in December 1999, all course grades are based on a state-defined grading scale with corresponding grade point values for each numerical grade. In addition, the policy specifies that only courses taught at the Honors, Advanced Placement, International Baccalaureate, and/or dual enrollment in college courses may be awarded additional weighting values (**.5** quality point for Honors credits and **1.0** quality point for Advanced Placement, Dual Credit, and International Baccalaureate credits) to be used in computing grade point averages and class rank. Grade Point Average (GPA) is calculated using the following formula:

$$\text{GPA} = \frac{\text{sum of quality points x units}}{\text{Sum of units attempted}}$$

Once a GPA has been computed for all students, all grade point ratios are rank ordered numerically from highest to lowest and each student's class rank is determined by the position of his/her GPA relative to all other students in a given grade.

In instances of equal GPAs for more than one student, the same class rank is given and the following value in sequence will be omitted. Class ranks are calculated at the end of the academic school year.

Class rank is one consideration in the college admissions process. It is also used as a criterion for some scholarships. Any questions or concerns students have about class rank should be discussed with a counselor. Students are reminded that one's position in the class rank systems is relative to the weighted rank of all other students in a particular grade. Therefore, as the numbers and performance of other students in a particular grade group changes, a student's class rank may vary as well even though his/her own academic performance may remain constant.

Athletic Academic Eligibility

To participate in interscholastic activities, students must meet the following eligibility criteria:

FIRST SEMESTER: Pass 5 or more units in the previous year with an overall passing average of "70". No more than 2 summer school courses can be used. At least 2 units must have been passed in the second semester.

SECOND SEMESTER: If eligible first semester, students must pass 2 or more units in the fall semester. If ineligible first semester, students must pass 2½ or more units in the fall semester. You must have an overall passing average of "70".

GOLD SEAL DIPLOMA

To receive a Gold Seal Diploma you must:

- *Complete at least 28 credits in **grades 9-12** including 16 in the core academic areas (English, math, science, social studies) with no grade lower than a C **or** a cumulative GPA of 4.2.*
- *Earn 4 credits within your Major. See Secondary Curriculum Framework for majors.*

Elective courses will be selected in conjunction with the core academic courses.
*A student must earn the **Gold Seal Diploma** to be designated an "honor student" (GPA 4.2 or higher or earn all A's) at graduation.*

Grade Point Conversion Chart

South Carolina Uniform Grading Scale Conversions

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

BEYOND HIGH SCHOOL

Educational and career planning

Students are encouraged to plan their course of study based on their career interests and educational goals. The school district assists students in this process in a variety of ways. IGP conferences are conducted in the Spring. Students are encouraged to take advantage of these opportunities.

Educational and career assessments

The school district provides a variety of assessments to assist students in their educational and career decisions. This information is helpful to students as they develop and revise their Individual Graduation Plans (IGP).

Career information delivery systems

Each high school provides at least one computerized Career Information Delivery System (CIDS) for student access. The system is available for student use through any computer in the school. Students have the opportunity to access a tremendous amount of career and post-secondary information to assist them in their planning for high school and beyond.

World Wide Web

The Internet is an excellent resource for students as they prepare for their future. Information about helpful Web sites is available through the school guidance office.

SCOIS

The South Carolina Occupational Information System (SCOIS) is a computer-based system of up-to-date career, educational and occupational information. Students may complete interest inventories and explore more than 1700 occupations. The college search feature includes all two-and four-year colleges and universities in the United States. Other features include a course planner and a scholarship search.

PLAN

The PLAN Assessment measures student achievement in the four academic areas: reading, mathematics, English and science reasoning and also includes a career interest inventory. The score report includes information beneficial in revising and refining the IGP for the last two years of high school and in making post-secondary plans. When offered, it is given to tenth graders.

PSAT

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT, NMSQT) introduces students in the tenth and eleventh grades to the organization and question types found on the Scholastic Aptitude Test (SAT). Students gain test-taking skills and can use their PSAT results to predict their scores on the SAT. The junior year scores are also used in selecting semifinalists for the National Merit Scholarship awards. PSAT also provides individualized study guides, college planning, career information and interactive assessments for students who take the test.

ASVAB

The Armed Services Vocational Assessment Battery (ASVAB) is a multi- aptitude test battery known as the Career Exploration Program administered by the Department of Defense to eleventh graders. The ASVAB comprises ten individual tests and gives composite scores in verbal, math and academic ability. The test is given by the military and is free to high school students. The ASVAB Career Exploration Program is a tool to help students make better school and career decisions. There is a workbook that contains a career interest inventory and an exercise to help students learn more about occupations and how to match their interests and abilities to certain occupations. The ASVAB is available through the high schools and local military recruiter. Although students who plan to enter the military are required to take the ASVAB, information gained from this career assessment is beneficial to any student.

College Bound

College admissions factors

Students planning to attend a four-year college should begin considering these factors as early as eighth grade and plan their high school program accordingly.

1. Select coursework that meets college entrance requirements.

2. Realize that your courses should be at the instructional level that helps you reach your potential and prepare for college/career goals. Colleges pay close attention to the strength of your high school schedule. You should take the most difficult courses in which you can be successful.

3. Determine the required courses for your intended college major.

4. Remember that grade point average, class rank and SAT or ACT scores are all used to determine college acceptance. Entrance requirements vary among colleges. Therefore, you should read college catalogs and talk with college admissions counselors concerning specifics for the college(s) in which you are interested.

5. Be aware that extracurricular and leadership activities and/or work experience may also influence your admission.

***Please note: Applied and Tech courses may not meet admission requirements for 4-year college admission.**

Choosing the right college

1. Evaluate your strengths and abilities. Examine your choice of lifestyle. Utilize information about colleges/careers in the guidance office and library.

2. Take the PSAT and PLAN your sophomore year and take the PSAT again in your junior year. The test will place you on a mailing list for college information. The PSAT in the junior year also serves as the National Merit Scholarship qualifying test.

3. Take the SAT or ACT in the spring of your junior year.

4. Draw up a list of schools to investigate, based on your personal goals. SCOIS is good resource for exploration. This computer-based career information delivery systems is available on any district-networked computer in your high school.

5. Determine requirements for admission and costs for each school on your list.

6. Arrange for college visits. When visiting, talk with admissions counselors and financial aid officers.

7. Fine-tune your list.

8. Ask for teacher/counselor recommendations.

9. Submit applications through the guidance office or online.

10. Apply for financial aid or scholarships. Do not rule out smaller private colleges due to costs.

College Preparatory Course Prerequisite Requirements

Effective Date: Academic Year 2011-12

For Entering College Freshmen

The Commission on Higher Education (CHE) established the minimum course requirements for students who plan to attend a 4-year public college in South Carolina. Some colleges require courses in addition to those listed below (see college catalogues for admission requirements). **Note: The Commission on Higher Education requirements may be adjusted at a later date to reflect changes in diploma requirements.**

FOUR UNITS OF ENGLISH: At least two units must have strong grammar and composition components, at least one must be in **English literature**, and at least one must be in **American literature**. Completion of **College Preparatory English 1, 2, 3, and 4** will meet this criterion.

FOUR UNITS OF MATHEMATICS: These include **Algebra I** (for which **Applied Algebra 1 and 2** may count together as a substitute, if a student successfully completes **Algebra 2**), **Algebra 2,** and **Geometr**y. **A fourth higher-level mathematics course** should be selected from among **Algebra 3/Trigonometry, Pre-calculus, Calculus, Probability & Statistic**s, **Discrete Mathematics,** or a **capstone mathematics course and should be taken during the senior yea**r.

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

TWO UNITS OF THE SAME FOREIGN LANGUAGE: (certain colleges require three units).

THREE UNITS OF SOCIAL SCIENCE: One unit of **U.S. History** is required; a half unit of **Economics** and a half unit in **Government** are strongly recommended.

ONE UNIT OF FINE ARTS: One unit in Appreciation of, History of, or Performance in one of the fine arts.

ELECTIVE: One unit must be taken as an elective. A college preparatory course in **Computer Science (i.e., one involving significant programming content, not simply keyboarding) is strongly recommended for this electiv**e. Other acceptable electives include college preparatory courses in **English, fine arts, foreign languages, social science, humanities, laboratory science** (excluding earth science, general physical science, general environmental science, or other introductory science courses for which biology and/or chemistry is not a prerequisite); or **mathematics above the level of Algebra II.**

ONE UNIT OF PHYSICAL EDUCATION OR ROTC

NOTES:

1. Each institution may make exceptions in admitting (a) students who do not meet all of the prerequisites, limited to those individual cases in which the failure to meet one or more prerequisites is due to circumstances beyond the reasonable control of the student; or, (b) students who have taken the Tech Prep (Applied Academics) courses rather than the required college preparatory curriculum described above and who meet all other institutional admissions criteria.

2. The College Preparatory Course Prerequisite Requirements are minimal requirements for four-year public college admission. Therefore, students should check early with colleges of their choice to plan to meet additional high school prerequisites that might be required for admission.

3. It is the responsibility of each school district to disseminate this set of requirements to entering freshmen students interested in pursuing a four-year college degree in South Carolina upon graduation from high school and to provide the web address for viewing:

http://www.che.sc.gov/New__Web/GoingToCollege/CollPrepPrereq.htm

4. This revision of the College Preparatory Course Prerequisite Requirements shall be fully implemented for students entering colleges and universities as freshmen beginning in Fall 2011.

ACT

The American College Testing Assessment (ACT) and the Scholastic Aptitude Test (SAT) are tests used by college admission offices and scholarship selection committees as one of several indicators of students' potential to complete college level work successfully.

The ACT provides a measure of how well students can perform the skills necessary for college coursework. The ACT Assessment measures these skills in English, mathematics, reading and science reasoning. An optional writing test is also available. These areas are tested because they include the major areas of instruction in most high school and college programs.

One the ACT each of the subtests is scored on a scale of 1 to 36. The optional writing test is also scored on a scale of 1 to 36. The composite score is derived from the four required subtests of English, mathematics, reading and science reasoning.

A composite of 24 on the ACT is comparable to a total score of 1100 on the Verbal and Math portions of the SAT.

SAT

The SAT-1 (Scholastic Aptitude Test) is a multiple- choice test with critical reading, math and writing sections. Each section of the test has a score range of 200-800; thus the score range for the entire test is 600 to 2400.

The critical reading portion tests students on genre, relationship among parts of a text, cause and effect, rhetorical devices and comparative arguments. Reading passages are taken from natural sciences, humanities and social studies.

The math portion tests students' ability to solve problems involving arithmetic reasoning, Algebra1, Algebra 2 and geometry. One section of the SAT-1 math portion requires students to produce and "grid in" their own answers rather than just select an answer from a set of multiple-choice alternatives. Students are allowed, but not required, to use a calculator.

On the writing section of the SAT, students complete an essay and answer multiple-choice questions designed to measure students' ability to improve sentences and paragraphs and identify errors (diction, grammar, sentence construction, subject-verb agreement, proper word usage and wordiness). Although a student's high school record is the single best predictor of potential for success in college, a combination of high school record and SAT or ACT scores is a more reliable indicator.

The SAT-II is the name for the tests formerly referred to as Achievement Tests. Some colleges request students take one or more of these tests for admission and/or placement. The SAT-II is given on the same date and at the same time as the SAT-I except for the March, April test date. All SAT-II tests are one hour in length; therefore, students may take from one to three or these tests during any one administration of the SAT-I and SAT-II.

Students attending a two-year college such as York Technical College generally do not need to take ACT or SAT. Students applying to York Technical College take the COMPASS or ASSET placement tests. (Some programs of study in the health field also require the ACT or SAT.)

***Please see your counselor to ensure that you meet the requirements to take the ACT or SAT.**

COMPASS

Two-year technical colleges require placement tests.
The main purpose of the placement test is to help students identify strengths and needs, and to build a solid plan for success. **The primary test used by York Technical College is COMPASS**. The COMPASS test (Computer-adapted Placement Assessment and Support Services) measures skills in reading, English and mathematics. COMPASS is available on the York Technical College campus for $10.00.

Educational Lottery Scholarships

The South Carolina legislature provides several opportunities for students to receive scholarships the South Carolina Education Lottery. Students who take 6 hours of credit from USC-L in one semester are eligible for lottery funds.

A student convicted of any felonies or any alcohol or drug-related misdemeanor offenses may lose the opportunity to receive a state scholarship or grant.

These requirements are subject to change by the State Legislature. More information is available at www.che400.state.sc.us

Educational Lottery Scholarship Awards

Scholarship	Where Available	Value	Requirements
Palmetto Fellows	Public & private four-year institutions	Maximum of $6,700.00	1200 SAT/27 ACT composite score (through June) 3.5 GPA on Uniform Grading Top 6 percent of sophomore or junior class **OR** 1400 SAT/32 ACT (through June) 4.0 GPA on Uniform Grading
LIFE Scholarship	Public & private four-year colleges	Up to $5000 (including a $300 book allowance toward the cost of Attendance)	3.0 GPA on Uniform Grading Scale 1100 SAT/24 ACT composite score Top 30 percent of graduating class **Students must meet 2 of these 3 criteria*
LIFE Scholarship	Two-year public, two-year private & technical colleges	Up to the cost of tuition plus $300 book allowance	B average (3.0 on Uniform Grading Scale) and meet admission requirements for diploma/degree course work
HOPE Scholarship	Public and private four-year colleges	Maximum of $2,500 plus $150 book allowance	3.0 GPA
Lottery Tuition Assistance	Public and private two-year colleges	Portion of tuition (amount dependent on number of eligible participants and total funding available)	South Carolina resident for at least one year. Be enrolled in at least six credit hours each semester toward a certificate degree, diploma program or AA/AS degree program Make satisfactory academic progress toward the completion of the program requirements File a FAFSA
Lottery Grant	**Private Schools**		

*Private schools may not always accept scholarship awards. Check your institution rules to be sure these funds are accepted.

Advanced Curricular Opportunities

Students in Rock Hill Schools have three challenging advanced curricular opportunities in the junior and senior years. Each program has its own unique characteristics and advantages for college level coursework. Students should consider the merits of all programs to determine which one is right for them.

International Baccalaureate

The *International Baccalaureate Programme* is a prestigious international program that offers rigorous coursework across six major disciplines (see courses below). Students may elect to pursue the highly regarded IB Diploma by taking all six courses or simply pursue IB Certificates in selected courses. The strength of the IB programme is its holistic approach to educating students, which it achieves through both challenging coursework and additional opportunities such as the Theory of Knowledge course (a critical thinking course that seeks to integrate the other six courses), the Extended Essay (a research topic of the students' choice), and CAS Creativity, Action, and Service learning components. Universities throughout the world regard IB as one of the best high school preparatory programs for college coursework and may award advanced standing in those courses based on student performance on international IB exams. IB courses are weighted 1.0 quality points above college preparatory courses. **Fees are associated with taking IB classes/exams.**

♦ **What Makes IB Unique?**

1. All courses are taught through an international perspective.
2. All courses are integrated around the Theory of Knowledge course.
3. Students progress through the program together and form a strong cohort.
4. Divergent learning (thinking outside the box) is encouraged.
5. IB allows you to address your strengths and weaknesses.
6. IB encourages a variety of assessments (not just paper/pencil tests).
7. IB requires and honors service to your community and school.
8. IB focuses on developing the "whole" student, not just the academic.
9. IB is well-known and strongly regarded by highly selective public and private colleges.

♦ **Who Should Take IB Courses?**

1. Students who have challenged themselves in Advanced/Honors courses in grades 6-10
2. Motivated students who want to see the connections between the subjects
3. Students seeking to develop strong writing & communication skills across content areas.
4. Students who find a particular area of interest within the IB course offerings
5. Students seeking advanced standing in public and private universities both in and out of state (college credit based on IB exam results)

♦ **International Baccalaureate Courses:**

1. Language A—English 4 and English 5 Higher Level IB Course
2. History of the Americas and 20th Century Topics Higher Level IB Course
3. Math Studies or Math SL Standard Level IB Courses
4. IB Biology or IB Chemistry Higher Level IB Courses
5. Spanish or French Standard Level IB Courses
6. 6th Subject Options include: Music, Information Technology for a Global Society, Visual Arts, Theater (SPHS only), and Psychology (SPHS only).

Advanced Curricular Opportunities

Advanced Placement Program

The *Advanced Placement Program* affords students the opportunity to engage in challenging and thought-provoking courses around a designated area of interest or strength for the student. While there are a wide variety of AP courses offered in the district, the AP coursework is not designed to be a connected or integrated program of study. AP courses allow students to delve deeply into the content and knowledge of a particular course. Student mastery of the content is measured by both multiple choice and essay questions. All AP courses, in general, emphasize strong writing and communication skills as well as critical and analytical thinking skills within the discipline. Universities across the United States recognize Advanced Placement courses as one of the best high school preparatory programs for college coursework and may award advanced standing in those courses based on the students' performance on the national AP exams. AP courses are weighted 1.0 quality points above college preparatory courses. Fees may be associated with taking AP courses if the course is paired with a dual credit course.

- **What Makes AP Unique?**
  1. Students can choose specific AP courses around an area of strength or interest.
  2. Students explore a depth and breadth of knowledge within a specific content.
  3. Students receive their instruction from a teacher who is passionate about that subject.
  4. Student performance is measured by nationally standardized assessment rubrics.
  5. Students get to explore the content area with other similarly interested students.
  6. Students are exposed to college level reading, writing, and critical thinking.
  7. AP is well-known and strongly regarded by highly selective public and private colleges.

- **Who Should Take AP Course?**
  1. Students who have challenged themselves in Advanced/Honors courses in grades 6-10
  2. Motivated students who can learn new information quickly and apply it analytically
  3. Students who have maintained at least a "B" average in the content area of the designated AP course
  4. Students who are self-starters, organized, and curious about a subject
  5. Students seeking advanced standing in public and private universities both in and out of state (college credit based on AP exam results)

- **Advanced Placement Courses**
  1. AP Language and Composition (11^{th} grade course)
  2. AP Literature
  3. AP American History (11^{th} grade course)
  4. AP European History
  5. AP Calculus
  6. AP Statistics
  7. AP Biology
  8. AP Chemistry
  9. AP Computer Science
  10. AP Art
  11. AP Human Geography
  12. AP Spanish

Advanced Curricular Opportunities

Dual Credit Program

The *Dual Credit Program* is designed to offer college course experiences for students planning to attend a 4-year university or 2-year technical college. All courses within the *Dual Credit Program* have dual credit articulation agreements with public universities and technical colleges in South Carolina. Dual Credit means that students can earn high school and college credit at the same time during their high school program. Some *Dual Credit* courses are "college transfer" courses to a 4-year university, while others are transferable within technical college programs only. Private universities (both in and out-of-state) and public out-of-state universities may not accept these courses for any credit. These courses carry a 1.0 quality point weighting over college preparatory courses. ***All Dual Credit courses are dependent upon the district having teachers who meet the subject specific qualifications of the credit-awarding institution and sufficient enrollment in the course. When these criteria are not met, courses may lose the dual credit articulation.***

- **What Makes *Dual Credit* Unique?**
  1. Students in both college preparatory and technical preparatory classes may be eligible for Dual Credit courses.
  2. College credit, which many SC public universities honor, is granted for passing the course with a C. Students should check with specific colleges for more information.
  3. Some courses are offered on campus and others are offered at the college campus.
  4. There are numerous *Dual Credit* courses outside the mainstream course offerings.
  5. Grades earned in *Dual Credit* courses become part of the student's college transcript.

- **Who Should Take *Dual Credit* courses?**
  1. Motivated college preparatory students seeking college transfer courses to a 4-year in-state public university
  2. Motivated technical preparatory students seeking an Associate Degree at a Technical College
  3. Students who have finished the advanced program during grades 9 and 10 but who need an additional challenge in the junior and senior year
  4. Students interested in a post-secondary major within a field of study offered in the *Dual Credit* courses.
  5. Students who are 16 years old and have a 3.0 gpa on the Uniform Grading Scale.

- **Fees and Material Costs:**

  Dual Credit courses have an associated college fee that is less than students would have to pay for a college course after high school. Students who want to enroll in the *Dual Credit* options must agree to pay the fee, complete the necessary application or registration paperwork, and purchase any required textbook or designated materials outlined by the credit-awarding institution. Fees are due at the beginning of the semester the student is enrolled in the course. Parents and students will be notified in writing about the course fee at the beginning of the course.

Sample Dual Credit Courses Offered on High School Campuses

The following *Dual Credit* courses are taught on the Rock Hill Schools campuses ***(pending availability of teachers with the appropriate credentials and sufficient enrollment).***

FEES ARE SUBJECT TO CHANGE

PLEASE NOTE:

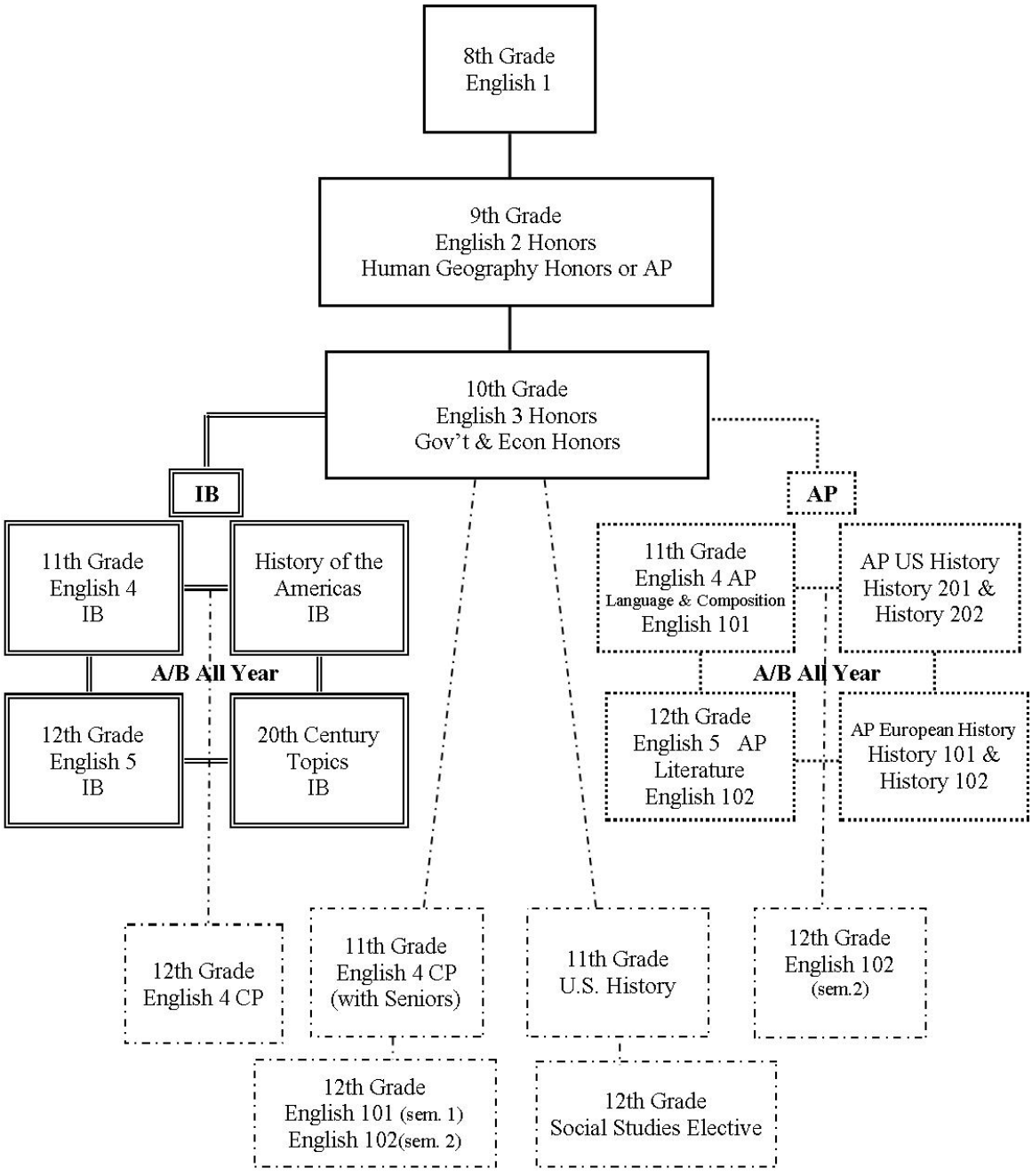
- **At the time of the printing of the course catalog, the decision about provider for dual credit courses has not been finalized. Until we reach a decision on the college, we cannot provide cost per course. That information will be made available to students in January**.
- Students who take six credit hours in one semester will receive lottery assistance funds and pay nothing.

Course	Credit hrs.	College	**Cost
English 101	3	TBA	TBA
English 102	3	TBA	TBA
European History 101	3	TBA	TBA
European History 102	3	TBA	TBA
US History 111	3	TBA	TBA
US History 112	3	TBA	TBA
Digital Art & Design (VCOM 261)	3	Winthrop University	$0.00
Teacher Cadet	3	Winthrop University	$30.00
Criminal Justice 101 (CRJU 101)	3	TBA	TBA
Psychology 101 (PSYC 101)	3	TBA	TBA
Introduction To Engineering Design (EMCH J111)	3	University of SC	$198.00
Principles of Engineering (ENGR J101)	3	University of SC	$198.00
Digital Electronics (ELCT J101)	3	University of SC	$198.00

ADVANCED PROGRAMS SUMMARY

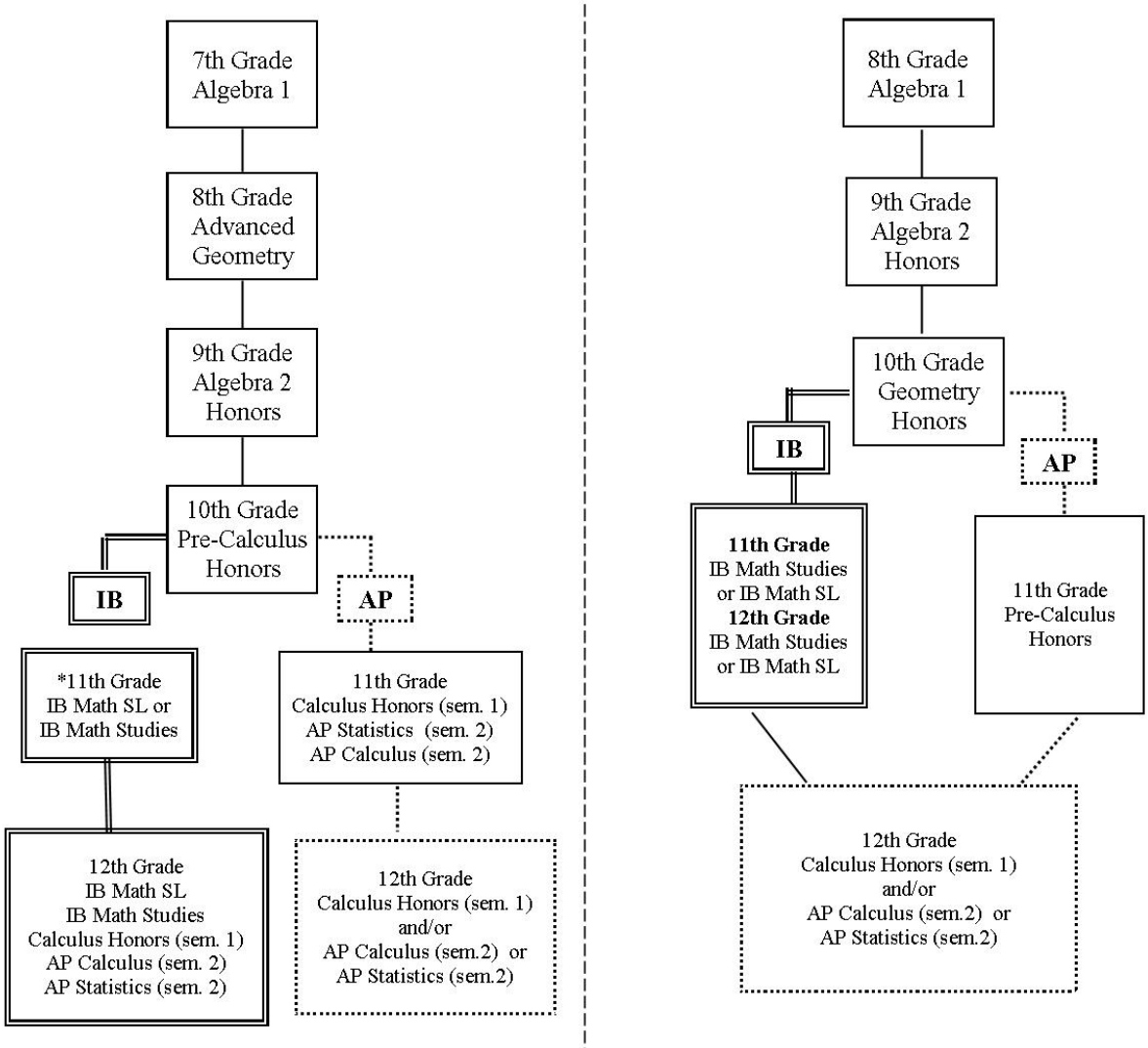
	International Baccalaureate	Advanced Placement	Dual Credit
Unique Features	Diploma or certificate program that offers core and elective courses that are integrated. Also includes Community, Action, and Service hour requirements. Exam scores and policies of the college the student applies to will determine if college credit may be awarded.	Individual courses that allow students to pursue their particular field(s) of interest. Exam scores and policies of the college the student applies to will determine if college credit may be awarded.	Individual courses that allow students to pursue their particular field(s) of interest. Passing grade of C in the course and policies of the college the student applies to will determine if college credit may be awarded.
Enrollment Requirement	Must have taken pre-requisite honors courses in 9^{th}-10^{th} grades	Must have taken pre-requisite courses	Must be 16 years old and have a 3.0 gpa on the Uniform Grading Scale.
Grade Level	11^{th}-12^{th} grades	11^{th}-12^{th} grades	Age 16 and 11^{th} grade minimum
Exams	International exams are used to help determine college credit and eligibility for IB diploma	National exams are used to determine college credit.	Final exams in the course are school-based, and do not by themselves determine college credit. Course grade determines eligibility for credit.
Credit Options	Varies by college if student scores 4 or higher on course exams	Varies by college if student scores 3 or higher on course exams	May receive college credit if student earns a C in the course. Transfer of the credit to another college is determined by the school the student attends after high school.
Cost	No charge for the course. Part of the exam fees are paid by the district. Students must pay $95.00-$145.00. See school IB Coordinator for details.	No charges for course or exams. Exams are paid for by the district.	Fees are determined by each college (see chart of Dual Credit Courses)

English/History Sequence for Advanced Students



All courses subject to number of requests and teacher availability.

Math Sequence for Advanced Students

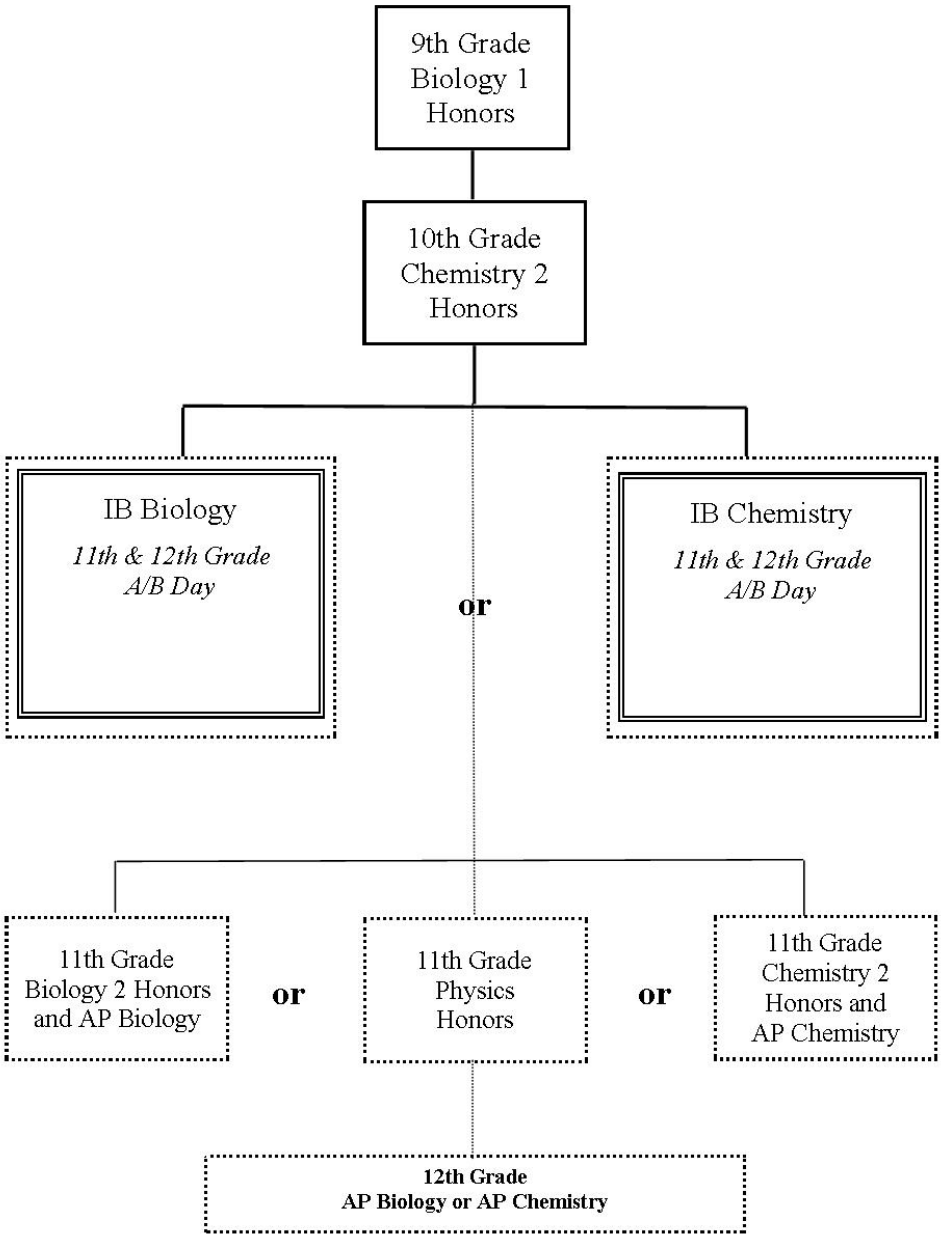


Double Advanced Sequence

Single Advanced Sequence

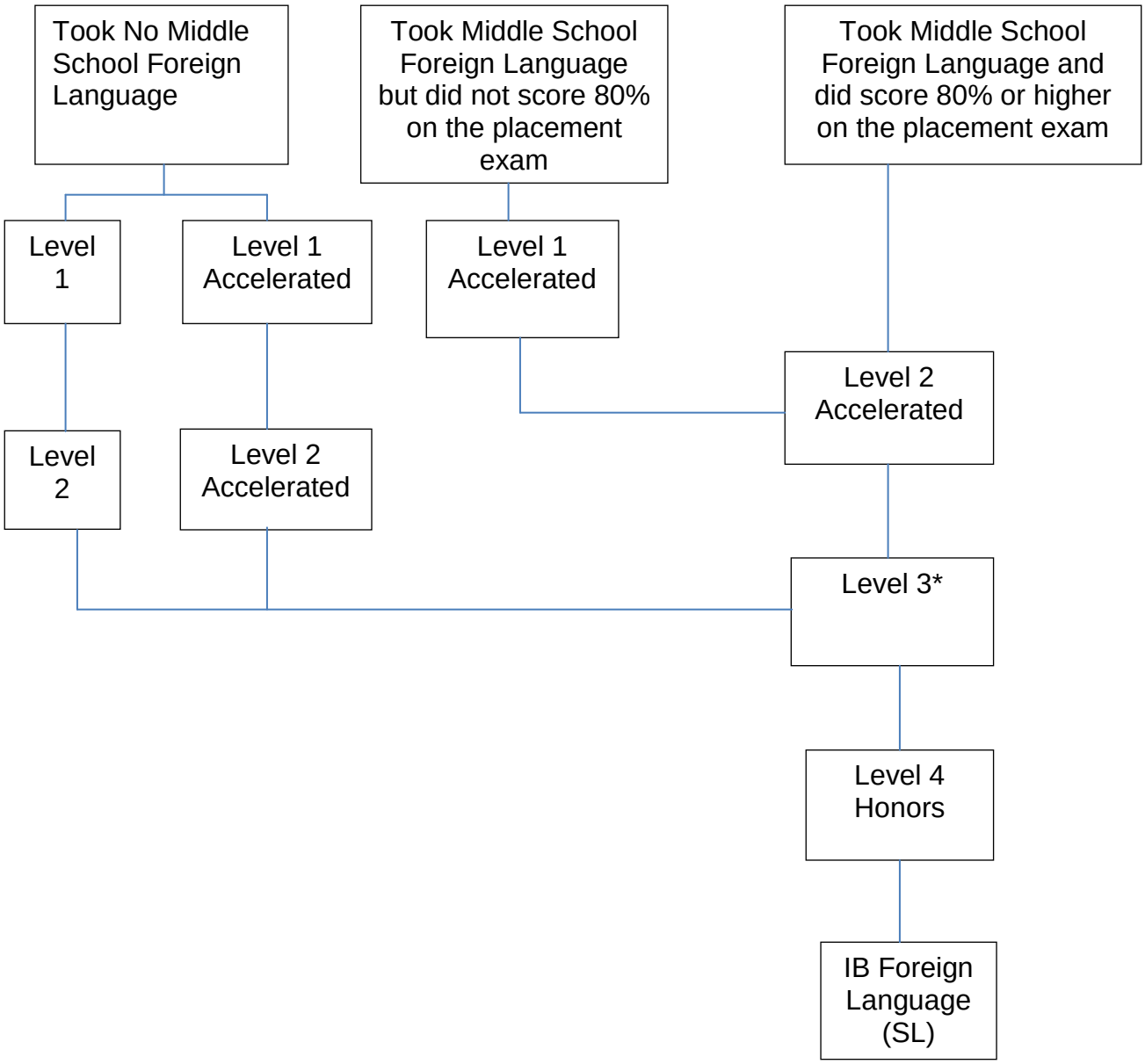
All courses subject to number of requests and teacher availability.

Science Sequence for Advanced Students



All courses subject to number of requests and teacher availability.

Foreign Language Sequence for Advanced Students



*Juniors who have passed Levels 1 and 2 Accelerated may skip Level 3 in order to take Level 4 Honors as Juniors and IB as Seniors.

HIGH SCHOOL ALTERNATIVE PROGRAMS

What Are High School Alternative Programs?

Sometimes students in high school need a different path to graduation. Alternative programs help students to get ahead, catch up in courses, or re-take failed courses. Students should evaluate the options among the alternative programs to select the right individual path.

Rock Hill Schools offers five alternative programs in the high school designed to meet the specific needs of distinct populations. Parents and students may obtain descriptive information about each program below. Additional information is provided by the high school guidance counselor upon request.

VIRTUAL HIGH SCHOOL

Virtual High School offers motivated students on-line courses that meet their learning styles.
Through the Virtual High School Program, students can

- take a class for initial credit
- retake a class previously failed
- take classes for personal enrichment or to get ahead
- access coursework anywhere Internet is available

Cost: $250 per 1 credit course, $125 per 1/2 credit course
Guidance counselors will provide more information.

CONTENT & CREDIT RECOVERY

Students may need additional time to master the content in high school courses.
Content Recovery
Students who fail a **unit test in a core academic** class (English, math science or social studies) may visit the Academic Coach to recover the unit by

- Re-taking the unit again in the APEX online curriculum
- Completing all activities in the unit and passing a mastery test
- Mastery test set at 80% which transfers into classroom grade for failed unit

Credit Recovery (Cost $50.00 per course)
Students who fail a course may not have to retake the ENTIRE course again to earn credit

- Final grade of 67-69—student retakes only the units in the APEX online curriculum designated by the classroom teacher as the student's areas of weakness (Mastery set at 70% to earn credit)
- Final grade of 60-66—student retakes the 6 units in the mini APEX course (Mastery set at 70% to earn credit)

PHOENIX ACADEMY

The Phoenix Academy consists of three flexible learning environments designed to provide support and motivation for academic success: Phoenix, Phoenix Fast Track, and Phoenix Wings. All offer the following opportunities for students:

- Individual planning
- Flexible scheduling
- Self-paced/mastery-based learning
- Rigorous instruction
- Hybrid classes that meet the 120 hour seat-time law
- Classes for 8th grade students

Students who desire a more flexible and/or tailored academic plan for obtaining high school credits should consider attending Phoenix Academy either part-time or full-time. It is an ideal environment for students who are credit deficient, who have scheduling conflicts with courses at the high school, who are in AP or IB programs and desire to take additional courses, or who desire the opportunity to graduate early.

Both elective and core classes are offered through Phoenix Academy. New half-credit elective courses offered are Creative Writing, Expository Writing, Financial Literacy, Psychology, Sociology and Phoenix 101. Please contact your assigned high school or middle school guidance counselor for additional information about the Phoenix Academy day and evening programs.

Please note: Phoenix Academy core classes that are self-paced are not approved for credit through the National Collegiate Athletic Association.

RENAISSANCE ACADEMY

The Renaissance Academy offers students with disruptive disciplinary infractions an alternate environment to earn high school credit.

The Renaissance Academy is built upon the following premises:

- Students need appropriate academic, social, and psychological interventions before expulsion is applied for minor to moderate disciplinary infractions (severe infractions will be handled on a case by case basis).
- A smaller school setting where instruction is focused on 1-2 subjects at a time helps some students master the skills they need to earn high school credits.
- Curriculum is centered on core academic courses (English, math, science, and social studies) needed for a high school diploma.
- Frequent career and social counseling help students focus on goal-oriented behaviors rather destructive behaviors.
- A transition back to the regular high school setting is attainable if academic and behavioral issues are successfully met in the alternate setting.

Students are invited to apply to the Renaissance Academy after their educational opportunities have been removed due to behavioral problems in the schools or the community.

Rock Hill School District Three Curriculum Framework

School of Arts & Humanities

Arts and Humanities Cluster
- Digital Art and Design
- Journalism and Mass Communication
- Foreign Language
- English
- Visual Arts
- Performing Arts
- Theatre Arts
- History
- Media Technology

Education and Training Cluster
- Teaching & Training

Interdisciplinary Studies

Cross Curricular Cluster
- Advanced Placement
- International Baccalaureate
- Occupational & Employability

School of Business Management & Information Systems

Business Management & Administration Cluster
- General Management
- Sports Management
- Graphics & Business Information Management

Finance Cluster
- Accounting

Hospitality & Tourism Cluster
- Culinary Arts

Information Technology Cluster
- Programming & Software Development

Marketing, Sales, & Service Cluster
- Marketing Management
- Marketing Merchandising
- Marketing Communications

School of Math, Science, Engineering, & Industrial Technologies

Agriculture, Food, & Natural Resources Cluster
- Horticulture

Architecture & Construction Cluster
- Drafting & Pre-Engineering
- Electricity
- Welding & Machine Tool Technology
- Construction Engineering

Transportation, Distribution, & Logistics Cluster
- Automotive Service
- Automotive Collision Repair & Refinishing
- Small Engine Technology
- Logistics and Distribution

Science, Technology, Engineering & Mathematics Cluster
- Engineering
- Math
- Science (Biology)
- Science (Physical Science)

School of Health & Human Services

Health Science Cluster
- Health Science
- Health & Wellness
- Sports Medicine
- Nutrition

Human Services Cluste
- Cosmetology

Law, Public Safety & Security Cluster
- Criminal Justice & Public Safety
- Military Science

Government & Public Administration Cluster
- Social Science
- Political Science

School of Arts, Audio-Video Technology and Communications
Cluster of Study: Arts and Humanities

Major: Digital Art and Design

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Choose four of the following: Digital Art and Design 1: Design Foundations Digital Art and Design 2: Photography & Digital Art Digital Art and Design 3: Introduction to Animation Digital Art and Design 4: Visual Effects	Digital Multimedia, Web Page Design Digital Desktop Publishing Media Technology: Studio Production Media Technology: Video Production Media Technology: Adv. Video Production Graphics Output & Design 1 Graphics Output & Design 2 Mobile Apps Development Art 1-4 Advertising *Fine Arts & ROTC courses complement all majors*	Job shadowing Career Mentoring Internships Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Advertising/Design with Newspapers, etc. Print Shop Designer-Prepress, Screen Print – Prepress Designer Layout Designer	Animator, Animation Director, Creator, Modeler, Renderer, Industry work in all areas of animation: storyboard concept , Special effects Game Design, Character Development Post Production & Editing Illustrator, Digital Ink & Painting	Animation Educator Teaching Opportunities Industry jobs worldwide

Major: Journalism and Mass Communication

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Journalism 1 Journalism 2 Journalism 3 Choice of one of the following: Journalism 4 Creative Writing 1 & 2 Yearbook Productions Video Productions Digital Desktop Publishing	English IV honors English AP/IB or English 101 20th Century Topics IB *Fine Arts & ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Radio commentator/Disk Jockey Layout Designer	Technical Writer Proofreader, Reporter	Journalist, Television Anchor Station or Publication Manager Editor

School of Arts, Audio-Video Technology and Communications
Cluster of Study: Arts and Humanities

Major: Foreign Language

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Chinese 1, 2, 3, 4 or French 1, 2, 3, 4 or Spanish 1, 2, 3, 4 or Spanish AP or Levels 1, 2 and 3 of one language AND level 1 of another language	Additional foreign languages JROTC World Geography European History (AP) History of the Americas (IB) Speech and Communication *Fine Arts & ROTC Courses Complement all Majors*	Community Service (with immigrant community) Study Abroad (sem./year) International Exchanges ESOL/Exchange Student Assistant-Mentor Internships Job Shadowing Career Mentoring Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Dept. of Tourism Employee Tour Guide Military Specialist Immigrant Community Liaison International Manufacturing – Entry Level Position Landscape Supervisor	Travel Agent Customer Service Representative Peace Corps Volunteer Law Enforcement Officer	Educator Language Translator/Interpreter Business Consultant Military Intelligence Social Worker International Journalist Civil Service / Foreign Service

Major: English

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
English 3 Honors English 4 Honors/IB/AP English 5 AP/IB or English 101 and 102 <u>Choose one of the following:</u> Speech and Communication Teacher Cadet Journalism	Creative Writing 1 Creative Writing 2 Teacher Cadet Playwriting and Performance Foreign Language—Levels 2, 3, or 4 *Fine Arts & ROTC Courses Complement all Majors*	Shadowing experiences Rock Hill Community Theater Winthrop Theater The Herald
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Receptionist Sales Associate Library Assistant Clerical Assistant	Proofreader Reporter Technical Writer Administrative Assistant	Educator Public Relations Specialist Writer Editor Technical Writer Reporter

School of Arts, Audio-Video Technology and Communications
Cluster of Study: Arts and Humanities

Major: Visual Arts

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Art I, Art II, Art III (choose 1) 2D, 3D, Painting and Drawing Art IV Honors AP Art *Art History available on-line through York Tech.*	*Any Fine Arts or ROTC Course* Marketing Marketing 2 Integrated Business Applications Digital Art and Design 1, 2, 3 and 4 Drafting AP European History 20 Century History Cultural Anthropology	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Artist Craft Artist Florist Retail Auto Detailing Cooking Sign Design	Graphic Illustrator Cartoonist Interior Design Fashion Design Culinary Art	Art Educator Interior Designer Art Historian Art Critic Arts Administrator Graphic Design Photojournalist Curator/Gallery Manager Art Therapist Professional Artist

Major: Performing Arts

Required Courses for Music Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
<u>Band Concentration</u> Instrumental Ensemble, Concert Band Symphonic Band (Reg. or Honors) Marching Band <u>Orchestra Concentration</u> String Orchestra 1 String Orchestra 2 (Reg. or Honors) Guitar <u>Choral Concentration</u> Basic Choral Methods Singers 1 or Choral Ensemble 1 Singers 2 or Choral Ensemble 2 Concert Choir 1/Troubadours 1 (Reg/Hon) Concert Choir 2/Troubadours 2 (Reg/Hon) Music IB	IB Music Any Fine Arts Course Jazz Ensemble (Instrumental) Dance *ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education Mentoring Program Community Outreach Region, All-State & National Ensembles Solo/Ensemble

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Musician Accompanist Singer Composer	Instrumental Musician Accompanist Vocal Musician Composer Stage Manager	Music Educator Composer Choral Director Music Band Director Technician Orchestra Director Music Music Therapist Performer

School of Arts, Audio-Video Technology and Communications
Cluster of Study: Arts and Humanities

Major: Theater Arts

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Playwriting and Performance Theater Crafts Advanced Acting Musical Theater	Speech English IV Honors AP/IB English or English 101 Video Production Journalism Dance *Fine Arts & ROTC complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
- theme park character - actor - mime - puppeteer - grip - rigger - scene painter - props person - set construction crewperson	- costume construction crewperson - lighting technician - sound technician - make-up crewperson - house manager - publicity manager - box office manager - theatre manager - assistant stage manager	- producer Drama Therapist - agent Playwright - casting director - director - stage manager - drama teacher (K-12) - college theatre professor - sound designer - lighting designer - costume designer - make-up designer - stage combat choreographer - theatre historian - set designer

Major: History

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
American History (AP, IB, HIS 111/112 Dual Credit) Government & Economics Choose two of the following: AP Geography AP European History Technologies and Societies 20th Century Topics (IB)	World Religions ITGS (IB) ROTC Ancient Global Studies *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Volunteer (Museums)	College Transfer	Teacher Museum Director Public Administration Historical Commission Graduate School

School of Arts, Audio-Video Technology and Communications
Cluster of Study: Arts and Humanities

Major: Media Technology: Visual Communications

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Media Technology: Video Production Media Technology: Studio Production Media Technology: Advanced Video Production	Digital Art and Design 1: Design Foundations Digital Art and Design 2: Introduction to Digital Media Digital Art and Design 3: Introduction to Animation Digital Art and Design 4: Visual Effects Speech, Journalism *Fine Arts & ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Broadcast Station Camera Operator Production Assistance Make-up Artist	Non-Linear Editor Director of Photography Producer, Director, Scriptwriter Gaffer	Senior Producer/Director Senior Editor, Senior Scriptwriter Technical Switcher Director Production Manager

School of Arts, Audio-Video Technology and Communications
Cluster of Study: Education & Training

Major: Teaching and Training

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Teaching Fundamentals 1 Teaching Fundamentals 2 <u>Choice of One of the following</u>: Introduction to Family and Consumer Science Introduction to Health Science Parenting Education Family Life Education Teacher Cadet 101	Speech Psychology/Psychology 101 (Dual Credit USC-L) Fundamentals of Coaching Creative Writing 1 Creative Writing 2 Sociology *Fine Arts & ROTC Courses complement all majors*	Internship Organized tutoring -literacy programs and GED programs -reading in public libraries -volunteering at local museums, historic sites, arts council, etc. -coaching/refereeing -volunteering with youth organizations, churches, civic organizations

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Work in a Child Development Center Substitute Teacher Nanny/Manny Teacher Assistant in PK-12 school	Teaching Assistant in Child Development Center Teacher in Child Development Center Director/Owner of Child Development Center	Teacher; Trainer in business or other organization Master's +: Faculty member at two-year or four-year institution Administrator in PK-12 school Counselor in PK-12 school

Interdisciplinary Studies
Cluster of Study: Cross Curricular

Major: Advanced Placement

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Any four advanced placement courses: AP US History, AP English, AP Language & composition, AP Biology, AP Chemistry, AP Calculus, AP Statistics, AP Computer Science, AP Art, AP Geography AP European History Virtual High School AP offerings: AP French, AP Spanish, AP Government, AP Economics	Creative Writing Speech Foreign Language 2-4 Any honors, AP, or IB level course that complements an area of interest *Fine Arts and ROTC courses complement all majors*	Job Shadowing in area of interest Career Mentoring in area of interest Internship-in area of interest Cooperative Education-in area of interest

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
The AP major is usually assumed for a college bound student (4 year college).	Non applicable	Depends on concentration area: Lawyer Educator Dentist CEO Engineer International Entrepreneur Doctor Artist Musician

Interdisciplinary Studies
Cluster of Study: Cross Curricular

Major: International Baccalaureate

Required Courses for Major Any four courses of the following:	**Complementary Coursework**	**Extended Learning Options Related to Major**
IB Major – Math/Science Emphasis - Math HL (2 credits) - Math SL (2 credits) - Math Studies (2 credits) - Biology HL (2 credits) - Chemistry HL (2 credits) IB Major – English/History Emphasis - English IV IB (1 credit) - English V IB (1 credit) - History of Americas IB (1 credit) - 20th Century IB (1 credit) IB Major –Interdisciplinary Emphasis - ITGS -Theater - Music -Foreign Language 3 & 4	Any honors, AP, or IB course that would complement area of interest Science Emphasis Anatomy and Physiology Math/Science Emphasis Accounting, Pre-Engineering English/History Emphasis Sociology, Psychology, Cultural Anthropology 101 *Fine Arts & ROTC Courses Complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education CAS service work Senior Project

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Not applicable	Not applicable	CPA Editor College Professor Interpreter Doctor Lawyer CEO Teacher Market Research Analyst

Interdisciplinary Studies
Cluster of Study: Cross Curricular

Major: Occupation and Employability

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Choose one or two Level 1 ATC Courses: Masonry, Culinary Arts 1, Small Engines 2 Automotive Technology 2, Collision, Repair,& Refinish 2 Building Construction 2, Graphics and Printing Tech. 1 Greenhouse Management, Digital Art & Design 1 Choose two or three of the following: Family life education Art, Parenting Education Keyboarding, Foods & Nutrition 1, PAES Lab. Housing & Interiors, Health, Success by Design Law related Education, Fashion, Fabric, & Construction	Any additional ATC Level 1or 2 course May include any level 2 or 3 ATC course:	Job Shadowing 10th grade Career Mentoring 10th grade Internship-11th and 12th grade Cooperative Education-11th and 12th grade

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Successful entry level employment in a variety of fields of interest depending upon course and internship focus during high school	Not applicable	Not applicable

School of Business Management & Information Systems
Cluster of Study: Business Management & Administration

Major: Graphics and Business Information Management

Required Courses for Major (Four credits required) * =Required	**Complementary Coursework**	**Extended Learning Options Related to Major**
Graphics Output and Design 1 Digital Desktop Publishing *Choose two of the following:* Advertising, Digital Multimedia Entrepreneurship, Mobile Apps Development Integrated Business Applications 1 Graphics Output and Design 2 Professional and Leadership Development Work-based Credit	Digital Art & Design Web Page Design Marketing Virtual Enterprise *Fine Arts and ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Print Shop Nonprofit organization Pressroom Personnel Office Management Publicity	Graphic Design Web Design Prepress Editor Photography Finishing Op. Management Customer Service Representative Sales Representative Entrepreneurship	Graphic Artist/Art Director Print Sales/Buying Rep. Quality Control Plant Management Industry Trainer Planner/Scheduler, Estimator Paper Buy/Sell, Color Management Advertising

School of Business Management & Information Systems
Cluster of Study: Business Management & Administration

Major: General Management

Required Courses for Major (Four credits required) * =Required	**Complementary Coursework**	**Extended Learning Options Related to Major**
Accounting 1 Entrepreneurship Choose two of the following: Accounting 2 Professional/Leadership Development Business Finance Marketing Management Integrated Business Applications 1 & 2 Business Law	Advertising Merchandising Marketing Programming 1, 2 Web Design *Fine Arts and ROTC courses complement all majors*	FBLA MOS Certification Career Mentoring Shadowing Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Private business owner Customer Service Ground Level/Internships: -sales -marketing -advertising (retail or corporate)	Entry level positions: -sales -marketing -advertising -finance -management	Corporate marketing Corporate advertising Corporate sales Retail management Accounting/Finance -CPA -CFO -Investment/Financial planner

Major: Sports Management

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Marketing Sports & Entertainment Marketing Personal Fitness Choose one of the following: Individual and Team Sports Total Body Conditioning 1, 2,3 4	Business Law Advertising Accounting 1 Integrated Business Applications *Fine Arts and ROTC courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Parks and Recreation Grounds Crew & Lawn Management City and Church League Tournament Organizer Score Keeper Referee Team Bus Driver	Golf Course Management Athletic Secretary	General Manager & Assistant Operation & Facility Manager of a Sports or Fitness facility Athletic Director & Assistant Athletic Director University Intramural Director Sports Information Director Equipment Managers Athletic Fundraiser

School of Business Management & Information Systems
Cluster of Study: Finance

Major: Accounting

Required Courses for Major (Four credits required) * = required	**Complementary Coursework**	**Extended Learning Options Related to Major**
*Accounting 1 *Accounting 2 Choose two of the following: Business & Personal Finance Integrated Business Applications I & II Entrepreneurship or Virtual Enterprise	Advertising Marketing & Marketing Management 2 Merchandising Computer Programming 1 Computer Programming 2 Business Law *Fine Arts and ROTC courses complement all majors*	FBLA (Future Business Leaders of America) MOS Certification (investigate doing this testing at TYC, ATC, or HS) Career Mentoring Shadowing Internship

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Accounts Payable Clerk	Accountant	Teacher
Accounts Receivable Clerk	Payroll Coordinator	Certified Public Accountant
Bank Teller	Cost Accountant Assistant	Investment Counselor
Payroll clerk	Tax Preparer	Financial Planner
Bookkeeper	Inventory Control	Chief Financial Officer

School of Business Management & Information Systems
Cluster of Study: Hospitality and Tourism

Major: Culinary Arts

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Opportunity Options Related to Major**
Culinary Arts 1 (one credit) Culinary Arts 2 (two credits) Choose one or two of the following: Foods & Nutrition 1 Accounting 1 Entrepreneurship	Sociology Speech and Communication Introduction to Family & Consumer Science Marketing *Fine Arts and ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Cook	Chef Assistant	Chef
Server	Head Cook	Nutritionist
Host	Entry-level management	Restaurant Manager
Cashier	Restaurant Manager	Culinary Director
Cruise Ship Worker	Caterer	Upper-Level Management
Bartender		Dietician
Any food service worker		

School of Business Management & Information Systems
Cluster of Study: Information Technology

Major: Programming and Software Development

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Computer Programming 1 Computer Programming 2 Choose two of the following: Webpage Design (pre-requisite) Entrepreneurship Professional/Leadership Development	Computer Service Technology Introduction to Engineering Design Principals of Engineering Integrated Business Applications 1 & 2 Information Technology for a Global Society IB Computer Science AP *Fine Arts and ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
PC Support Specialist Technical Support Specialist	Programmer Systems Analyst Help Desk Specialist Network Administrator	Programmer/Computer Software Engineer Systems Analyst Software Applications Manager Operations Research Analyst

School of Business Management & Information Systems
Cluster of Study: Marketing

Major: Marketing Management

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Marketing Marketing Management 2 Choose two of the following: Advertising Sports & Entertainment Marketing Entrepreneurship Accounting 1 & 2 Integrated Business Applications 1 & 2	Business & Personal Finance Business Law Professional/Leadership Development Merchandising Webpage Design 1 and2 ROTC *Fine Arts and ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education FBLA/DECA

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Bank Teller Sales Associate Customer Service Representative	Assistant Store Manager Customer Service Supervisor Office Manager General Manager	Entrepreneur Educator Marketing Manager Chief Executive Officer

School of Business Management & Information Systems
Cluster of Study: Marketing

Major: Marketing Merchandising

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Marketing Merchandising <u>Choose two of the following:</u> Advertising Digital Desktop Publishing Integrated Business Applications 1 & 2 Professional/Leadership Development Sports & Entertainment Marketing Entrepreneurship Webpage Design 1 and2	Business Law Business & Personal Finance Accounting 1 & 2 Marketing Management *Fine Arts and ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education FBLA/DECA

Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Sales Associate Visual Display Artist Customer Service Representative	Operations Manager Sales Manager Department Manager	Store Manager Educator Retail Marketing Coordinator Merchandising Manager

Major: Marketing Communications

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Marketing Advertising <u>Choose one of the following:</u> Entrepreneurship Virtual Enterprise 1,2,3,4 Digital Desktop Publishing Digital Multimedia Webpage Design 1 and 2 Sports & Entertainment Marketing	Integrated Business Applications 1 & 2 Marketing Management Business & Personal Finance Accounting 1 & 2 Merchandising *Fine Arts and ROTC courses complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education FBLA/DECA

Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Sales Associate Visual Display Artist Customer Service Representative	Operations Manager Sales Manager Department Manager	Store Manager Educator Retail Marketing Coordinator Merchandising Manager

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Agriculture, Food, & Natural Resources

Major: Horticulture

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Lawn and Turf Management (1 credit) Greenhouse and Garden Center (1 credit) Landscape Design (1 credit) Golf Course Technology & Design (1 credit)	Drafting I (1 credit) Environmental Science (1 credit) Speech and Communication Business Entrepreneurship Accounting Small Engines Construction Engineering Masonry Additional Spanish *Fine Arts and ROTC Courses Complement all Majors*	Golf Team Job Shadowing Career Mentoring Internship Cooperative Education Personal Fitness
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Grounds keeper Nurseryman Floral Designer Interior Plantscaper	Landscape Designer Account Manager Supervisor	Landscape Architect Entomologist Forrester Extension Agent Teacher Soil Scientist Biologist Turf Superintendent

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Architecture & Construction

Major: Drafting & Pre-Engineering

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Drafting 1: Introduction to Drafting and Pre-engineering Drafting 2: Engineering Graphics Drafting 3: Mechanical Drafting Drafting 4: Civil and Architectural	Construction Engineering Welding Electricity Automotive Landscape Design Principles of Engineering(PLTW) Introduction to Engineering Design *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
CAD Operator Entry Level Draftsman	Mapping Technician Civil Engineering Technician Electrical Eng. Technician Mechanical Eng. Tech Landscape Architect Tech. Architectural Drafting Tech.	Civil Engineer Mechanical Engineer Landscape Architect Architect Electrical Engineer Automotive Designer Industrial Engineer

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Architecture & Construction

Major: Electricity

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Electricity 2 (1 credit) Electricity 3 (2 credits) Introduction to Construction	Construction Engineering 2 Drafting 1, 2, 3, 4 Automotive Technology 2 *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Electrician Helper Industrial Maintenance Electrical Sales	Electrician Industrial Electrician Electrical Sales	Electrical Engineer Plant Engineer

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Architecture & Construction

Major: Welding and Machine Tool Technology

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Welding 1 (2 credits) Welding 2 (2 credits)	Drafting 1 Introduction to Engineering Design Collision Repair 2 Small Engines 2 *Fine Arts Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Welder Helper Production Welder Pipe Fitter Helper Steel Welder Enlisted Welder Production Machine Operator	Welding Supervisor Welding Inspector Business Manager Pipe Welder Welding Sales Representative CNC Operator Tool & Die Operator Machinist	Welding Engineer Welding Instructor Senior Certified Inspector Distributor Owner Business Owner Metallurgist Design Engineer Quality Control Engineer

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Architecture & Construction

Major: Construction Engineering

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Introduction to Construction (1 credit) Construction Engineering 2(1 credit) Construction Engineering 3 (2 credits)	Drafting 1, 2, 3, 4 Electricity 2 Welding 2 Masonry Spanish 1 & 2 *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Carpenters helper Labor Sales	Foreman 1st Line Management Lead Carpenter Assistant Superintendent	Entrepreneurship Superintendent Project Manager

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Transportation, Distribution & Logistics

Major: Automotive Service

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Automotive Service 2 (2 credits) Automotive Service 3 (2 credits)	Introduction to Transportation Collision Repair and Refinish 2 (1 credit) Collision Repair and Refinish 3 (2 credits) Small Engines 2 (1 credit) Integrated Business Applications Computer Service *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education • PACE + ST3 (ICAR)

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Maintenance Technician Bus driver Technician Technician Helper	Service Technician Automotive Service Advisor Automotive Insurance Adjuster Automotive Parts Specialist	Mechanical Engineer Automotive Design Engineer Automotive Business Entrepreneur

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Transportation, Distribution & Logistics

Major: Automotive Collision Repair and Refinishing

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Introduction to Transportation Collision Repair and Refinish 2 (1 credit) Collision Repair and Refinish 3 (2 credits)	Automotive Technology 2 (2 credits) Automotive Technology 3 (2 credits) Welding 1 (2 credit) Welding 2 (2 credit) *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education • PACE + ST3 (ICAR)

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Maintenance Technician Bus driver Auto Body Preparation Technician Technician Helper	Service Technician Auto Body Refinish Specialist Auto Body Collision Repair Specialist Automotive Insurance Adjuster Automotive Parts Specialist	Mechanical Engineer Automotive Business Entrepreneur

Major: Small Engine Technology

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Introduction to Transportation Small Engine Tech 2 (1 credit) Small Engine Tech 3 (2 credits)	Welding 1 (2 credits) Lawn & Turf Automotive Technology 2 and/or 3 Electricity 2 *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Small Engine Technician Motorcycle Technician Marine Technician Parts Salesman Equipment Assembler	Equipment Sales Representative Diesel Technician Automotive Technician Industrial Maintenance Manufacturer's Representative	Small Engines Instructor Agricultural Instructor Director of Maintenance Park Ranger

School of Math, Science, Engineering and Industrial Technologies
Cluster of Study: Transportation, Distribution & Logistics

Major: Logistics and Distribution

Required Courses for Major (Four credits required)	**Complementary Coursework** Suggestions shaded for rigor, application, and communication	**Extended Learning Options Related to Major**
Logistics & Distribution 1 - Introduction Logistics & Distribution 2 – Warehouse Distribution Logistics & Distribution 3 – Warehouse Inventory Logistics & Distribution 4 – Work-based	Automotive Tech 2 & 3 Collision Repair and Refinish 2 & 3 Welding 1 & 2 Small Engines 2 & 3 Integrated Business Applications *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education • PACE + ST3 (ICAR)
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Inventory Control Material Handling Forklift Operator Order Pickers Stockers	Supervisor Trainer Truck Driver	Warehouse Manager Training Manager Human Resources Manager

School of Math, Science, Engineering and Industrial Technologies
Cluster of Study: Science, Technology, Engineering & Mathematics

Major: Engineering

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Select four of the following: Introduction to Engineering Design Principles of Engineering Digital Electronics Civil Engineering & Architecture	Drafting 1, 2, 3, 4 Physics or Physics Honors Chemistry II honors or IB/AP Biology II honors or IB/AP Calculus Computer Programming Electricity 2 Construction Engineering 2 & 3 *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education Robotics Club Soapbox Derby activities Technical Competitions University Campus visits
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Drafting Assistant Machine Operator Electrical Assistant Construction Assistant	Architectural Engineering Technician Civil Engineering Technician Engineering Design Technician Electrical Engineer Technician Technical Sales Surveyor Career and Technical School Teacher	Civil Engineer Electrical Engineer Computer Engineer Mechanical Engineer Nuclear Engineer Environmental Engineer Project Manager

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Science, Technology, Engineering & Mathematics

Major: Mathematics

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Choose four of the following: Algebra III Trigonometry Pre-Calculus (CP or honors) AP Calculus AP Statistics IB Math SL IB Math Studies Discrete Mathematics	Computer Science emphasizing programming Chemistry I Chemistry II Physics *Fine Arts and ROTC Courses Complement All Majors*	Job Shadowing Career Mentoring Internship Cooperative Education Mathematics Competitions Peer Tutoring in Math Academic Learning Center assistants Proficiency with graphing calculator
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Bank Teller Accounts Clerk Bookkeeper	Tax Preparer Surveyor Assistant Quality Control Technician Insurance Claims Adjuster	Accountant, Educator, Statistician Auditor , Insurance Actuary Federal Scientific Agencies Banking, Graduate School Opportunities in Science and Economics, Academic Learning Centers

Major: Science (Biology)

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Biology 2 Honors Choose three from the following: Physics Chemistry II Honors Environmental Science IB Biology Anatomy and Physiology	Teacher Cadet Digital Electronics Medical Terminology Sports Medicine Forensic Science Statistics Speech Integrated Business Applications 2 Electricity 2 *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Landscaper Lab Technician Chemical Production Worker Maintenance Technician Electrical Technician Materials Handler Curator Assistant/Interpreter	Material / Lab Technician Storm water Technician Registered Nurse Phlebotomist /Pharmacy Tech Environmental /Nuclear Tech Radiology Tech Physical Therapy Assistant Surveying & Mapping Tech, Forestry Tech	Registered Nurse Research Scientist/Chemist Doctor/Dentist/Veterinarian Educator Engineer/Nuclear/Chemical Aeronautical Engineer Forester, Psychiatrist Pharmacist

School of Math, Science, Engineering & Industrial Technologies
Cluster of Study: Science, Technology, Engineering & Mathematics

Major: Science (Physical Science)

Required Courses for Major (Four credits beyond Physical Science)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Choose four of the following: Physics Physics Honors Chemistry II Honors Chemistry AP/IB Principles of Engineering Environmental Science	Teacher Cadet, Digital Electronics Medical Terminology, Sports Medicine Forensic Science, Statistics Speech Integrated Business Applications Electricity 2 *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Landscaper Lab Technician Chemical Production Worker Maintenance Technician Electrical Technician Materials Handler Curator Assistant/Interpreter	Material / Lab Technician Storm water Technician Registered Nurse Phlebotomist /Pharmacy Tech Environmental /Nuclear Tech Radiology Tech, Forestry Tech Physical Therapy Assistant Surveying & Mapping Tech	Registered Nurse Research Scientist/Chemist Doctor/Dentist/Veterinarian Educator Engineer/Nuclear/Chemical Aeronautical Engineer Forester, Psychiatrist Pharmacist

School of Health & Human Services
Cluster of Study: Health Science

Major: Health Science

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Health Science 1 Health Science 2 Choose two of the following: Emergency Medical Services Health Science Clinical Study (2 credits), Health Science 3, Medical Terminology Sports Medicine Veterinary Assisting	Forensic Science, Physics Psychology, Anatomy & Physiology, Foods and Nutrition, Spanish, Sociology Advanced science courses highly recommended *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education Volunteer at local hospital, nursing home, physical therapy office, or veterinarian's office.

Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Medical Records, Lab Assistant *The following may require some additional training*: Certified Nursing Assistant Medical Office Assistant Emergency Medical Technician Paramedic	LPN, RN Lab Technician Radiology Technician Dental Hygienist	Physician, Dentist, BS in Nursing Physical Therapist Pharmacist Forensic Scientist Veterinarian

School of Health & Human Services
Cluster of Study: Health Science

Major: Health & Wellness

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Choose four of the following: Total Body Conditioning 1, 2, 3 or 4 (1 course only) Personal Fitness Individual and Team Sports Aerobics Anatomy & Physiology or Anatomy & Physiology 101 (dual credit with York Tech)	Integrated Business Application Speech Sports Nutrition Accounting 1 Psychology Teacher Cadets *Fine Arts and ROTC Courses Complement all major*	YMCA or Fitness Center Shadowing
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Aerobics Instructor Sports Camp Counselor Activities Director (resorts, nursing homes, cruise ships) Sporting Goods Salesman	Physical Therapist's Assistant	Exercise Physiologist Strength and Conditioning Coach Personal Trainer Cardiac Rehabilitation Physical Education Teacher Coaching

Major: Sports Medicine

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Sports Medicine 1 Health Science 1 Choose two of the following: Health Science 2 Emergency Services Medical Terminology	Sports Nutrition Total Body Conditioning Individual and Team Sports Anatomy & Physiology Chemistry & Chemistry Honors *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing: -Winthrop University -Physical Rehabilitation -Orthopedic Offices -Parks & Recreation -High School Training
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
YMCA First Aid Assist Athletic Trainers Nursing Assistant Home Health Aid Medical Records Technician	Paramedic Registered Nurse Licensed Practical Nurse X-ray Technician Operating Room Technologist	Athletic Trainer Physician Physician's Assistant Registered Nurse Physical Therapist

School of Health & Human Services
Cluster of Study: Health Science

Major: Nutrition

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Intro to Family and Consumer Science Food and Nutrition 1 Chemistry (Chemistry 2 honors or higher suggested for 4-year track) Choice of One of the following: Anatomy & Physiology Sports Nutrition, Culinary Arts	Biology (Biology II honors or higher for 4-year track) Accounting 1 Psychology Sports Medicine Health Science *Fine Arts and ROTC Courses Complement all majors*	Job Shadowing Career Mentoring Internship Cooperative Education

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Cafeteria & Restaurant Management Cafeteria or Restaurant line workers or cooks Retail Worker in GNC or other nutritional supplement jobs Catering Personal Trainer	Dietary Technician Cafeteria & Restaurant Management Retail Management with Supervisory Responsibilities Certified Chef Personal Trainer	Dietitian Chef Upper Management Food Service Director Technical College or University Professor of Nutrition/Culinary Arts Personal Trainer Pharmaceutical Representative

School of Health & Human Services
Cluster of Study: Human Services

Major: Cosmetology

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Cosmetology 1 & 2 (4 credits) Cosmetology 3 & 4 (4 credits)	Chemistry Integrated Business Applications 1 Entrepreneurship Business & Personal Finance Speech Marketing, Merchandising Spanish *Fine Arts and ROTC courses Complement all Majors*	Salon Shadow Experience Cosmetology School Site Visit Shadowing

Professional Opportunities Upon Graduation
For additional college entrance requirements, refer to the college of your choice.

High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Salon Receptionist, Data Entry Sales Associate Cosmetic artist and/or manicure product sales, Sales consultant Cosmetologist (with additional hours)	Salon hair stylist Color specialist Salon manager Salon owner Image Consultant Massage Therapist	Educator Cosmetology teacher

School of Health & Human Services
Cluster of Study: Law, Public Safety, Corrections & Security

Major: Criminal Justice & Public Safety

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Business Law Law Related Education Criminal Justice Intro to Forensic Science Sociology	Speech Emergency Medical Services Journalism I Psychology 101 Spanish I Integrated Business Applications ROTC *Fine Arts and ROTC courses Complement all Majors*	Job Shadowing Law enforcement agencies – Ride Along program Solicitor's office Career Mentoring Internship Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Security Guard Police/Sheriff Patrol Officer Correctional Officer/Jailer Police/911 Dispatcher Fire Fighter	Security Guard Police/Sheriff Patrol Officer Crime Lab Technician Paralegal Law Clerk	Lawyer Parole Officer Judge, Magistrate Federal Marshall FBI Agent Secret Service Agent Criminologist Detective/Criminal Investigator

Major: Military Science

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Aerospace 1—A Journey into Aviation History Aerospace 2—The Science of Flight Aerospace 3—Global and Cultural Studies Aerospace 4—Management of the Cadet Corps	AS-1 Optional—Continuation of AS-1 AS-2 Optional—Continuation of AS-2 AS-3 Optional—Continuation of AS-3 (SPHS) or AS-3 Optional—Computers for Management of the Cadet Corps (RHHS/NHS) AS-4 Optional—Continuation of AS-4 *Fine Arts Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Law Enforcement Officer Military Recruit Military Recruiter Correctional Officer	Law Enforcement Officer Military Recruit Military Recruiter Correctional Officer	Military Officer FBI Agent Federal Marshall CIA Agent

School of Health & Human Services
Cluster of Study: Government & Public Administration

Major: Social Science

Required Courses for Major (Four credits required)	**Complementary Coursework**	**Extended Learning Options Related to Major**
Psychology (Psychology 101-Dual Credit USC-L) Sociology Business Law Choose two from the following: Cultural Anthropology 102 Historical Perspective on World Religions World Geography	Teacher Cadet Theory of Knowledge Information Technology in a Global Society Foreign Language 1-3 Speech *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Clerical positions for public service or non-profit organizations Service industry position Teaching Assistant	Teaching Assistant	Educator Historian Public Clergy Administration/Government Service Museum Curator Social Worker

Major: Political Science

Required Courses for Major Choose four of the following:	**Complementary Coursework**	**Extended Learning Options Related to Major**
Government and Economics Historical Perspectives of World Religions AP European History IB Twentieth Century Topics	Statistics or Math Studies IB Speech Theory of Knowledge Information Technology in a Global Society Any foreign language *Fine Arts and ROTC Courses Complement all Majors*	Job Shadowing Career Mentoring Internship Cooperative Education
Professional Opportunities Upon Graduation For additional college entrance requirements, refer to the college of your choice.		
High School Diploma	**2-Year Associates Degree**	**4-Year Degree and Higher**
Clerical positions in a public service environment or non-profit organizations Teaching Assistant	Teaching Assistant	Public Administration Educator Higher level government positions Interest Groups/Lobbyist Lawyer

COURSE DESCRIPTIONS

ENGLISH/LANGUAGE ARTS

All high school students are required to take one English course each year. *Four Carnegie units earned in English courses are required for high school graduation. Students must pass English courses in sequence.*

NINTH GRADE

• English Learning Lab *(Elective credit in English)*
English Learning Lab is designed to provide academic support for students who have not met the standards in language arts. Students are placed in this class based on their performance on the MAP assessment. Students work on assignments in class and in the computer lab which are designed to strengthen the basic skills they need to be successful in their other English classes.

• English 1 **301100CW**
Stresses reading comprehension strategies, vocabulary development, and literary elements of short stories, poetry, drama, novel, and the epic. Compositions include narrative, expository, technical, creative, and reflective models in which students learn to inform, explain, analyze, and entertain. Research around a topic related to the readings will culminate in a mini-research paper. The emphasis on grammar as it relates to student writing will include an intense study of sentence patterns, sentence structure, usage, and mechanics. Argumentative writing is also a focus. **A state end of course test counts as 20% of the course grade.**

• English 1 with English 1 Essentials **301105CW**
• English Essentials course **309941CW**
Targets 9th grade students who need a combination of English 1 and English 1 Essentials in order to bolster reading and writing skills and provide extra time to complete English 1 standards. All grade level English 1 standards will be taught along with the English Essentials curriculum, including reading process and comprehension, analysis of text, word study, writing processes, and communicating through speaking, listening, and viewing. Special emphasis will be placed on reading and writing competencies. Pre-writing, writing, and editing strategies will play a prominent role in this course. Students who earn a 192-214 on the district Spring MAP test in 8th grade will be recommended for this course. Class sizes are small and instruction is targeted to students' individual needs. This combination class will be scheduled all year on an A/B schedule. Students will earn one English credit and one English elective credit. **A state end of course test counts as 20% of the course grade.**

• English 2 – Honors **301290HW**
PREREQUISITE: English 1 in 8th grade with a grade of 85 or higher
Includes a study of the literary and structural elements of poetry, short stories, mythology, drama, nonfiction, and the novel. Composition includes essays and a research project. This course also provides an in-depth study of sentence patterns, sentence structure, usage, and mechanics. This course may be taught on an A/B day with the Honors Human Geography course at Northwestern and Rock Hill High School.

TENTH GRADE

• English 2 **301200CW**

PREREQUISITE: English 1

Examines reading comprehension strategies, vocabulary development, and literacy and structured analysis of poetry, drama, fiction, non-fiction, and the novel. Although the writing component will emphasize narrative, expository and argumentative writing, students will compose in a variety of formats including personal writing, poems, skits, expository texts, business letters, memos, persuasive essays, speeches, applications, resumes, and hypertext. Students will research a topic related to the readings which will culminate in a mini-research paper. Grammar units will be integrated in student writing with a focus on mechanics, usage, and sentence formation. Students will continue to use the writing process to develop compositions.

• English 2 with English 2 Essentials **301205CW**

• English 2 Essentials **309942CW**

PREREQUISITE: English 1

Students will be placed in these two courses by teacher recommendation.

Targets 10th grade students who need a combination of English 2 and English 2 Essentials in order to bolster reading and writing skills and provide extra time to master English 2 standards. All grade level English 2 standards will be taught including, analysis of literary texts and informational texts, word study, writing process and genre study, and research. The English Essentials curriculum will target instruction in word analysis, reading comprehension and text analysis, and application of the writing process. This combination class will be scheduled all year on an A/B schedule. Students will earn one English credit and one English elective credit

• English 3 – Honors **301390HW**

PREREQUISITE: English 2 Honors

Includes a thematic study of American literature. Writing involves narrative, descriptive, and expository composition. Students develop speaking, listening, and research skills. A cited research product is required and must follow MLA format. Grammar skills are reviewed as needed.

ELEVENTH GRADE

• English 3 **301300CW**

PREREQUISITE: English 2

Analyzes the relationships among American literature, history and culture and includes the chronological or thematic study of American literature from the Colonial Period to the Twentieth Century. Students write in a variety of formats with an emphasis on argumentative writing. Students develop composition, research, vocabulary, and oral communications skills needed for college. A cited research product will be developed and must follow MLA format.

• English 4—Advanced Placement Language and Composition **307100AW**

PREQUISITE: English 3 – Honors

College-level course that emphasizes the composition of argumentative, analysis, and synthesis essays, as well as the close reading of both non-fiction and fiction selections from British literature. Students develop skills in critical analysis of diction, syntax, and persuasive strategies. Additionally, this course extensively prepares students for the writing portion of the SAT. State regulations require students to take the AP Language and Composition Examination. **This course is taught on an A/B schedule during the junior year and is paired with the AP US History Course.**

• English 4 – IB **301B00IW**

PREREQUISITE: English 3 - Honors

Begins a two-year course that encourages a personal appreciation of literature and develops an understanding of the techniques involved in literacy criticism; develops the students' powers of expression, both in oral and written communication, and provides the opportunity of practicing and developing the skills involved in writing and speaking in a variety of styles and situations; introduces students to a range of literary works of different periods, genres, styles, and contexts; broadens the students' perspective through the study of works from other cultures and languages; develops the ability to engage in close, detailed analysis of written text; and promotes in students an enjoyment of, and lifelong interest, in literature. **It is taught on an A/B day and is paired with History of the Americas IB in the junior year.** The IB exam must be taken in the Senior year in order to receive IB credit.

TWELFTH GRADE

• English 4 **301400CW**

PREREQUISITE: English 3

Consists of a survey of British literature from A.D. 450 to the present. This course also involves a study of relevant historical background material and history of the English language. This course is designed for students with an interest in a four-year college program or post-secondary technical education.

• English 5-Advanced Placement Literature **307000AW**

PREREQUISITE: English 4 IB or English 4 AP Language and Composition

Offers advanced work in literature and composition. Students study British and American fiction, poetry, drama, and nonfiction and write literary analyses of the literary works studied. State regulations require students take the AP Literature and Composition Examination. **This course is taught on an A/B schedule during the senior year and is paired with the AP European History Course.**

• English 5 – IB **301C00IW**

PREREQUISITE: English 4 IB

Extends the skills developed in English 4-IB. This course emphasizes independent literary criticism and independent literary commentary of known and unknown works. Students will read works from a variety of other cultures. The course promotes clear expressions of ideas in both oral and written discourse. **It is taught on an A/B day and is paired with Twentieth Century Topics IB.** The IB exam must be taken in order to receive IB credit.

• English Composition 101 **301500EW**

PREREQUISITE: English 4 and a 3.0 GPA. Students are responsible for paying the college tuition.

Dual credit course offering structured, sustained practice in closed reading, critical analysis and composing. Students will read a range of literary and non-literary texts and write expository and analytical essays.

• English Composition 102 **301600EW**

PREREQUISITE: English 101. Students are responsible for paying the college tuition.

Dual credit course offering structured, sustained practice in researching, analyzing and composing arguments. Students will read about a range of academic and public issues and write researched argumentative and persuasive essays.

ENGLISH/LANGUAGE ARTS ELECTIVES

• English As A Second Language **1st semester 379950CW**
2nd semester 379951CW

An elective credit that examines language development in speaking, reading, and writing through the study of developmentally appropriate fiction and non-fiction selections. The course will focus on developing strategies for reading comprehension, vocabulary, and writing fluency for emerging English speakers with a strong emphasis on oral and written communication skills appropriate for real-world settings.

• Creative Writing 1 **303200CW**

Focuses on the study of creative writing by developing non-fiction, fiction, and poetry writing skills. The course involves detailed writing activities using poems, personal essays, and short stories.

• Creative Writing 2 **303202CW**

PREREQUISITE: Creative Writing 1

Progresses to a highly sophisticated and intense study of writing poetry, plays, narratives, and essays as well as assists with the production of the school literary magazine.

SPEECH

• Speech and Communication **304000CW**

Includes a study of basic public speaking for special occasions, preparing for job applications and interviews, group problem solving, oral interpretation, critical listening, radio and television communication, and parliamentary procedure and debate.

JOURNALISM

• Journalism 1 **305000CW**

PREREQUISITE: B average in English recommended

Covers the functions of a newspaper, the techniques of newsgathering and interviewing, and practical experience in each area of newspaper work (news, features, sports stories, editorials and columns, headlines, photography, layout, and advertisements). This course also analyzes school and other newspapers.

• Journalism 2/ Newspaper Production **1st semester 305100CW**
2nd semester 305101CW

PREREQUISITES: Journalism 1 or Applied Technology Center Graphic Arts and Visual Communication courses. Covers the advanced study of writing, editing, photography, advertising, graphics, and design. This course also introduces students to broadcasting and public relations. This course involves the application of newspaper skills to organizing a newspaper staff and publishing school newspapers**. Teacher recommendation required following interview with presentation of sample(s) of writing, photography and/or visual communication.**

• Journalism 3 Honors - Newspaper Production 309903HW
PREREQUISITES: Journalism 2 and teacher recommendation
Covers the production of the newspaper. Students will provide training to other student staff members, edit peer work, serve as section editors, design layout, and lead staff meetings. **Teacher recommendation, interview, and presentation of sample(s) of work are required.**

• Journalism 4 Honors - Newspaper Production 309904HW
PREREQUISITES: Journalism 3 Honors and teacher recommendation
This course will be offered to students who have completed Journalism 1, 2, and 3 have been recommended for this honors level newspaper class. Emphasis will be on developing effective leadership and decision-making skills that are grounded in the journalists' code of ethics and First Amendment law. Students will submit a portfolio assessment aligned with state and national standards.
Teacher recommendation, interview, and presentation of sample(s) of work are required.

• Yearbook Production 1st semester 305400CW
2nd semester 305401CW
PREREQUISITES: Strong writing skills and teacher recommendation Deals with interviewing, copywriting, copy editing, formulating layouts, and photographing school activities. This course stresses graphic design and artwork. **Students do not have to be enrolled in this course to be on the yearbook staff.**

MATHEMATICS

Four units for math are required for graduation.

• Math Learning Lab (Mathematics Elective Credit)
Math Learning Lab is designed to provide academic support for students who have not met the standards in mathematics. Students are placed in this class based on their performance on the MAP assessment. Students work on assignments in class and in the computer lab which are designed to strengthen the skills they need to be successful in their other mathematics classes.

• Algebra for the Technologies 1 9th grade: Semester 1 314100CW
Focuses on problem-solving techniques, estimation of answers, measurement, data handling, statistics, evaluating functions, understanding function notation, analyzing and graphing linear equations. The course includes basic skills in algebra with emphasis on working with signed numbers, solving linear equations and graphing lines. The content emphasis is on the ability to understand and solve problems using a variety of instructional materials and problem solving exercises. The course emphasizes the application of mathematics to real world situations. Students who score a 227 and below on the district spring MAP test in 8th grade may be recommended for this course.

• Algebra for the Technologies 2 9th grade Semester 2 314200CW
PREREQUISITE: Algebra for the Technologies 1 or Algebra 1 ***This course immediately follows the Algebra Tech. 1 class from first semester.*** Focuses on skills in algebra including factoring, solving linear and quadratic equations and inequalities. This course also includes the study of slopes, intercepts, zeros of both linear and quadratic functions, as well as, writing equations of lines. Teaching strategies allow students to understand and apply math to solve problems related to real world situations. **A State End of Course test will be given that will count 20% of the final grade.**

• Algebra for the Technologies 2 (alternate) 314205CW
PREREQUISITE: Algebra for the Technologies 1 or Algebra 1 <u>This course is for the students who did not pass both Tech I and Tech II in their 9th grade year.</u> Focuses on skills in algebra including factoring, solving linear and quadratic equations and inequalities. This course also includes the study of slopes, intercepts,

zeros of both linear and quadratic functions, as well as, writing equations of lines. Teaching strategies allow students to understand and apply math to solve problems related to real world situations. **A State End of Course test will be given that will count 20% of the final grade.**

• Algebra 1 **411100CW**

Includes the following mathematical concepts: real numbers, solving equations, word problems involving equations, operations of polynomials, factoring, algebraic fractions, applying algebraic fractions to word problems, functions, systems of linear equations, inequalities, graphing in a coordinate plane, operations using rational and irrational numbers, and quadratic functions with applications. **A State End of Course test will be given that will count 20% of the final grade.**

• Algebra 2 – Honors **411290HW**

PREREQUISITE: Algebra 1 7th or 8th grade with a grade of 85 or better

Includes an intense study of the following mathematical concepts: linear relations and functions, systems, functions, radicals, quadratics, polynomial/rational functions, conics, logs and exponents, and sequences and series. The honors curriculum places an emphasis on critical thinking and inductive reasoning. Additional topics may be added by the instructor to enrich and prepare students for higher level mathematics in the AP and IB programs.

• Geometry **412100CW**

PREREQUISITE: Algebra 1

Includes the basic elements of geometry: terminology, reasoning, proofs, angles, perpendicular and parallel lines, congruent triangles, triangle inequalities, polygons, similarity, right triangles, trigonometry, circles and spheres, area and volume, the coordinate plane, transformations, and tessellations. This course also emphasizes critical thinking, problem solving strategies, and the use of technology throughout the course.

• Geometry – Honors **412190HW**

PREREQUISITE: Algebra 2 Honors

Includes the basic elements of geometry: terminology, reasoning, proofs, angles, perpendicular and parallel lines, congruent triangles, and triangle inequalities. This course also includes polygons, similarity, right triangles, trigonometry, circles and spheres, area and volume, constructions, the coordinate plane, transformations, and vectors. This course emphasizes critical thinking, problem solving strategies, and the use of technology throughout the course. This course covers the geometry topics in greater depth.

•Math for the Technologies 3 – Geometry **314300CW**

PREREQUISITE: Algebra for the Technologies 2

Emphasizes the application of geometry to the real world and includes the following geometric concepts: basic geometric structure, parallel lines, angle relationships, congruent triangles, transformations, quadrilaterals, similarity and proportion, polygons and area, solid geometry, circles, right triangles, right triangle trigonometry and basic vectors. This course continues developing problem solving strategies and the use of technology as introduced in prerequisite courses.

• Algebra 2 **411200CW**

PREREQUISITE: Algebra 1/High Proficiency level in Algebra for the Technologies 2

Includes an extensive application of Algebra 1 skills and the following mathematical concepts: linear relations & functions, systems, functions, radicals, quadratics, polynomial/rational functions, conics, logs & exponents, and sequences & series.

• Algebra 3 **411300CW**

PREREQUISITES: Algebra 2 and Geometry

Emphasizes the development and application of functions and advanced mathematical problem solving skills in the areas of polynomial, rational, exponential, logarithmic, and trigonometric functions. Instruction is based on active modeling, technology labs, group activities, and mathematical communication. The course is designed for students who feel they need a stronger background before attempting Pre-Calculus.

• Pre-Calculus **413100CW**

PREREQUISITES: Algebra 2 and Geometry

Includes a study of relations and functions, the Binomial Theorem and logarithmic functions. This course introduces sequences and series, circular functions, their applications, and the inverses of circular functions. This course also covers trigonometric identities, trigonometric equations, trigonometric tables, and right-triangle trigonometry.

• Pre-Calculus Honors **413100HW**

PREREQUISITES: Algebra 2 Honors and Geometry Honors Includes a study of relations and functions, the Binomial Theorem; circular functions and their applications; the inverses of circular functions; trigonometric identities; trigonometric equations; trigonometric tables, and right-triangle trigonometry; logarithmic and exponential functions; limits, sequences and series. The honors curriculum places an emphasis on critical and analytical thinking skills and inductive and deductive reasoning.

• IB Mathematics SL Seminar ***1st*** **semester 311I00HW**

PREREQUISITES: Algebra 2 Honors and Geometry Honors ***2nd*** **semester 311A00IW**

A 180 day two-course series that prepares the student for post-high school science and mathematics courses. This course includes linear, quadratic, and polynomial functions; inequalities; exponents and logarithms; analytic geometry; trigonometric functions, formulas, equations and applications; triangle trigonometry; complex numbers; vectors; sequences and series; combinations; probability and statistics; curve fitting and models; limits and derivatives, integrals, and volumes of solids. The IB exam must be taken to receive IB credit and mathematical explorations are required as a part of that final grade. Additional topics determined by the instructor may also be included for success in future math courses.

• IB Mathematical Studies SL Seminar ***1st semester*** **311G00HW**

PREREQUISITES: Algebra 2 Honors and Geometry Honors ***2nd semester*** **311B00IW**

A 180 day two-course series that encompasses and extends topics and concepts of advanced mathematics. The goals of the course are to develop proficiency with mathematical skills, expand understanding of mathematical concepts, and to improve logical thinking. Concepts include linear relations and functions; theory of equations; nature of graphs; sets and logic: trigonometric functions; trigonometric identities and equations; graphs of trigonometric functions: application of trigonometry: sequences and series: exponential functions: graph theory: probability; statistics; data analysis; two-dimensional geometry; three-dimensional geometry; limits and derivatives. The IB exam must be taken to receive IB credit and a major project is required as a part of the final grade. Additional topics determined by the instructor may also be included for success in future math courses.

• Math for the Technologies 4-Statistics **314400CW**

PREREQUISITE: Algebra for the Technologies 2 or 3

Emphasizes the importance of organizing and displaying data so that it reveals patterns and trends. The course includes the following statistical topics: mean, median, stem-and-leaf plots, box plots, and dot plots. Additionally, students learn to prepare, conduct, and display data from sample surveys; graph and analyze scatter plots; examine the relationship between statistics and probability; and graph areas under the standard normal curve. The course also includes the practical application of probability through the use of real data, active experiments, and student participation.

• Discrete Mathematics **414200CW**

PREREQUISITE: Math for the Technologies 3

Stresses the connections between contemporary mathematics and their applications to our daily lives. Topics addressed in this course are applicable to real world situations and include management sciences, statistics, voting and social choice, fairness and game theory, size and growth, and money and resources. Environmental and economic decisions dominate modern life, and behind
these decisions are fundamental principles of science, technology and mathematics.

• Calculus Honors **1st semester 413500HW**

PREREQUISITE: Pre-Calculus Honors, Pre-Calculus, or Math SL

Includes properties of functions (algebraic, trigonometric, exponential, logarithmic) limits, derivatives, and applications of derivatives. This course also includes techniques of integration, the definite integral, and applications of the integral. This course is the first part of the AP Calculus course.

• Calculus Advanced Placement ***2nd semester*** **417000AW**

PREREQUISITES: Calculus Honors or Math SL

Includes properties of functions (algebraic, trigonometric, exponential, logarithmic), limits,
derivatives, and applications of derivatives. This course also includes anti-derivatives, application of anti-derivatives, techniques of integration, the definite integral, applications of the integral, and slope fields. Optional topics include vectors, polar coordinates, and other integration techniques. State regulations require all AP students to take the AP Exam. **Students will prepare to take the Calculus AB and/or BC exam upon completion of this course.**

• Statistics **414100CW**

PREREQUISITE: Algebra 2

Assists students in learning how to gather, interpret, and display data in meaningful forms for the intended audience. Students will use samples to make inferences about populations. Students also learn to make inferences from charts, tables, and graphs and summarize data from real-world situations. The course teaches students to transform data to aid in data interpretation and prediction; to test hypotheses using appropriate statistical methods; to graph and analyze scatter plots; to examine relationships between statistics and probability; and to graph areas under the standard normal curve.

• Statistics Advanced Placement **417100AW**

PREREQUISITE: Algebra 2

A rigorous math course for advanced students that includes the following themes: exploratory analysis, planning and conducting a study, probability, and statistical inference. Students could take this course before or after AP Calculus or IB Math. State regulations require students to take the AP exam.

SCIENCE

Three units of science are required for high school graduation. Four units are highly recommended.

• Applied Biology 1 **322600CW**

A laboratory science course that emphasizes problem solving, and critical thinking as it relates to the study and function of living things. Students explore the SC Biology standards regarding cells, energy, and genetics. Students compare these concepts to issues in the workplace, in society, and in personal experiences. This course is taken in 10th grade along with Applied Biology 2.

• Applied Biology 2 **322700CW**

PREREQUISITES: Applied Biology 1 and Algebra for the Technologies 1

A laboratory science course that emphasizes problem solving, decision making, critical thinking, and applied learning. Students explore the second half of concepts and principles of biology including evolution, inter-dependence of organisms, and genetics. They apply these concepts and principles to issues in the workplace, in society, and in personal experiences. Concepts include biological evolution, interdependence of organisms, and genetics. Investigative, hands-on lab activities that address the high school inquiry standards are an integral part of this course. **This course is taken in 2nd semester of the 10th grade and has a state End of Course exam that will count for 20% of the final course grade.**

• Biology 1 – CP **322100CW**

An introductory laboratory-based course designed to familiarize the student with the major concepts of biology including cell theory, heredity, ecology, and biological evolution. Students develop critical thinking skills and science process skills through inquiry-based learning experiences in preparation for advanced science courses. **This course has a state End of Course exam that will count for 20% of the final course grade.**

• Biology 1 – Honors **322190HW**

PREREQUISITES: Minimum grade of 85 in both Science 8 Advanced and Algebra 1 in Grade 8; must also take Honors Algebra 2

An introductory laboratory-based course designed to provide students a detailed study of the major concepts of biology including cell theory, heredity, ecology, and biological evolution. These concepts will be addressed in greater depth than in Biology 1-CP. Students develop critical thinking skills and science process skills through inquiry-based learning experiences in preparation for advanced science courses such as Advanced Placement, International Baccalaureate, and Dual-Credit courses. **This course has a state End of Course exam that will count for 20% of the final course grade.**

• Physical Science – CP **321100CW**

This inquiry-based course includes investigations of the basic principles of chemistry and physics. The chemistry portion of the course places emphasis on the periodic table of the elements as it is used in the study of atomic structure and chemical changes. The physics portion of the course includes the study of energy as related to gravity, motion, electricity, magnetism, heat, light, and sound. Physical Science is not considered a laboratory science course.

• Physical Science Honors **321190HW**

Inquiry-based course that includes the basic principles of chemistry and physics. The chemistry portion of the course places emphasis on the periodic table of the elements as it is used in the study of atomic structure and chemical changes. The physics portion of the course includes the study of energy as related to gravity, motion, electricity, magnetism, heat, light, and sound. Honors students are expected to have a strong math background for more independent lab investigations. Physical Science is not considered a laboratory science course.

• Applied Biology 2 **322700CW**

PREREQUISITES: Applied Biology 1 and Algebra for the Technologies 1

A laboratory science course that emphasizes problem solving, decision making, critical thinking, and applied learning. Students explore the second half of concepts and principles of biology including evolution, interdependence of organisms, and genetics. They apply these concepts and principles to issues in the workplace, in society, and in personal experiences. Concepts include biological evolution, interdependence of organisms, and genetics. Investigative, hands-on lab activities that address the high school inquiry standards are an integral part of this course. **This course is taken in 2nd semester of the 10th grade and has a state End of Course exam that will count for 20% of the final course grade.**

• Biology 2 – CP **322201CW**

PREREQUISITES: Biology 1, Physical Science (Recommended Chemistry 1)

A lab science course that includes an introduction to the chemistry of life, study of cell anatomy and physiology, cellular energetics, an overview of the three domains and the five kingdoms of life, and an overview of the human body systems.

• Biology 2 – Honors **322200HW**

PREREQUISITES: C average in Biology 1 and Chemistry 1 and teacher recommendation

A laboratory science that includes an introduction to the chemistry of life and a study of cell anatomy and physiology, cellular energetics, molecular genetics, and structure and function of the human body with emphasis on laboratory dissections. Other topics may be covered at instructor's discretion.

• Biology IB (2 courses over 2 years) **Jr. yr. 322B001W**
Sr. yr. 322C001W

PREREQUISITES: Biology I and Chemistry with at least a B average.

This rigorous college-level course is designed for students with superior academic ability, active interest in the life sciences, and a desire for challenge. A laboratory science that is a 2-credit course taken in the junior and senior years, IB Biology includes the topics covered in the first two semesters of biology at most colleges and universities. The topics studied include statistical analysis, cells, chemistry of life, genetics, ecology and evolution, human health and physiology, nucleic acids and proteins, cell respiration and photosynthesis, and plant science. In addition, two topics will be selected for further study from the following options: human nutrition and health, physiology of exercise, cells and energy, evolution, neurobiology and behavior, microbes and biotechnology, ecology and conservation and further human physiology. The course has a significant laboratory component focused on cross-curricular science investigations. Students will develop the ability to design and implement scientific investigations. The IB exam must be taken to receive IB credit.

• Biology AP (2 courses in 1 year) **1st sem. 327290HW**
2nd sem. 327200AW

PREREQUISITES: Biology I and Chemistry with at least a B average.

This rigorous college-level course is designed for students with superior academic ability, active interest in the life sciences, and a desire for challenge. It is a laboratory science that includes the topics covered in the first two semesters of biology at most colleges and universities. Topics studied include ecology, evolution, biochemistry, cells, enzymes and metabolism, plants and animal structure and function, heredity and molecular genetics. The course has a significant laboratory component, and students will develop the ability to design and implement scientific investigations. The course provides students with the conceptual framework, factual knowledge, and analytical skills necessary to work within the rapidly growing field of science. State regulations require all AP students to take the AP Exam. **(Students receive 2 credits: Biology 2 Honors and AP Biology)**

• Chemistry for the Technologies **323600CW**

PREREQUISITE: Algebra 1 or Algebra Tech 2 is REQUIRED and Physical Science is highly recommended.

A laboratory science that is designed to prepare students for occupations that require knowledge of the technological aspects of chemistry. The course includes topics covered in traditional chemistry, but is taught taking a more real-life approach. The course is activity based and will emphasize problems solving, decision making, critical thinking, and applied learning.

• Chemistry 1 – CP **323100CW**

PREREQUISITE: Algebra 1 and Physical Science

A laboratory science that provides an introduction to the basic concepts and laboratory experiences which includes scientific inquiry, atomic structure and nuclear processes, chemical compounds and reactions, phases of matter and chemical solutions.

• Chemistry 1 Honors **323190HW**

PREREQUISITE: Algebra 2 honors with at least a C average or teacher recommendation.

A more rigorous laboratory science that provides an introduction to the basic concepts and laboratory experiences which will prepare students for advanced study in the sciences. Topics include scientific inquiry, atomic structure and nuclear processes, chemical compounds and reactions, phases of matter and chemical solutions.

• Chemistry 2 Honors **323200HW**

PREREQUISITES: Biology 1 and Chemistry 1 with at least a C average.

A laboratory science that provides a more detailed study of the basic chemical concepts included in Chemistry 1. Topics include atomic structure, stoichiometric calculations, thermochemistry, electrochemistry, periodic relationships, and reaction types. Organic and nuclear chemistry are included along with an extensive series of laboratory experiments, including qualitative analysis, to supplement classroom instruction.

• Chemistry - IB (2 courses over 2 yrs.) **Jr. yr. 323B00IW**
Sr. yr. 323C00IW

PREREQUISITES: Chemistry 1, Algebra 2 and Geometry with at least a B average.

A laboratory science that is a 2-credit course taken in the junior and senior years, IB chemistry includes the topics covered in the first two semesters of chemistry at most colleges and universities. The topics studied include stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. In addition, two topics will be selected for further study from the following options: human biochemistry, drugs and medicines, environmental chemistry, chemical industries, fuels and energy, modern analytical chemistry, and further organic chemistry. The course has a significant laboratory component and a cross-curricular science investigation. Students will develop the ability to design and implement scientific investigations. The IB exam must be taken to receive IB credit.

• Chemistry – AP (2 courses in 1 year) **1st semester 327390HW**
2nd semester 327300AW

PREREQUISITES: Chemistry 2 Honors, Algebra 2 and Geometry with at least a B average.

A laboratory science that includes the topics covered in the first two semesters of chemistry at most colleges and universities. Topics studied include stoichiometry, chemical reactions, atomic theory, periodicity, bonding, states of matter, thermochemistry and thermodynamics, kinetics, equilibrium, acids and bases, electrochemistry, nuclear reactions, qualitative analysis, and organic chemistry. The course has a significant laboratory component, and students will develop the ability to design and implement scientific investigations. State regulations require all AP students to take the AP Exam. **(Students receive 2 credits: Chemistry 2 Honors and AP Chemistry)**

• Physics for the Technologies **324300CW**

An applied physics course that is a laboratory science for students who are planning careers as technicians or for students who are interested in the development of technology both now and in the future. The course utilizes text material, video tapes, and hands-on laboratory applications.

• Physics – CP **324100CW**

PREREQUISITE: Algebra 1 and Geometry Recommended: Algebra 2

A laboratory science that includes the study of mechanics and thermodynamics, wave motion, optics, sound, electricity and magnetism, nuclear and atomic physics. Although the emphasis will be in qualitative comprehension of concepts, the study will develop analytical and mathematical skills necessary to solve elementary physics problems and will include introductory laboratory exercises.

• Physics-Honors **324100HW**

PREREQUISITE: Geometry Recommended: Pre-Calculus

A laboratory science that involves an in-depth study of vectors, graphical analysis, kinematics, dynamics, rotary motion, simple harmonic motion, laws of conservation of mass, energy, and momentum, heat measurement, laws of thermodynamics, conservation of heat exchange, kinetic theory, gas laws, heat and work relationships, properties and characteristics of waves, sound, light, static and current electricity and electromagnetism.

• Anatomy and Physiology - CP **326300CW**

PREREQUISITES: Biology 1 and Chemistry 1

A laboratory science that focuses on the structure and function of the human body with emphasis on the histology and gross anatomy of the body. Topics such as diseases, bodily dysfunctions, immunology, clinical advances, and health careers are discussed to give relevance and meaning to the students. The course would be beneficial to students who are interested in a health-related career.

• Earth Science **326500CW**

PREREQUISITES: Two science credits

Includes the study of the composition of the Earth; the dynamic forces that shape the Earth including plate tectonics, earthquakes, and volcanoes and the composition of the Earth. The course also includes the mapping of the Earth's surface, the movement of the Earth through space, and the use of satellite technology to create the global positioning system. The stars and galaxies, sun, planets, and the effect of the moon on Earth are also explored along with how the Earth is eroded through wind, water, glaciers, and waves. The course concludes with a study of the origin of the universe, geologic time and the history of the continents. **This course does not count as a lab science.**

• Environmental Science **326100CW**

PREREQUISITES: Two science credits

Designed to assist students in the development of a "beyond one's self" view of the world, a review of basic ecological principles will give the scientific grounding for a more thorough investigation of the environmental issues faced today. Students will explore various aspects of environmental science through service projects, environmental awareness and the understanding of how each person can help protect the Earth. **This course does not count as a lab science.**

• Introduction to Forensic Science **329951CW**

PREREQUISITE: Biology 1 and Chemistry 1

Focuses on using science to solve crimes. Forensic pathology and anthropology will also be introduced. Students will participate in inquiry investigations in which they are presented with mock crime scenes. They will learn to process the crime scene and determine which forensic science techniques to use. There may be student costs associated with the purchase of additional instructional materials. This course is a local elective only and does not meet science graduation requirements. **This course does not count as a lab science.**

ENGINEERING / PROJECT LEAD THE WAY

• Introduction to Engineering Design (IED) **605100CW**

PREQUISITE: Algebra I CP should be completed before or while students are taking the IED course
This course meets the computer literacy unit requirement for graduation.

This is the introductory course for the Project Lead The Way pre-engineering program. This course teaches problem-solving skills using a design development process and exposes students to the career field of engineering, as well as the engineering design software, Inventor. Models of product solutions are created, analyzed and communicated using Inventor, which is a solid modeling computer design software. This course meets computer literacy graduation requirements. Students may earn dual credit for this course through the University of South Carolina if they have an overall B average or an 1100 on the SAT and if they score a 70 or better on the EOC exam.

• Principles of Engineering (POE) **605000CW**

This course meets the computer literacy unit requirement for graduation.

PREREQUISITE: Introduction to Engineering Design or teacher recommendation.

This is the second course in a series of pre-engineering courses that helps students understand the field of engineering/engineering technology. Students are encouraged to take the Introduction to Engineering Design (IED) 605100CW prior to this course. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use Math, Science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Students may earn dual credit for this course through the University of South Carolina if they have an overall B average or an 1100 on the SAT and if they score a 70 or higher on the EOC exam.

• Digital Electronics (DE) **605200HW**

This course meets the computer literacy unit requirement for graduation. A course in applied logic that encompasses the application of electronic circuits and devices. Students will study the application of electronic logic circuits (which are found in watches, calculators, video games, and thousands of other devices), and apply Boolean logic to the solution of problems. The use of smart circuits is abundant in industry today and its use is increasing rapidly, making digital electronics an important course of study for a student exploring a career in engineering/engineering technology or computer circuit design. Students will construct, test and analyze simple and complex digital circuitry and design using chips and other components. Successful completers can earn college credit for this course. Students may earn dual credit for this course through the University of South Carolina if they have an overall B average or an 1100 on the SAT and if they score a 70 or higher on the EOC exam.

• Civil Engineering & Architecture (CEA) **605800HW**

This course meets the computer literacy unit requirement for graduation.

Provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Student use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. The course covers topics such as the roles of civil engineers and architects, project planning, site planning, building design, and project documentation and presentation.

SOCIAL STUDIES

One unit of American history, one-half unit of government, one-half unit of economics, and one additional unit of social studies are required in the diploma program. Four units are highly recommended.

• World Geography **331000CW**

Focuses on the physical and cultural characteristics of Earth, including the topics of region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. Emphasis will be critical thinking related to the five themes of geography: location, place, regions, movement, and human-environment interaction.

• Human Geography Honors **331090HW**

Explores the nature, perspectives, and connections between humans and their environment. Major topics include physical geography, population analysis, cultural patterns and processes, political organization of space, agriculture and rural land use, industrialization and economic development, and cities and urban land use. Students may be allowed to take the Advanced Placement exam at the end of the course**.** Students at Northwestern and Rock Hill High School may take **Human Geography Advanced Placement**, course number **337900AW**.

• American Government and Economics-Honors **333090HW**

Examines the foundation of the United States governmental system as well as other types of governments that exist in our world today. This course includes an extensive look at the three branches of government, our two-party system, the electoral process, foreign policy, and federalism. Civil liberties and the role/responsibilities of American citizens within a democratic society are also addressed. The economics portion of the course examines the free enterprise system while incorporating the appropriate terminology and theories of the most prominent economists. In addition, the course focuses on the United States' role in a global economy, supply and demand, the Federal Reserve, investing, and taxation.

• Survey of Early American History *1st semester* **339915CW**

Examines the development of the U.S. Constitution and the history of America beginning with the discovery/exploration period and continuing through the Gilded Age. The course will focus on the creation of the original 13 colonies, the American Revolution, the development of the new American nation, the Civil War, Reconstruction, and the Gilded Age. This course should be taken in 11th grade along with American History and Constitution.

• American History and the Constitution *2nd semester* **332000CW**

Examines the Progressive Era, the Rise of Imperialism, the Great Depression, World Wars I and II, the Korean and Vietnam conflicts, Cold War and Post-Cold War developments in American History. This course should be taken in the 11th grade along with Survey of Early American History. **This course has a state-required End of Course test that will count for 20% of the final course average.**

• History of the Americas IB HL **336C00IW**

Students must also take Twentieth Century History topics and the IB exam to receive IB credit.

Emphasizes the political, social, economic, and cultural history of the Western Hemisphere. The course will emphasize common themes in the development of North and South America, such as colonization, revolution, slavery, imperialism, political systems, and war. The student will learn historical content; interpret and evaluate primary sources; research topics by using primary, secondary, and technological resources; and express himself clearly, effectively and analytically in written essays and class presentations. **This course is taught on an A/B day and is paired with English 4 IB in the junior year. This course has a state-required End of Course exam that will count for 20% of the final course average.**

• Advanced Placement U.S. History **337200AW**

PREREQUISITES: English 3 Honors

Examines the development of the U.S. Constitution and the history of America, including the discovery/exploration period through the post-Cold War era. It focus on the critical analysis early colonization, the American Revolution, the development of the new American nation, the Civil War, the Progressive Movement, the Spanish-American War, the Great Depression, World Wars I and II, the Korean and Vietnam conflicts, Cold War and Post-Cold War developments. State regulations require all AP students to take the AP Exam. **This course is taught on an A/B day and is paired with English 4 AP Language and Composition in the junior year. *A state-required End of Course exam will count for 20% of the final course average.**

• Theory of Knowledge **Jr. yr. 338G00HH**
Sr. yr. 338G00HH

This course is required for IB Diploma candidates and is offered only to IB Diploma students.

TOK is an interdisciplinary course designed to stimulate critical reflection on knowledge and experience gained inside and outside the classroom. Students must write an essay and make a presentation for the IB assessment in TOK. Students earn one half credit in the junior year and one half credit in the senior year.

• American Government and Economics **333000CW**

Examines the foundation of the United States governmental system. This course includes a detailed study of the structure and function of the three branches of government, the two-party system, the suffrage movement, nominations, elections, public opinion, pressure groups, and state and local government. This course examines the free enterprise system and the language of economics and includes profiles on the lines and theories of major economists. This course includes a study of markets, supply and demand, types of businesses, labor and production, the banking system, business cycles, and world trade.

• AP European History **337600AW**

PREREQUISITE: English 4 AP or IB Provides students with the analytical skills and factual knowledge necessary to deal critically with the principle themes and documented materials in European history since 1450 State regulations require all AP students to take the AP Exam. **This course is taught on an A/B day and is paired with English 5 AP Literature in the senior year.**

• Twentieth Century History Topics-IB HL **336D00IW**

PREREQUISITE: History of the Americas IB The student must take the IB History exam to receive IB credit. 20th Century Topics is taught in conjunction with History of the Americas; the course examines such topics as the conflicts of the 20th century, rise of single party states, and the Cold-War.
This course is taught on an A/B day and is paired with English 5 IB in the senior year.

• IB Psychology Seminar SL ***1st semester*** **334D00HW**
The IB exam must be taken to receive IB credit. ***2nd semester*** **334A00IW**

A two-unit yearlong course, which focuses on three perspectives of psychology: the biological perspective, the cognitive perspective, and the learning perspective. These perspectives are explored by studying the development and cultural contexts, the framework, and the methodologies, and the application for each perspective. The student will also conduct
a simple experimental study.

• Psychology **334000CW**

Deals with developmental psychology from conception to death, personality and learning theory, states of consciousness, and abnormal psychology.

• Psychology 101 **334200EW**

PREREQUISITE: Overall 3.0 GPA required. Students must pay the college tuition.
Dual credit three-hour course that introduces and surveys the basic findings in the field of psychology. This course provides a general introduction to the scientific study of human behavior and mental processes. It explores such topics as the following: methods of research, physiological development of the individual, learning and memory, motivation, emotions, cognitive processes, sensation and perception, personality, behavioral and mental disorders, and individual differences. Experimental research and practical applications are stressed.

• Sociology **334500CW**

Introduces the basic elements of sociology. This course explores the principles of sociology and man in relation to his cultural and social environments. This course places emphasis on the study of contemporary man in groups to specify the relationship between man and society and man in society. The second half of the course emphasizes the elements of change in society and investigates present-day problems of American society.

• Teacher Cadet 101 **338900EW**

PREREQUISITES: 3.0 GPA or higher and completed application. Students must pay the $30.00 Winthrop tuition. Encourages students who possess a high level of academic achievement and traits found in good teachers to consider teaching as a career. Students gain exposure to many facets of education through classroom discussions, observation and participation in classrooms, and interaction with successful

administrators and teachers. Students must complete an application to enroll in this honors level course. Successful completion of this college level course grants three hours of college credit.

• Criminal Justice 101 **652000EW**

PREREQUISITE: 3.0 GPA required. Students must pay $198.00 USC-L tuition.

Dual credit three-hour course that provides an overview of the American Criminal Justice Network. The course starts with the causes of crime along with research and statistics as they are used within the discipline. Law enforcement, courts, and corrections are explored as components within the system. Special topics, including juvenile justice, use of force within the various components and handling of special populations by the system are explored during the course.

• Historical Perspectives of World Religions **339904CW**

Traces the historical development of world religions from 4000 B.C. through the 20th Century. This elective course explores the religious literature; major beliefs and practices; important leaders; and the effects of these religions on history. The study of Hinduism, Buddhism, Christianity, Judaism, and Islam are included in this course.

• Law-Related Education **333600CW**

This course is designed for any student who has an interest in a legal or law related field of work. It provides an overview of the structure and operation of the federal and state court systems. There are six major topics to be covered: individual civil rights, individual duties to others, criminal law, tort law, consumer law, and property rights or property law. The course also includes case studies, mock trials, and role play. It explores the issues and occurrences which affect students[1] lives and the lives of those around them.

• Law-Related Education Honors **333600HW**

PREREQUISITE: Government and Economics Honors Provides junior and senior students with interactive learning in current political, economic, legal, social and geographic issues accessed with technology. Students will investigate, debate, and develop solutions to world problems, using personal or school-owned technology devices.

PHYSICAL EDUCATION

The physical education courses in the high schools are organized so that students participate in a variety of activities. These courses may be taken as the physical education requirement for high school graduation or as electives. P. E. 1 or ROTC are the only P. E. courses that meet graduation requirements. Other P. E. courses can be taken as electives.

• Physical Education 1 (Physical Education 1 is a prerequisite for all other P. E. courses)

Involves students in a variety of new or familiar activities, which may include any of the following: physical fitness, volleyball, basketball, jogging, softball, badminton, weight training, disc sports, wrestling, ribbons, rhythms (aerobics and dance), table tennis, bowling, tennis, floor hockey, track and field and soccer. (Some schools offer most or all of these activities in their cluster.)

• Aerobics **344202CW**

Available at RHHS and SPHS

Aerobics includes an assortment of aerobic and dance activities and introduces students to the concept of aerobics and dance as a part of a total wellness program. Introductory and advanced skills will be incorporated into the routines.

• Individual and Team Sports **344210CW**

PREREQUISITE: P. E. 1 or ROTC

Includes a variety of individual and team sports selected from the following activities: tennis, badminton, table tennis, softball, physical fitness, flag football, speedball, track, volleyball, basketball, soccer and wrestling.

• Fundamentals of Coaching **349905CW**

Provides students with training in the field of coaching a variety of sports. Includes instruction in developing a coaching philosophy, developing team expectations, scheduling practices and games, making game preparations, conducting tryouts, managing facilities and equipment, working with parents and the public, and motivating athletes. Students who believe they may want to enter the field of coaching at any level may be interested in this practitioner's course.

•Personal Fitness **344211CW**

PREREQUISITE: P.E. 1 or ROTC

Emphasizes the development of healthy lifestyles and personal fitness. An individualized fitness plan will be implemented for each student that will include walking and other aerobic activities, resistance training, flexibility exercise, and nutritional guidelines. The teacher will serve as a personal trainer to help students reach healthy fitness zones.

• Total Body Conditioning 1 **344310CW**

PREREQUISITE: PE I and Teacher Approval

An introduction to the fundamentals of strength conditioning, training, and goal setting within incremental blocks of instruction, flexibility, agility and proper running techniques. There is also an introduction to basic anatomy and muscle movement. Instruction focuses on the individual's physical development.

• Total Body Conditioning 2 **344311CW**

PREREQUISITE: Total Body 1 and Teacher Approval

Continues the fundamentals of strength conditioning, training, and goal setting within incremental blocks of instruction, flexibility, agility and proper running techniques. Instruction in anatomy and muscle movement continues. Responsibilities are increased in the areas of safety and teamwork. There are also higher expectations for strength, speed, cardio, and agility gains.

• Total Body Conditioning 3 **344312CW**

PREREQUISITE: Total Body 2 and Teacher Approval

This course continues the foundations established in the previous prerequisite courses. It has increased expectations of strength gain, speed development, cardio, and increased agility. Students will set personal goals around weight training and document their progress towards these goals. Students in the course who play sports will investigate the physical qualities necessary to be in optimal condition. The goal of the total body sequence is to create a lifestyle of fitness for students.

• Total Body Conditioning 4 **344313CW**

REREQUISITE: Total Body 3 and Teacher Approval

This course continues the foundations established in the previous prerequisite courses. Instruction is sport specific and has increased expectations of strength gain, speed development, cardio, and increased agility. Students will set personal goals around weight training and document their progress towards these goals. Students in the course who play sports will investigate the physical qualities necessary to be in optimal condition. The goal of the total body sequence is to create a lifestyle of fitness for students

• Sports Medicine 1 **555500CW**

It is recommended that Medical Terminology be taken in conjunction with this course.

Introduces the methods associated with the care and prevention of athletic injuries along with a basic understanding of anatomy and physiology. This course is taught at the home high schools.

HEALTH EDUCATION

• Healthy Lifestyles
Emphasizing personal responsibility, this course offers students current information and skills development opportunities in planning and practicing a healthy lifestyle. Focusing on student understanding of the importance of physical, emotional, and social health to the quality of life during all stages of human development, this course provides a basis for lifelong learning in primary health topic areas. This course **is required for graduation for all students**. Healthy Lifestyles is a ½-unit course and is taught with Success By Design.

WORLD LANGUAGES

Four years of French and Spanish are offered for high school credit. Students planning to attend a public college or university in South Carolina must have completed a minimum of two units of a foreign language.
It is strongly recommended that all college bound students complete three units of a foreign language.

FRENCH

• French 1 **361100CW**
French 1 Introduces students to basic vocabulary, grammar, and culture through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing.

• French 1- Accelerated **361190CW**
This course moves at a more accelerated rate than the French 1 course and is designed for 9th grade students who intend to pursue an IB Diploma or IB Certificate in foreign language OR who have previous experience studying the language. It emphasizes study of vocabulary, grammar, and culture through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and are expected to use the studied language for at least 80% of the class period.

• French 2 **361200CW**
PREREQUISITE: French 1
Continues development of communication skills related to culture and cross-cultural understanding through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and narrating.

• French 2—Accelerated **361290CW**
PREREQUISITE: French 1 Accelerated
This course moves at a more accelerated rate than the French 2 course and is designed for 9th or 10th grade students who intend to pursue an IB diploma or IB certificate in foreign language. It emphasizes continued development of communication skills related to culture and cross-cultural understanding through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and narrating, with additional emphasis on proficiency in communication about a variety of topics.

• French 3 **361300CW**

Expands on previously-studied themes and elements of cross-cultural understanding to include exploration of issues and perspectives in French-speaking cultures. Instruction includes interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for narrating and explaining, and are expected to use the studied language for at least 80% of the class period.

• French 4 Honors **361490HW**

This course is designed for students who wish to develop upper-intermediate communication skills, with emphasis on using more advanced language structures in interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Some study of literature may be included. Students will develop skills for explaining and analyzing, and are expected to use the studied language for more than 80% of the class period. This course meets every day for one semester.

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• IB French B SL Seminar **361J00HW**

This is the first of two courses that constitute the International Baccalaureate (IB) requirements. It is open to juniors who plan to take the French IBSL course as seniors and who will take the IB exam in 12th grade. This course is taught on a yearlong A/B schedule, paired with one other IB course. In this course students will begin to explore topics related to social relationships, communication and the media, global issues and two of five optional topics specified by IB curriculum. They will develop upper-intermediate communication skills, with emphasis on using more advanced language structures in interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for explaining and analyzing, and are expected to use the studied language for more than 80% of the class period.

• French IB SL **361G00IW**

This is the second of two courses in the IB diploma program. It is open to seniors who plan to take IB exams at the end of 12th grade and is taught on a yearlong A/B schedule, paired with IB science. Students will continue their exploration of topics related to social relationships, communication and the media, global issues and two of five optional topics specified by IB curriculum. They will develop upper-intermediate communication skills, with emphasis on using more advanced language structures in interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will expand skills for explaining and analyzing, and are expected to use the studied language for more than 80% of the class period.

SPANISH

• Spanish 1 **365100CW**

Spanish I introduces students to basic vocabulary, grammar, and culture through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing.

• Spanish 1 Accelerated **365190CW**

This course moves at a more accelerated rate than the Spanish 1 course and is designed for 9th grade students who intend to pursue an IB Diploma or IB Certificate in foreign language OR who have previous experience studying the language. It emphasizes study of vocabulary, grammar, and culture through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and are expected to use the studied language for at least 80% of the class period.

• Spanish 2 **365200CW**

Continues development of communication skills related to culture and cross-cultural understanding through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and narrating.

• Spanish 2 Accelerated **365290CW**

PREREQUISITE: Spanish 1 Accelerated

This course moves at a more accelerated rate than the Spanish 2 course and is designed for 9th or 10th grade students who intend to pursue an IB diploma or IB certificate in foreign language. It emphasizes continued development of communication skills related to culture and cross-cultural understanding through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and narrating, with additional emphasis on proficiency in communication about a variety of topics.

• Spanish 3 **365300CW**

Expands on previously-studied themes and elements of cross-cultural understanding to include exploration of issues and perspectives in Spanish-speaking cultures. Instruction includes interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for narrating and explaining, and are expected to use the studied language for at least 80% of the class period.

• Spanish 4 Honors **365490HW**

This course is designed for students who wish to develop upper-intermediate communication skills with emphasis on using more advanced language structures in interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expressions, and interpersonal activities for interaction with others. Some study of literature may be included. Students will develop skills for explaining and analyzing, and are expected to use the studied language for more than 80% of the class period. This course meets every day for one semester.

• IB Spanish B SL Seminar **365J00HW**

This is the first of two courses that constitute the International Baccalaureate (IB) requirements. It is open to juniors who plan to take the Spanish IBSL course as seniors and who will take the IB exam in 12th grade. This course is taught on a yearlong A/B schedule, paired with one other IB course. In this course students will begin to explore topics related to social relationships, communication and the media, global issues and two of five optional topics specified by IB curriculum. They will develop upper-intermediate communication skills with emphasis on using more advanced language structures in interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for explaining and analyzing, and are expected to use the studied language for more than 80% of the class period.

• Spanish IB SL **365G05IW**

This is the second of two courses in the IB diploma program. It is open to seniors who plan to take IB exams at the end of 12th grade and is taught on a yearlong A/B schedule, paired with IB science. Students will continue their exploration of topics related to social relationships, communication and the media, global issues and two of five optional topics specified by IB curriculum. They will develop upper-intermediate communication skills, with emphasis on using more advanced language structures in interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others.

Students will expand skills for explaining and analyzing, and are expected to use the studied language for more than 80% of the class period.

• Advanced Placement Spanish **367500AW**

This course is a rigorous level Spanish course for students with three or four years of Spanish study and for native speakers who would like to take the Advanced Placement exam. Students will use a thematic approach in their study of language and culture concepts and will be expected to use the target language almost exclusively in class. Students must take the AP exam to earn AP credit.

• IB Spanish Ab Initio SL Seminar (not offered at all schools) **1st year 365F90HW**
2nd year 365F00IW

Geared towards juniors and seniors who are interested in pursuing the IB diploma but have never formally studied Spanish. The curriculum is advanced and moves quickly to immerse the student in the four skills of listening, reading, writing, and speaking. Students will exit the course with the equivalent knowledge of regular levels 1-3 of Spanish.

CHINESE

• Chinese 1 **461100CW**

Chinese 1 introduces students to basic vocabulary, grammar, and culture through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing. Students will also learn to write Chinese characters.

• Chinese 2 **461200CW**

Continues development of communication skills related to culture and cross-cultural understanding through interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for describing and narrating and will continue to build their knowledge base of Chinese characters.

• Chinese 3 **461300CW**

Expands on previously-studied themes and elements of cross-cultural understanding to include exploration of issues and perspectives in Chinese-speaking cultures. Instruction includes interpretive (listening and reading) activities for comprehension, presentational (speaking and writing) activities for expression, and interpersonal activities for interaction with others. Students will develop skills for narrating and explaining, and are expected to use the studied language for at least 80% of the class period. Students will continue to develop the use of Chinese characters.

• IB Mandarin Ab Initio SL Seminar (Not offered at all schools) **461F90HW**

Students must pay $950.00 over 2 years.

This honors weighted course is for students to achieve communicative competence in a variety of everyday situations. The objective of the course is clear and effective communication through the understanding and usage of a range of essential spoken and written forms of the language. Vocabulary and expressions of common usage will be the key focus. While the speaking and the listening skills are emphasized, the reading and writing skills are required as well. Aspects of the everyday life and culture of the Chinese speaking communities will be explored. Students in this course are on track to take the Mandarin ab initio IB SL course and sit for the IB exam in 12th grade. This course is taught on an A/B schedule with IB science.

• IB Mandarin Ab Initio SL (Not offered at all schools) 461F00IW

This course is for students to achieve communicative competence in a variety of everyday situations. The objective of the course is clear and effective communication through the understanding and usage of a range of essential spoken and written forms of the language. Vocabulary and expressions of common usage will be the key focus. While the speaking and the listening skills are emphasized, the reading and writing skills are required as well. Aspects of the everyday life and culture of the Chinese speaking communities will be explored. Students will sit for the IB exam in 12th grade. This course is taught on an A/B schedule with IB science.

BUSINESS & COMPUTER EDUCATION

Get a head start in the business world with Business and Computer Education in high school. This cluster is designed to prepare students for college courses in business and computer systems as well as entry-level employment in the areas related to planning, managing, and providing administrative support, information processing, accounting, and related management services. Students enrolled in Business courses are encouraged to join Future Business Leaders of America (FBLA)

• Accounting 1 500100CW

Helps the student develop an understanding of assets, liabilities, owner's equity, payroll and taxes as students learn how to maintain business records and prepare financial statements. An accounting background provides the necessary skills to manage personal finances and prepare for further accounting and business study in college.

• Accounting 2 500500CW

PREREQUISITE: Accounting 1

Students continue to record transactions in journals and maintain customer and vendor ledgers as they balance the business's books and perform end-of-year procedures. Concepts such as depreciation, allowance for bad debts, inventory, notes, interest and dividends are introduced.

• Business Entrepreneurship 540000CW

Focuses on the managerial process and examines the functions of planning, organizing, staffing, and directing as related to the activities and responsibilities of an entrepreneur. It also includes interpretation of financial documents. The course will include the use of the computer with simulations as well as instruction for spreadsheet software.

• Business Law 504400CW

This course is designed to provide the student with knowledge of the legal environment in which a consumer operates, to provide the student with knowledge of the legal environment in which a business operates, and to provide the student with the knowledge of legal principles. Emphasis is placed on the effects that legislation has on business practices, legal forms, and legal terminology. Case problems and activities will help students learn about rights, privileges, and responsibilities of consumers, workers, and citizens.

• Integrated Business Applications 1 502000CW

This course meets the computer literacy unit requirement for graduation.

Focuses on word processing, spreadsheet, database, and presentation software as related to processing data into useful information needed in business situations. This course is designed to prepare students for **Microsoft Office User Specialist** (MOUS) Certification which is a globally recognized standard for demonstrating desktop skills with the Microsoft Office suite of business productivity applications.

• Integrated Business Applications 2 **502100CW**

This course meets the computer literacy unit requirement for graduation.

PREREQUISITE: Integrated Business Application 1

Exposes students to advanced computer concepts as related to processing data into useful information needed in business situations. The students will learn advanced database, spreadsheet, word processing, and presentation software capabilities. This course prepares students for Microsoft Office Specialist (MOS) certification, a globally recognized standard for demonstrating desktop skills with the Microsoft Office suite of business productivity applications.

• Web Page Design & Development 1 **503100CW**

This course meets the computer literacy unit requirement for graduation.

PREREQUISITE: Digital Multi-media or Integrated Business Applications 1 or Computer Programming 1

Provides students with the knowledge and skills needed to design Web pages using authoring tools and HTML. Students will develop skills in designing, implementing, and maintaining Web pages.

• Web Page Design & Development 2 **503300CW**

This course meets the computer literacy graduation requirement.

PREREQUISITE: Webpage Design 1

Provides advanced training in designing, maintaining, and upgrading webpages for personal and/or professional purposes. Major concepts include HTML, cascading style sheets, and JavaScript.

• Digital Desktop Publishing **517600CW**

This course meets the computer literacy graduation requirement.

PREREQUISITE: Integrated Business Applications 1

Students will learn the process and art of combining text and graphics to communicate effective messages by using desktop publishing software. Students design, format, illustrate, edit, revise, and print publications such as newsletters, flyers, brochures, reports, and other advertised materials. Students will gain the skills to effectively use color, type fonts, graphics, focus, balance, proportion, contrast, directional flow, white space, and consistency.

• Computer Programming 1 **505000CW**

This course meets the computer literacy unit requirement for graduation.

PREREQUISITE: Algebra 1 or Math Tech 2 Emphasizes the fundamentals of computer programming through hands-on activities. Topics include algorithm, interface, and program design and development, along with practical hands-on experience in programming using a modern object-oriented language. Students work with variables, constants, data types, expressions, decision structures, and repetition structures, which lead to advanced programming with arrays, graphics, spreadsheet and database interfacing. Appropriate for students planning to major in Computer Science and Engineering, including game development and mobile apps.

• Computer Programming 2 **505100CW**

This course meets the computer literacy unit requirement for graduation. PREREQUISITE: Computer Programming 1 Emphasizes the fundamentals of computer programming through hands-on activities. Topics include algorithm, interface, and program code design and development, along with practical hands-on experience in programming using a modern object-oriented language, including game programming. Students work with variables, data types, expressions, decision structures, and repetition structures, which lead to advanced programming with arrays, spreadsheet and database interfacing.

• Computer Science - Advanced Placement **477100AW**

PREREQUISITE: Computer Programming 2

Provides a thorough study of computer science that is the equivalent of the material covered in the first year of computer science at most colleges and universities. The course includes programming methodology, features of programming languages, data structures, algorithms, and the structure and responsible use of computer systems. The AP exam must be taken to receive AP credit.

• IB Information Technology for a Global Society SL Seminar **1st Semester 473B00HW**
(Yearlong course) **2nd Semester 473A00IW**

The IB exam and completion of a project are required to receive IB credit. This course meets the computer literacy unit requirement for graduation.

Prepares students to explore the advantages and disadvantages of the use of digitized information and digital technologies at the local and global level. The course provides a framework for the student to make informed judgments and decisions about the use of information technology within social contexts, promoting an understanding of the social significance of information technology to individuals, communities, and organizations. Students will also analyze and evaluate the ethical considerations arising from widespread use of information technology, and recognize that people can hold diverse opinions about the impact of information technology on individuals and societies. For the project, students will be expected to create a comprehensive information technology solution to a complex problem, using skills learned from the class.

• Digital Multimedia **503020CW**

This course meets the computer literacy graduation requirement.

Provides the student with the knowledge and skills needed for entry-level positions in multimedia and web publishing. Multimedia combines, graphics, audio, and video within an interactive environment.

• Virtual Enterprise 1 and 2 **51500CW and 515100CW**

PREREQUISITE: Two of the following: Integrated Business Applications 1, Webpage Design, Digital Multi-media, Business Entrepreneur, Accounting 1, OR *Business Teacher Signature

Provides students with hands-on experience running a virtual business. Students will participate in all phasing of establishing and operating a business on the Internet. It is recommended that students take Business Entrepreneurship, Accounting and/or Web Design and Development prior to taking this course to prepare them for leadership roles and responsibilities. A maximum of four credits may be earned.

• Sports and Entertainment Marketing **542500CW**

PREREQUISITE: Marketing

This program is designed for students who wish to pursue careers in the various areas of the sports and entertainment industry. This includes careers in box office management and sales, group sales, public sales, marketing, operations, development and sports programming. This course will consist of classroom learning as well as out of the class involvement with the school's athletic and entertainment programs.

FINE ARTS

Evidence of Arts Education's Importance
(Excerpt from *Regarding the Status of Arts Teachers and Disciplines in Schools* by Dr. Sue Snyder)

Learning in the arts is brains-on, hands-on, and helps students develop the processes of creating, sharing, and responding. These artistic processes become a lab for learning in all disciplines. The artistic process is linked to higher order thinking and creativity.

The arts are often cited as motivating factors that keep students in school through the middle and high school years. They are equally important for low, average, and high achieving students; and particularly for high creative students who can always see (hear, or feel) more than one right answer.

The arts build self-esteem and the ability to think independently. They also build both the ability to work alone and to collaborate in communal activities that build a sense of belonging. Students involved in the arts at the high school level score higher on SATs and other standardized high-stakes tests. The more years of involvement, the higher the average scores.

ART

• Art 1 **350100CW**

What qualifies as art? How do we create art? Where do we get ideas?

Foundation level course that will build upon prior artistic experiences. The student will explore a variety of materials and processes. Processes will include drawing, painting, collage, 2D and 3D design, and more. Studio production of artwork will be accompanied by writings and discussions related to processes, criticism, aesthetics and art history.

• Art 2 **350200CW**

How will I solve this problem?

PREREQUSITE: Art I or minimum grade of A or B in Intro to Art with teacher approval.

A continued exploration of processes and media with a focus on the essential skills of drawing from observation, 2-D and 3-D design**.** Drawing will focus on the fundamentals of line, value, perspective, and composition. Media will include graphite, charcoal, pastel, ink, watercolor, and acrylic. Design, ceramics, and sculpture will also be included. Students will be given more freedom to experiment and will begin to develop an artistic style and areas of interest.

• Art 3—2D Design **350300CW**

How will I utilize the elements and principles?

PREREQUISITE: Art 2 and teacher approval

An expansion of drawing with an increased emphasis on composition and concept as well as the creative design elements of line, space, form, texture, color, and technical skill. Visual organization is the focus. Drawing from observation is further explored, and personal choice, style and subject matter are emphasized. In addition to drawing and painting, projects may include printmaking, figure studies, commercial design, packaging design, advertising, text and fonts, illustration, collage, quilting and more.

• Art 3—3-D Design **350301CW**

How will I work with form and space?

PREREQUISITE: Art 2 and teacher approval

A comprehensive exploration the elements and principles as they relate to sculptural tools, techniques, and design problems. Projects may include ceramics, sculpture, fiber arts, paper mache, carving, jewelry & metals, bookmaking, and recycled material sculpture.

• Art 4 Honors **350401HW**

What choices will I make?

PREREQUISITE: Art 3 and teacher approval

An advanced art course with projects based on personal exploration and interests. For the self-motivated student who is developing an artistic style. Students will use their own strengths and interests to complete teacher assigned projects by making choices in subject matter and media (with teacher direction and approval) in order to produce a large body of work.

• AP Art Independent Study **357200AW**

How do I create a focus for my work?

PREREQUISITE: Art 4 & Portfolio Review (Must take Art 4 the semester prior) **This is a college course with rigorous requirements and a summer assignment.**

This course is reserved for independent and self-directed students with a strong dedication to art. Students are responsible for 24 pieces of quality work and are eligible for 3 hours of college credit upon completion of portfolio review.

• IB Visual Arts SL Seminar (2 semesters) **351E00HW & 351B00IW**

PREREQUISITE: 2 Art courses. Open to IB and non-IB students

Emphasizes critical thinking, intercultural understanding, and exposure to a variety of points of view. Students will develop their artistic skills and record their growth as an artist in a Research Workbook.

THEATRE ART

• Introduction to Theatre **459901CW**

Serves as an introduction to the fundamentals of theatre. Students will broaden their appreciation and understanding of Theatre as a form of art, expression, discipline, history and literature. Students will explore many avenues of theatre including a variety of theatre experiences, an introduction to design and production, the basics in acting, and an overview of theatre history. This course is designed for first time theater students.

• Theatre Crafts **452100CW**

PREREQUISITE: Introduction to Theatre

Covers the basic technical aspects of the theater: scenery, lighting, sound, costumes, makeup, properties, posters, publicity, and stage management. This course also helps the student develop an appreciation of the technical theater through the study of theater history and the reading of plays and viewing of films for analysis of their technical applications. The course offers students practical experience in stagecraft and scenic design through their work on in-class and extra-curricular productions.

• Playwriting and Performance **452200CW**

PREREQUISITE: Introduction to Theatre

Serves as an intermediate class in theatre and its components-literature, production, and performance. Under teacher guidance, each student writes a one-act play suitable for presentation before an audience. As intermediate actors, students study techniques of stage performance for the modern actor including scene study, monologue presentations, acting terminology, voice and body movement. This course is designed for students with prior middle school or high school theater experience.

• Advanced Acting Methods **452300CW**

PREREQUISITES: Playwriting and Performance *Requires teacher approval*

Includes advanced work in production, performance and aesthetics through the study of acting styles of great performers past and present; the analysis of outstanding classic and modern plays; the study of directing techniques used by renowned theater practitioners; and scene study and production with emphasis on directing. The course provides each student the opportunity to develop his/her potential in theater and to gain a basic knowledge of what is required to prepare for a career in theater today.

• Musical Theater **452400CW**

PREREQUISITES: Introduction to Theater Beyond the basic introductory concepts of theater. It is a specialized topics class designed to develop a students' skills in acting, singing, dancing and performance. It is performance based in nature and is available to all students.

• IB Theater SL Seminar **Jr. yr. 452D00HW**

(Offered only at SPHS) **Sr. yr. 452A00IW**

Enables students to develop performance skills, study selected texts from an international perspective, exercise practical analysis of a play from a director's point of view, and participate in theatrical production. Students will maintain a reflective journal which will be included in their final portfolio. Participation in this course will enable students to develop communication skills, the ability to collaborate with others, analysis and reflection of written works from a global perspective, imaginative research, and self-analysis.

BAND

Students must meet the following requirements to participate in the high school band program: successfully complete a middle school band program; be recommended by the middle school band director; and demonstrate instrumental proficiency in an audition for the senior high band director.

• Marching Band **353000CW**
Requires advanced technical skills in music. The band performs at football games, competitions, and parades. By enrolling, the student agrees to attend all rehearsals and activities as required by the band director including summer band camp.

•Instrumental Ensemble **353100CW**
Requires advanced technical skills in music. This course emphasizes a variety of musical styles and technical facility consistent with grades 2 and 3 band literature and is designed to prepare students to participate in the Concert and Symphonic Bands. By enrolling, the student agrees to attend all rehearsals and activities as required by the band director.

• Concert Band **353200CW**
Requires advanced technical skills in music. This course emphasizes a variety of musical styles and technical facility consistent with grades 3 and 4 band literature and is designed to prepare students to participate in the Symphonic Band. By enrolling, the student agrees to attend all rehearsals and activities as required by the band director.

• Symphonic Ensemble **353300CW**
PREREQUISITE: Audition
Requires advanced technical skills in music. This ensemble is the top instrumental ensemble and performs at the state concert band festival and for any other community or school events as required by the band director. This course emphasizes a variety of musical styles and technical facility consistent with grades 5 and 6 band literature. By enrolling, the student agrees to attend all rehearsals and activities as required by the band director.

• Symphonic Honors Band **353400HW**
PREREQUISITE: Band in grades 9 & 10 & Audition
Offers honors credit in 11th and 12th grade for students who complete all requirements of the symphonic honors band curriculum. The course provides opportunities for advancement and refinement of musical skills, higher level musical pieces, and the application of aesthetic judgment. Emphasis will be place on refining ensemble performance skills, recognition of musical styles and historical periods, and the study of grade 5 and 6 literature for band, chamber ensemble performance and creative development.

CHORUS

• Choral Ensemble (RHHS) **354100CW**
• Singers (NHS / SPHS)
PREREQUISITE: Audition
This class is primarily for 9th graders. In this class, students will develop vocal techniques and sight-singing skills in addition to a strong base of music theory. Attendance at rehearsals and concerts outside of the school day (*including weekends*) is required.

• Chamber Singers (NHS/RHHS) **354200CW**
• Stallion Vocal Ensemble (SPHS)
PREREQUISITE: Audition or Teacher Approval
RECOMMENDED: Completion of Choral Ensemble This class is primarily for 10-12th graders. In this class, students will develop vocal techniques and sight-singing skills in addition to a strong base of music theory. This intermediate choir will prepare students for Concert Choir/Troubadours, emphasizing a variety of musical styles and technical skills consistent with an intermediate level of choral literature. This choir features a minimum of one performance per semester. There is an emphasis on a variety of musical styles and technical skills consistent with intermediate high school choral repertoire. By enrolling and being accepted through audition, the student agrees to attend rehearsals, activities, and performances outside of the regular school day (including weekends) as required by the choral director.

• Concert Choir (RHHS /SPHS) **354300CW**
• Troubadours (NHS)
PREREQUISITE: Audition
RECOMMENDED: Completion of Choral Ensemble This class stresses advanced choral performance techniques. The choir performs yearly at the State Choral Competition, a national competition, and for other community and school events. This course emphasizes a variety of musical styles and technical skills consistent with the highest grade of choral literature. By enrolling and being accepted through audition, the student agrees to attend rehearsals, activities, and performances outside of the regular school day (*including weekends*) as required by the choral director.

• Concert Choir Honors (RHHS/SPHS) **354400HW**
• Troubadours Honors (NHS)
PREREQUISITE: Teacher Approval
Taking Choral Ensemble/Singers in preparation for the Concert Choir/Troubadours is highly recommended. Honors Chorus members may receive honors credit in the 11th and 12th grade for completing all requirements of the Honors chorus curriculum. This course will provide opportunities for advancement and refinement of musical potential, higher level thinking skills and aesthetic judgment. Emphasis will be placed on refining ensemble performance skills, recognition of musical styles and historical periods, and the study of more advanced literature for chorus, creative development and self-evaluation. Honors Chorus provides a rigorous and challenging curriculum for those select chorus students with the commitment and ability to undertake a more demanding workload in the areas of music performance and scholarship.

• IB Music SL Seminar **356D00IW**
(Offered only at NHS and RHHS)
To receive IB credit, the student must pass the IB music exam. Students enrolled in IB music must also be enrolled in band, chorus, or orchestra for the entire school year.
This rigorous semester course includes the study of music in western society, international music, basic music literacy, and music theory. Through this exploration of music, students will be able to listen to a piece of music and identify its genre and style. Students will write a paper comparing and contrasting two musical styles from historical perspective. **A basic knowledge of music theory and strong writing skills are <u>strongly recommended.</u>**

ORCHESTRA

Playing a stringed instrument presents a unique opportunity for high school students who are interested in doing something out of the ordinary. Playing a stringed instrument fosters musical expression and creativity, enhances the ability to work with others toward a common goal, and creates a challenging outlet for leisure time. Through self-motivation, daily rehearsals and participation in various school and community concerts, the "string experience" provides an excellent opportunity for students to achieve personal satisfaction through music

• Concert Orchestra **1st semester 355010CW**
Director approval required **2nd semester 355011CW**
Requires advanced technical skills in music. This course emphasizes ensemble playing experience while continuing to develop bowing, rhythm, and position work. The course also emphasizes basic music theory, a variety of musical styles, and technical facility. The core musical study is grade 3 with some grade 4 string orchestra literature. Opportunities for solo work and small ensemble experience are available.

• Strings Chamber Orchestra **1st semester 355012CW**
Director approval required **2nd semester 355013CW**
Requires advanced technical skills in music. The course emphasizes ensemble playing experience while developing increasingly challenging bowing, rhythm and position work. Study is continued in basic music theory, musical styles, string orchestra literature, and challenging technical facility. The core musical study is grade 4 and grade 5 orchestra literature. Opportunities for solo work and small ensemble experience are available. This ensemble is the top orchestra ensemble and performs at the state concert festival and for any other community or school event as required by the director.

• Strings Orchestra Honors **355300HW**
Director approval required
Honors Orchestra is scheduled for second semester to extend the Strings Chamber Orchestra experience. Members may receive honors credit in the 11th and 12th grade for completing all requirements of the honors string orchestra curriculum. This course will provide opportunities for advancement and refinement of musical potential, higher level reasoning skills and aesthetic judgment. Emphasis will be placed on refining ensemble performance skills, recognition of musical styles and historic periods, and the study of more advanced literature for string orchestra, chamber ensembles, and creative development.

• Guitar **355050CW**
Helps students develop skills in playing guitar. Students will learn technique, music theory and history, and care of the guitar. Students will apply their learning through performance

DANCE

• Dance 1 **450100CW**
Dance elements, creative movement and social dances will be taught in this class, along with basic techniques and histories of ballet, modern, jazz, and basic choreography. No previous dance experience is required.
Please note: Due to staffing and facilities, this course is only offered at Northwestern High School.

AEROSPACE EDUCATION

The **mission** of the AFJROTC program is to "Develop citizens of character dedicated to serving their nation and community."

The **goals** of the AFJROTC program are to instill:
• The values of citizenship,
• Service to the United States,
• Personal responsibility, and
• A sense of accomplishment.

The **objectives** of AFJROTC are to educate and train students in citizenship and life skills, promote community service, instill a sense of responsibility, and develop character and self-discipline through education and instruction in air and space fundamentals and the Air Force's core values of "Integrity First, Service Before Self and Excellence In All We Do."

This program will enable the students to:

- ☐ Develop a high degree of strong morals, self-esteem, self- reliance, personal appearance, and leadership.
- ☐ Adhere to the values of integrity, service, and excellence.
- ☐ Increase their understanding of patriotism and responsibilities as US citizens.
- ☐ Participate in community service activities.
- ☐ Expand their skills of critical thinking and problem solving, communication and collaboration, and creativity and innovation.
- ☐ Demonstrate military customs, courtesies, and traditions and develop habits of order, discipline and social skills.
- ☐ Acquire a broad-based knowledge of aerospace studies and leadership education.
- ☐ Strive to graduate from high school and prepare for college and careers in the 21st century.
- ☐ Cultivate a commitment to physical fitness and a healthy lifestyle.

To be eligible to participate in AFJROTC, each cadet must be

1) Enrolled and attending a regular course of instruction.
2) Selected by the Senior Aerospace Science Instructor (SASI) in coordination with the principal to ensure students meet acceptable standards.
3) Above the 8th grade.
4) A citizen of or a national of the United States or an alien permitted for permanent residence, or a Foreign Cadet with an approval letter from a representative of their government. Continued enrollment is dependent on the student meeting high standards of deportment and achievement.

Each AFJROTC class consists of three components—aerospace science, leadership education, and a wellness program. Citizenship and character education, the heart of the curriculum program, is primarily embedded in the leadership education series of courses, while sense of service and education in science and technology related aerospace science is primarily found in the aerospace science series of courses.

Each class may be taught as a stand-alone course or blended course. The courses are:
AS-100: Aerospace Science: A Journey Into Aviation History covers the evolution of flight.

AS-200: The Science of Flight covers the aerospace environment, human requirements of flight, and principles of aircraft flight.

AS-220: Cultural Studies: An Introduction to Global Awareness is a customized course about the world’s cultures.

AS-300: Exploring Space: includes the latest information available in space science and space exploration.

AS-400: Management of the Cadet Corps: The cadets manage the entire corps during their fourth year in the Air Force Junior ROTC program. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial and organizational skills

AS-410: Survival: The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival.

AS-100, or AS-200, and either AS-220, AS-300, or AS-410 are taught on a rotating schedule, one per academic school year. Cadets will be enrolled in the AS class being taught each specific school year. A cadet's first enrollment fulfills the state requirement for a Physical Education credit. AS-100, AS-200, and either AS-220/AS-300/AS-410 or their equivalents must be completed prior to enrolling in AS-400. The AS-400 level course is taught every year.

Aerospace Science (AS)	**Transcript Code**
AS-100 A Journey Into Aviation History Taught AY 2016-17	375100CW
AS-200 The Science of Flight Taught AY 2014-15	375200CW
AS-220 Cultural Studies: An Intro To Global Awareness **or**	375220CW
AS-300 Exploring Space **or**	375300CW
AS-410 Survival Taught AY 2015-16	375410CW
AS-400 Management of the Cadet Corps Taught every year	375400CW/375490HW

A cadet must have completed six previous semesters of AFJROTC to be eligible for 375490HW/375491HW.

Optional courses: 375101CW, 375201CW, 375301CW, and 375401CW/375491HW are continuations of the previously listed courses.

FAMILY AND CONSUMER SCIENCES

• Family and Consumer Sciences 1 **580800CW**

Students must furnish their own supplies.

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 personal development, healthy lifestyles, child development, family life, and consumer awareness into a rigorous and relevant curriculum.

• Family Life Education **582120CW**

PREREQUISITE: Family and Consumer Science 1

The core of the Family and Consumer Sciences program. Family Life 1 is a ½-unit course that emphasizes the family as the basic unit of society while exploring the complexities of marriage and family in a changing society. Family Life 2 is a ½-unit course that stresses the role each individual must assume to improve family life. Effective personal development and maximum use of human material resources are emphasized Family Life Education 1 & 2 **must** be taken together.

• Parenting Education **581700CW**

PREREQUISITE: Family and Consumer Sciences

½-unit course that is designed to provide students with information and experiences that will give him/her a sound positive insight into parenting roles and responsibilities. Learning experiences will focus on the essential skills to function effectively as parents. Education for Parenthood 2 is a ½-unit course that stresses the long-term nature of the parenting community by examining the role, responsibility, and changes that occur as the family life cycle progresses. Learning experiences address the unique needs of parents and children, management strategies for employment, insights into single parenting, and resources in the community. Education for Parenthood 1 & 2 must be taken together.

• Fashion, Fabrics, & Construction 1 **580400CW**

Students must furnish their own materials for projects. Offered at NHS and SPHS.

PREREQUISITE: Introduction to Family and Consumer Sciences

Assists students in acquiring basic skills in clothing construction. Students acquire skills in the operation and maintenance of the home sewing machine, basic hand sewing techniques, pattern interpretation and layout, and garment construction through a combination of teacher demonstrations and student practice and application.

• Foods & Nutrition 1 **582400CW**

PREREQUISITE: Family and Consumer Science 1

Introduces students to the principles of basic food preparation. This course incorporates the principles of nutrition and the relationship of nutrition to individual health and well-being. Teacher demonstrations and guided laboratory experiences enable students to gain skills in kitchen management, safety and sanitation, food preparation, and meal service. It is recommended that students take this course if they are interested in taking Culinary Arts at ATC.

• Housing and Interiors **583000CW**

PREREQUISITE: Introduction to Family and Consumer Sciences

Helps students understand housing needs and acquire knowledge and skills which will enable them to make housing decisions in the future. Students study housing styles, home furnishings and equipment, and the principles of interior design. This course also allows students the opportunity to acquire knowledge and develop skills necessary to complete a variety of housing projects. Students complete a variety of home care projects.

• Sports Nutrition **575900CW**

The study of the relationship between physical activity, proper nutrition, sports performance, and overall wellness. Students will learn not only how to prepare nutritious foods, but also what foods are needed for health promotion and disease prevention through increased knowledge of nutrition and physical activity.

ADDITIONAL ELECTIVES

• College Entrance Test Preparation **379930CW**

PREREQUISITES: Algebra 1 and Geometry.

Prepares students to take a variety of college entrance tests, i.e., PSAT, SAT, ACT, ASSET. Students will develop test-taking skills and use computer programs to provide individual practice. Counselors and speakers will be used to provide information on college requirements. **Recommended for college-bound juniors and seniors.**

• Introduction to Construction **600109CW**

Includes an overview of safety, construction math concepts, basic rigging, communication skills, employability skills, and an introduction to hand tools, power tools, and blue prints. Students will get an overview of carpentry, masonry, electricity, welding, and heating and air conditioning. Students will develop a concept of teamwork, problem solving, and utilization and conservation of resources. Subject matter will include career choices and application of concepts related to becoming a professional in the construction field.

• South Pointe 101 (SPHS Only) **339910CW**

South Pointe 101 is a one-credit course designed to provide ninth grade students with the tools needed to evolve into independent learners and good citizens of their high school, as well as their community. This course will facilitate the transition from the middle school environment to the high school. Students explore topics such as teamwork, personal health, goal setting, time management, organizing for learning, decision-making, financial planning, and career planning. Additionally, students earn their health credit, which is a South Carolina graduation requirement.

- **College 105**

This course is designed for students who plan to attend a two-year technical college after graduation. It introduces students to financial aid, study skills, Compass Test preparation, and writing preparation for college. This course is taught at York Technical College during first block. Students will need to provide their own transportation. This course is a pure elective, and does not count for dual credit.

Criteria for Qualification for the Occupational Diploma:

1. Student must meet guidelines for eligibility as a student with a disability under IDEA
2. Student must be in grades 9-12
3. IEP team must determine that the student will not be able to meet the necessary requirements to obtain a South Carolina State High School Diploma, even with supplemental aids and services.

The student is in need of employment skills training and supported transition services in order to secure and obtain competitive employment.

Important Reminders for Participating Students & Parents:

1. This is **not** a STATE diploma. The student will receive this diploma in addition to a South Carolina Certificate of Attendance.
2. Although this diploma is recognized locally, students and/or families who relocate *may* find that the Rock Hill School District Occupational Diploma is an unrecognized credential.
3. Many states in our nation have state-recognized diplomas and curricular requirements similar to those outlined in our Occupational Diploma program. If a student relocates while still enrolled, the documentation collected in his/her portfolio may be offered to a new school district in order to request transfer credit.
4. The Occupational Diploma should *only* be considered for students who will be unable to meet the requirements for a South Carolina High School Diploma.
5. Hour requirements for job training and competitive employment are *not optional*. A student will not qualify for the Occupational Diploma if the required hours are incomplete, even if all academic course work is passed.
6. Students are responsible for developing and maintaining their own portfolios, including documenting work experience and hours. Teachers are responsible for initiating the portfolio and introducing new documents as students progress through the program.
7. Portfolios will be given to the student upon graduation to provide evidence of the student's knowledge, skills, abilities, and employment competencies

OCCUPATIONAL DIPLOMA COURSE DESCRIPTIONS

ENGLISH/LANGUAGE ARTS

9th Grade: ***Employment English 1*** **39991209**

Course content will include reading comprehension, effective listening strategies, vocabulary development, mechanics and syntax of Standard English, and verbal, non-verbal, and written communication. Special emphasis will be placed on developing personally appropriate strategies to navigate and communicate effectively in social, school, and employment settings. The course will focus on quality, effective communication in every-day environments.

10th Grade: ***Employment English 2*** **39992209**

Course content will include reading comprehension, effective listening strategies, vocabulary development, mechanics and syntax of Standard English, and verbal, non-verbal, and written communication. Special emphasis will be placed on organization of thoughts, technological fluency with communication modalities, anxiety and clarity control in verbal contexts, professional etiquette, and appropriate job interview skills. The course will focus on effective communication in new, unfamiliar environments.

11th Grade: ***Employment English 3*** **39993209**

Course content will include reading comprehension, effective listening strategies, vocabulary development, mechanics and syntax of Standard English, and verbal, non-verbal, and written communication. Special emphasis will be placed on vocabulary development for professional and community settings, writing effectively to convey meaning in professional and community settings, appropriate job interview skills, analysis of verbal, non-verbal, and written communication of self, and development of self-advocacy skills. The course will focus on effective adult communication in community and professional settings.

12th Grade: ***Applied Employment English 4*** **39994209**

Course content will include reading comprehension, effective listening strategies, vocabulary development, and verbal, non-verbal, and written communication. Special emphasis will be placed on verbal, non-verbal, and written communication for employment purposes, analysis of verbal, non-verbal, and written communication of self and others, and appropriate job interview skills. The course will focus on effective communication for employment, self-advocacy, and independent living purposes.

MATHEMATICS

9th Grade: ***Job Skills Math 1*** **39991409**

Course content will include numbers and operations, geometry, measurement, algebra, problem-solving, and data analysis. Special emphasis will be placed on terminology, numeration and operation fluency, conversions, formulas, and formulaic calculations. This course will focus on application of mathematics in every-day environments.

10th Grade: ***Job Skills Math 2*** **39992409**

Course content will include numbers and operations, geometry, measurement, algebra, problem-solving, and data analysis. Special emphasis will be placed on terminology, numeration and operation fluency, conversions, formulas, and formulaic calculations. This course will focus on problem-solving and mathematics for personal and finance management.

11th Grade: ***Job Skills Math 3*** **39993409**
Course content will include numbers and operations, geometry, measurement, algebra, problem-solving, and data analysis. Special emphasis will be placed on terminology, conversions, formulas, and formulaic calculations. This course will focus on problem-solving and mathematics for employment, independent living, budgeting, and personal finance management.

12th Grade: ***Math 4*** **39994409**
Course content will include numbers and operations, geometry, measurement, algebra, problem-solving, and data analysis. Special emphasis will be placed on terminology, conversions, formulas, formulaic calculations, and application of mathematics in every-day environments. This course will focus on problem-solving and mathematics for employment, independent living, banking, and finance/tax/household management.

SCIENCE

9th Grade: ***Life Skills Science 1*** **39991509**
Course content will include basic biology, nutrition, physical fitness, health, basic personal safety, emergency procedures and management, roles of family and society in healthy living. Special emphasis will be placed on organ systems and their functions, benefits of healthy living, risks of poor health choices, and familial and societal stress management. This course will focus on awareness and understanding of health concerns and topics within American society.

10th Grade: ***Life Skills Science 2*** **39992509**
Course content will include basic biology, nutrition, physical fitness, health, basic personal safety, emergency procedures and management, roles of family and society in healthy living. Special emphasis will be placed on identification of practices that lower health risks, awareness of personal health concerns, family issues, personal safety, basic first aid, and understanding of environmental factors that affect daily life. This course will focus on awareness and understanding of personal health concerns and environmental awareness.

11th Grade: ***Life Skills Science 3*** **39993509**
Course content will include basic biology, nutrition, physical fitness, health, basic personal safety, emergency procedures and management. Special emphasis will be placed on identification of personal/legal consequences of poor health choices, awareness of appropriate prescription and OTC drugs use, selection of/communication with appropriate health care providers, identification of services provided by local agencies/government, identifying environmental risk factors, and managing personal risk. This course will focus on understanding of available resources and self-advocacy.

12th Grade: ***Applied Life Skills Science 4*** **39994509**
Course content will include basic biology, nutrition, health, basic personal safety, emergency management, and family/parenting issues. Special emphasis will be placed on accessing community services, home safety, making responsible decisions regarding relationships, family life, and parenthood, and personal impact on conservation of natural resources, pollution, and other environmental issues. This course will focus on self-awareness, personal responsibility to world, community, and family, and self-management.

SOCIAL STUDIES

9th Grade: ***Career Preparation 1*** **39991309**
Course content will include basic geography, community awareness, local government, history, economics, current events, and career exploration. Special emphasis will be placed on community issues, exploring diversity, responsible citizenship, self-advocacy, and career exploration. This course will focus

on awareness of personal role in community, awareness of appropriate workplace habits and behaviors, and career exploration through shadowing and assessment opportunities.

10th Grade: ***Career Preparation 2*** **39992309**
Course content will include basic geography, community awareness, current events, state government/history/economics, and career preparation. Special emphasis will be placed on community/state issues, consumer roles in economics, self-advocacy, developing decision-making skills, demonstration of appropriate work place habits and behaviors, and career exploration. This course will focus on community and state issues, responsibility to community, and career preparation through shadowing and assessment opportunities.

11th Grade: ***Career Preparation 3*** **39993309**
Course content will include basic geography, community mobility, United States government/ history/economics, current events, self-advocacy, and work experience. Special emphasis will be placed on national issues, roles of global consumers, exploring diversity, responsible citizenship, self-advocacy, and career exploration. This course will focus on active citizenship, community participation, and acquisition of work experience through short-term community internships.

12th Grade: ***Applied Career Preparation 4*** **39994309**
Course content will include community mobility, United States government/economics, current events, self-advocacy, and work experience. This course will focus on national issues, the role of a community/global consumer, responsible citizenship, self-advocacy, making appropriate decisions, and maintenance of appropriate workplace habits and behaviors. This course will focus on active citizenship, self-advocacy, and acquisition of work experience through competitive employment.

KEYBOARDING (9 WEEKS COURSE – ½ CREDIT) 510000CW
Introduces students to the basic concepts of information processing in business computer literacy and keyboarding. Major content areas include an introduction to word processing database, and spreadsheet applications. The keyboarding component includes an opportunity for students to master the skill of entering alphabetic, numeric, and symbolic information on a keyboard using the touch method of key stroking. Emphasis is placed on development of accuracy and speed, proper techniques, and correct fingering. The student will develop skill in formatting letters, memoranda, reports, tables, and other business documents.

PERSONAL HEALTH AND WELLNESS (9 WEEKS COURSE – ½ CREDIT) 340201CW
Emphasizes personal responsibility. This course offers students current information and skills development opportunities in planning and practicing a healthy lifestyle. Focusing on student understanding of the importance of physical, emotional, and social health to the quality of life during all stages of human development, this course provides a basis for lifelong learning in primary health topic areas.

ATC COURSE DESCRIPTIONS

The Applied Technology Center

The Applied Technology Center offers a variety of career and technical high school courses, designed specifically to prepare students for success in college, technical/specialty school, or the workforce. ATC courses provide students the opportunity to use academic skills in a project-based, hands-on learning environment.

- Students who successfully complete a program may earn a certificate of completion.
- Courses may be one (1) credit or (2) credit classes.
- Students may qualify to participate in a work-based Cooperative Learning education experience.
- The Computer Literacy graduation requirements may be satisfied by taking designated ATC courses.
- Students who complete four credits in certain programs of study may sit for an end of program assessment that is aligned with a related industry certification.

HEALTH & HUMAN SERVICES

• Cosmetology 1, 2, 3, and 4 **615000CD, 615100CD, 615200CD, 615300CD**

Supply kit and licensing examination fee will be required. ***Students must be in a junior homeroom to enroll in Cosmetology 1and Cosmetology 2.***

This course includes instruction in hair styling, permanent waving, hair coloring, facials, manicures, chemical services, computer imaging, and acrylic nails for competition. Students gain experience through laboratory activities, hear presentations from professionals in the Cosmetology industry, and work in a salon setting, simulating a real work place experience. As students gain experience and skills they have the opportunity to work on clients. Students need four blocks in their schedule during their junior and senior year for a total of eight. Students that complete the required number of hours and pass their practical and theory examinations with the required score will be licensed by the State Board of Cosmetic Art upon leaving the program.

• Culinary Arts 1 and 2 **572000CW, 572100CD**

Supply fee will be required.

This course involves both theory and actual hands-on experience. It is designed to prepare students for gainful employment in the food production and service industry. Content provides students the opportunity to acquire marketable skills by examining career options in the culinary industry. Sanitation, safety, equipment, service skills, pricing and nutrition are some of the essentials covered, in addition to specific instruction on each type of cookery method. All types of food products are studied in depth. Laboratory experiences will simulate commercial food production and service operations, requiring all students to participate in food preparation and clean-up activities. Students having food allergies should give careful consideration to this course selection, as students are exposed to a wide variety of food items.

• Teaching Fundamentals 1 **570300CW**

Teaching Fundamentals 1 is designed to prepare students for careers in the education field. This course will examine careers in early childhood, elementary, secondary, and postsecondary education. It teaches the foundations of education, human growth and development, how the brain learns, teaching strategies, classroom management, and instructional planning and assessment. Technology, professionalism, and academic skills are integrated throughout the course work. There is also an extended learning experience where the student will go into schools as a professional and gain experience in a variety of school settings

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• Teaching Fundamentals 2 **570400CD**

PREREQUISITE: Teaching Fundamentals 1

Teaching Fundamentals 2 is an advanced level course designed to build the skills and knowledge gained in Teaching Fundamentals 1. Students plan engaging lessons, enhance communication and presentation skills, build school-societal relationships, and exhibit professionalism. The student will examine the developmental needs of students and design instruction that is developmentally appropriate. The student will also complete an internship in the field of education to grow through experience. In doing an internship, the student will apply their knowledge gained in the classroom and enhance their professionalism.

• Health Science 1 **555000CW**

Health Science 1 is the first of four courses offered to students interested in pursuing a career in the healthcare field. During this course students are introduced to healthcare history, careers, law and ethics, cultural diversity, health care language and math, infection control, professionalism, communication, basics of the organization of healthcare facilities, and types of healthcare insurance. Students will learn first-aid procedures and learn fire safety. The skills and knowledge that students learn in Health Science 1 serve to prepare them for future clinical experiences such as job shadowing or internships as they advance in the Health Science courses. ***This course is a pre-requisite for Health Science 2. This course is required for students to be a CATE completer.***

• Health Science 2 **555100CW**

PREREQUISITE: Health Science 1

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging the students to learn more about the healthcare field. . This course will introduce students to basic patient care skills. Medical terminology, medical math and pharmacology are incorporated throughout the lessons being taught. Students will be certified in First Aid and CPR in this course. Job shadowing opportunities may be available in this course. ***This course is required for students to be a CATE completer.***

• Health Science 3 – Human Structure and Function **555200HW**

PREREQUISITE: Health Science 1 or Sports Medicine.

Health Science 3 acquaints students with basic anatomy and physiology of the body. Students learn how the human body is structured and the function of 12 body systems. Students will study the relationship that body systems have with disease from the healthcare point of view. This class is recommended for Juniors or Seniors.

• Health Science Clinical Study **556000HD**

PREREQUISITE: Health Science 2 and Health Science 3 or Medical Terminology or Biology AP or Anatomy and Physiology.

This course develops students' technical skills to provide health care in a variety of settings. Student may earn Feeding Assistant Certification and prepare to take the South Carolina Nurse Aide certification exam. Skills include vital signs, activities of daily living, transfers, personal hygiene, nutrition, and safety. Infection Control and HIPAA principles will also be an integral part of the course. A clinical internship with a minimum of 40 hours in a long term care facility is included in this 2 block course. Students will be required to meet academic, behavior and attendance standards and submit a parent/guardian permission form to participate in the internship. Clinical times will vary according to the facility need. CPR and First Aid certification will be offered. Fees will be associated with this course for uniforms, tuberculin skin tests, and SLED report. Students must also furnish their own transportation to and from the clinical and internship sites. This class is recommended for Seniors.

• Emergency Medical Services **553100HW**

PREREQUISITE: Health Science 2 and Health Science 3 or Medical Terminology or Biology AP or Anatomy and Physiology.

This course includes development of technical skills used during emergencies. Students will apply the concepts of safety and infection control, medical terminology, disaster preparedness and prevention of injury. Students will focus on vital signs, CPR, First Aid, and Automated External Defibrillation, and First responder skills.

• Medical Terminology **554000HW**

This course meets the computer literacy graduation requirement.

PREREQUISITE: **Students must be a junior or senior and must have completed Intro to Health Science, Health Science 2, Sports Medicine or Emergency Medical Services with a C or better to enroll in this course.** This course is highly recommended for students who are considering a career in the healthcare industry. Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.

• Veterinary Assisting **559900HW**

Supply fee will be required.

PREREQUISITE: Health Science 1 and Health Science 2; Medical Terminology is to be taken concurrently or prior to taking Veterinary Assisting.

This course will help the student to develop the skills required to work in a veterinary office. Skills include feeding and bathing animals, administering medication and assisting the veterinary team with animal nursing techniques. Students learn how to perform basic office procedures for small and large animal care. Students practice in a variety of settings as chosen by the instructor.

INFORMATION & COMMUNICATION TECHNOLOGY

Digital Art & Design

• Digital Art and Design 1: Design Foundations **612000CW**

This course meets the computer literacy graduation requirement.

This course introduces students to the Mac computer as a tool to create page layout, vector art, and digital design. Industry standard software is taught and will focus on vector art using Bezier curves, color theory, typography, elements and principles of design. Students will learn the functions of the Mac computer and how to troubleshoot technology. Current software featured is: Adobe Illustrator CS6. Concepts learned are a great foundation for anyone pursuing a career in the print industry, for production artists, illustrators, animators, web developers, mobile app creation, and graphic designers.

• Digital Art and Design 2: Photography and Digital Art **612100CW**

This course meets the computer literacy graduation requirement.

This course introduces the skills needed by students for careers in the commercial art fields. Whether working freelance or for a large company, the modern commercial artist is expected to have skills that cover many fields. Photography and Digital Art are the focus of this class, with students learning how to capture images using different photographic methods, including digital SLR cameras, scanners, and film. Students will learn how to process their images and incorporate them into projects that communicate an effective message. The core concepts of this class give students an introduction to a career in photography, advertising, digital art, retouching and restoration.

• Digital Art and Design 3: Introduction to Animation **612200CW**

This course meets the computer literacy graduation requirement.

This course introduces the skills needed by students for careers in the commercial art and animation fields. The concepts and skills covered include storyboarding, character design, set design, audio recording and visual editing. The curriculum includes basic 2D animations, 3D, motion graphics and special effects. The tools used in this class include cameras, lights, green screens, Adobe Photoshop, Adobe Premiere, Adobe Audition and Adobe After Effects. ***The recommended prerequisite is Digital Art and Design 2, but is not required.***

• Digital Art and Design 4: Visual Effects **612300CW**

This course meets the computer literacy graduation requirement.

PREREQUISITE: Digital Art and Design 1 and Digital Art and Design 2

This course combines skills learned in the Digital Art 1, 2, and 3 courses, producing and developing art and designs from inception to completion through DVD, web, screen printing, and press. This class emphasizes "real world" skills through experiences in meeting with actual clients. The student will complete a portfolio and products showing all of the skills they have learned. Student portfolios can be used to apply for post-secondary education or jobs. ***Digital Art and Design 3 is a recommended prerequisite, but is not required.***.

• Image Editing Design 1 and 2 **534000CW, 534100CD**

This course meets the computer literacy graduation requirement.

This course emphasizes the use of design, page layout, and image editing software, screen printing and flexography. The course includes instruction in lab safety, design, pre-press methods, proofing, pre-flighting, press make-ready, print techniques and press operations. Students will also be exposed to color management, and interactive media. Using modern industry practices.

Media Technology

• Media Technology: Video Production **612402CW**

This behind-the-scenes course facilitates the technical applications of professional video production methods including scriptwriting, shooting, lighting, audio recording and post-production editing, using high-end editing software programs, such as Apple's Final Cut Pro and IMovies. Many projects will include writing assignments. This course is geared for technically savvy students interested in exploring the many exciting careers in television and film production.

• Media Technology: Studio Production **612401CW**

This behind-the-scenes course facilitates the technical applications of *live* Studio Production, including studio camera operation, floor directing, lighting techniques, CG operation, audio mixing, set design and post-production editing. This course is geared for motivated, disciplined students that can interact with district office staff and local dignitaries. Students who are skilled in using technology and interested in *live* television will find this an exciting class.

• Media Technology: Advanced Video Production **612501HW**

PREREQUISITE: Media Technology: Video Production

This class is geared towards the mature, self-motivated student who wants to take their video production skills to the next level. This class uses refresher exercises on Final Cut Pro editing software, camera operations, graphics creation, audio editing and green screen applications. Students will be involved in several projects throughout the semester, ranging from PSA's, storyboard creation, music videos and short films. Video Production is a prerequisite for the advanced class, and students must be comfortable working in a highly technical environment. .

Information System Technologies

• Computer Service Technology/Structured Cabling **532000CW**

This course meets the computer literacy graduation requirement.

Provides students with an introduction to the basics of computer operation, repair and troubleshooting. Students build a computer from its various components, and install the operating system and other software. Students design and implement a structured voice, video and data cabling project for residential or commercial applications and begin the Home Technology Integration certification process.

• Mobile App Development **502300CW**

This course meets the computer literacy graduation requirement.

This course will explore the development, education and global trends related to App creation. Students will demonstrate the ability to use technology, use critical thinking, problem solve, collaborate and work collectively to use creativity to create innovative Apps. The students will use programs, such as, Photoshop, Illustrator, XCode and other software in the process of creating mobile apps. Programming is recommended prior to App Development.

CONSTRUCTION & ENGINEERING TECHNOLOGY

• Introduction to Construction **600109CW**

This course includes an overview of safety, construction math concepts, communication skills, employability skills, and an introduction to hand tools, power tools, and blue prints. Students will get an overview of carpentry, masonry, electricity, plumbing and heating and air conditioning. Students will develop a concept of teamwork, problem solving, and utilization and conservation of resources. Subject matter will include career choices and application of concepts related to becoming a professional in the construction field.

• Construction Engineering 2 and 3 **609100CW, 609200HD**

PREREQUISITE: Introduction to Construction

Construction Engineering prepares students to successfully work in the carpentry field by having the students build items such as furniture, storage units and other items. Students will also complete tasks that will enhance their skills in the construction trades; read blueprints, use hand and power tools, and select building materials. Techniques to construct floor, wall, ceiling, lay out building lines (per miters), roof structures, drywall installation, interior trim and exterior finishing are also covered. OSHA safety certification may be earned. *Students should be able to climb and work at heights.*

• Drafting 1 – Introduction to Drafting and Pre-engineering **617000CW**

This course meets the computer literacy graduation requirement.

The Drafting and Pre-Engineering courses provide the student who is interested in engineering or architecture with the basic fundamentals of technical drawing used in all types of fields. The student will gain a better understanding of the different fields by exploring the various disciplines of engineering. Drafting I provides the student with an overview of engineering concepts such as field sketches, manual drafting, AutoCAD 2D Design software, Inventor Mechanical 3D Design software and Revit Architectural 3D software.

• Drafting 2 – Engineering Graphics **617100CW**

This course meets the computer literacy graduation requirement. ***PREREQUISITE: Drafting 1***

Drafting 2 will focus on the basics of technical drawing and engineering graphics. The student will be provided with the understanding of the standard engineering views used throughout the engineering profession. This course utilizes AutoCAD 2D design software to help the student understand single view drawings, descriptive geometry, orthographic projection, section views, auxiliary views and pictorial drawings.

• Drafting 3 – Mechanical Drafting **617200HW**

This course meets the computer literacy graduation requirement.

PREREQUISITE: Drafting 1 & 2; Drafting 3 & 4 may be taken in any order.

Drafting 3 will focus on the fundamentals of mechanical drafting. The student will develop threads and fastener drawings, working and assembly drawings of machine parts and gears. The students will utilize AutoCAD 2D design software as well as Inventor Mechanical 3D software to gain a better understanding of the mechanical engineering field.

• Drafting 4 – Civil and Architectural Drafting **617300HW**

This course meets the computer literacy graduation requirement.

PREREQUISITE: Drafting 1 & 2; Drafting 3 & 4 may be taken in any order.

Drafting 4 will focus on the fundamentals of civil engineering and architectural drafting. Students will utilize public records and satellite imagery to create GIS maps. Students will utilize AutoCAD 2D design software and Revit Architectural software to design and create house plan sets that shall include floor plans, elevations, furniture plans, wall sections, foundation plan and details. The student will also generate 3D renderings of the house design, interiors, and landscape designs.

• Electricity 2 and 3 **628700CW, 628800HD**

PREREQUISITE: Introduction to Construction

Prepares students for residential and industrial electricity tasks. Students receive instruction in wiring, installation, currents, and installation of appliances. Residential training includes shop planning, management, and safety. Industrial training includes safety, wiring installation, electrical circuits, and single and multiphase alternating circuits. OSHA safety credential may be earned.

• Masonry 1 **625000CW**

PREREQUISITE: Introduction to Construction

Includes a study of codes, specifications, blue print reading and cost estimating. Students are taught to lay brick, block, and other materials to build foundations, piers, walls, and chimneys for buildings. Advanced training includes laying decorative patterns and building fireplaces. OSHA safety certification may be earned.

• Welding Technology 1 and 2 **634000CD, 634100HD**

Supply fee will be required.

Ready to let the sparks fly? Complete a 10-hour, OSHA-approved safety orientation. Practice welding procedures in welding training booths. Use industry-standard tools to cut and separate metal. Practice welding carbon steel plate, aluminum, and stainless steel. Make precision cuts with torches and plasma cutters. Learn how metal is formed from a liquid to a solid. Get serious, hands-on training in a variety of welding procedures including; Shielded Metal Arc Welding(SMAW), Gas Tungsten Arc Welding(GTAW TIG), Gas Metal Arc Welding (GMAW MIG), Flux Core Arc Welding (FCAW) Torch Cutting, Plasma Cutting, and Computer-controlled Plasma Cutting. Welders, pipe welders, pipe fitters, and ship builders are employed in many types of work, such as power plants, commercial and industrial machinery manufacturing, agriculture, architectural and structural metal manufacturing, and in the mining industry. The projected job growth for welding is high and is expected to continue for the next ten years, with 140,700 job additions per year nationally. (Source:SCOIS 2013)

MARKETING & FINANCE

• Business and Personal Finance **527300CW**

This course is designed to introduce students to the basic elements of finance. Student will gain knowledge in budgeting, obtaining credit and credit scores, computing of interest rates, maintaining personal and business accounts, computing payroll, and financial software. Course uses textbooks, online testing, electronic ancillaries and hands on projects.

• Advertising **547000CW**

This course introduces 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.

• Merchandising **543000CW**

This course is designed to explore concepts and practices of the retail business to include an overview of merchandising and career development. Product terminology, selling, advertising, visual merchandising, buying, and management will be analyzed. This instructional program emphasizes the competencies necessary for the individual to achieve success within the area of buying and purchasing, sales and administration, non-store selling and small business ownership.

• Marketing **542100CW**

This course introduces marketing concepts, economic marketing, and business fundamentals. Students are provided an overview of the marketing functions of selling, promotion, pricing, financing, and distribution. Communication fundamentals are included. The marketing course is designed to prepare students for entry-level employment in areas related to planning, and performing wholesale and retail services. Potential employment sites include businesses of all types, such as financial institutions, real estate, retail establishments, public relations, and sports and entertainment venues.

• Marketing Management 2 **543100HW**

PREREQUISITE: Marketing or Merchandising.

This course further prepares students for careers in financial institutions, real estate, retail establishments and sports and entertainment venues. It expands the student's knowledge to make more detailed and specific decisions concerning location, promotion, pricing, financing and distribution. Each student selects a type of business and develops a business plan to include financing, organization, management and marketing. Students develop fundamental business competencies including human resources, communications, selling, promotion, and financing.

TRANSPORTATION ENGINEERING TECHNOLOGY

• Introduction to Transportation **601509CW**

This course is designed introduce students to the many exciting employment opportunities and skills needed to be successful in the transportation industry. Students will be introduced to careers related to the industry, safety, tool identification and usage along with automotive parts identification and service.

• Automotive Service Technology 2 & 3 **603000CD, 603100CD**

PREREQUISITE: Automotive Technology 2 pre-requisite for Automotive Technology 3.

The Automotive Technology Program is designed to prepare the student for entry-level employment in the automotive industry or for greater success in a post-secondary automotive school. Level 2 and 3 students will apply their learning in eight areas of the automobile: **brakes, steering and suspension, electrical, HVAC, engine performance, engine repair, manual transmissions and drive trains, and automatic transmissions and drive trains.** Course content includes **writing, math, and science** curriculum. Students will have classroom and lab activities including, lecture, research, and writing assignments, and hands-on experience involving tools, equipment and a variety of vehicles. Level 2 and Level 3 students must complete an on-line safety and pollution prevention program (SP2) before entering the lab. Satisfactory completion of the on-line program will result in the student earning a national recognized SP2 certificates for Automotive Safety and Automotive Pollution Prevention. Level 3 students may earn an SP2 certificate for completing the Supervisor's Course. In addition, Level 3 students may have the opportunity to be placed in a work-based learning program, furthering their training in a workplace setting.

• Collision Repair and Refinish 2 and 3 **602000CW, 602100CD**

PREREQUISITE: Introduction to Transportation for Collision Repair 2. Collision Repair 2 pre-requisite for Collision Repair 3.

This course of study prepares students for employment in collision repair industry, including jobs in automobile damage claims, body repair, and service, and insurance. Students will have classroom and lab activities including lecture, research, and writing assignments, and hands-on experience involving tools, equipment, and a variety of vehicles. Training includes body work, metal work, painting and plastic body repair, and refinishing with solvent and water-borne paints. Students work in a state of the art facility. Level 2 and 3 students must complete an on-line safety and pollution prevention program (SP2) before entering the lab. Completion of the on-line program will result in Level 2 students earning nationally-recognized SP2 certificates in Collision Safety and Collision Pollution Prevention. Level 3 students may earn the SP2 certification for completing the Supervisor's Course.

• Logistics and Distribution 1 – Introduction **619001CW**

This course is designed specifically for 9th and 10th grade students to provide them with essential knowledge, skills, and experiences related to career opportunities in warehouse, distribution, logistics, and transportation. Students will learn and work in authentic environments using industry standard equipment and procedures, as well as have opportunities to obtain information through field trips and guest speakers from the respective industries. Each of these industries has a significant presence in our area and is projected to continue their pattern of growth.

• Logistics and Distribution 2 – Warehouse Distribution **619002CW**

PREREQUISITE: Logistics and Distribution 1

This course is designed to actively engage students in the processes of receiving, shipping, order-picking, inventory control, and the operation of numerous types of material handling equipment. Students will acquire information and skills that relate directly to potential career objectives in the warehouse and distribution industry. Successful completers of this course will have the opportunity to sit for either or both of the following nationally recognized industry certifications: (CLA) Certified Logistics Associate and/or (CLT) Certified Logistics Technician.

• Logistics and Distribution 3 – Warehouse Inventory **619003CW**

PREREQUISITE: Logistics and Distribution 1

This course will introduce the concept of inventory and product control as it relates to warehousing and distribution of materials and goods. Students will begin to explore management and supervisory level aspects of the warehousing industry, including staffing, quality control, resource management, problem solving, and group dynamics.

• Logistics and Distribution 4 – Work-Based **619004CW**

PREREQUISITE: Logistics and Distribution 1, 2, and 3

The students in Materials Handling 4 will perform general equipment operations, execute the receipt of shipment of goods, and be expected to research and present a portfolio related to their experience in Warehousing and Logistics Technology. In addition, the student will study and relate to the impact of globalization on the supply chain process. Eligible students will have the opportunity for a Work-Based learning experience. This level is an **Internship** for students that have completed the three previous levels of the Warehousing and Logistics curriculum at the Applied Technology Center. An internship is a one-on-one relationship that provides "hands-on" learning in an area of student interest. A learning contract outlines the expectations of and responsibilities of both parties. The protégé works regularly during or after school for three or four hours a week in exchange for the mentor's time in teaching and demonstrating. The internship generally lasts from three to six months and may or may not include financial compensation.

• Small Engines Technology 2 and 3 **630000CW, 630100CD**

PREREQUISITE: Introduction to Transportation for Small Engines Technology 2. Small Engines Technology 2 pre-requisite for Small Engines Technology 3.

This course of study prepares students for training in small engine maintenance and repair. Students work on small combustion engines used on portable equipment such as lawn mowers, line trimmers, chain saws, motorcycles, rotary tillers, and pumps. The training includes locating and solving problems using specialized test equipment and over-hauling or replacing engine systems**.** Students also use computer programs to look up parts for engines as well as equipment. Students work in groups on projects to better facilitate learning in the lab.

AGRICULTURAL SCIENCE

• Greenhouse and Garden Center / Greenhouse and Nursery Management **567200CW**

This class is for students who are interested in learning how to grow and market plants for retail centers. The units will cover plant identification, environmental requirements, insect and disease control, greenhouse facilities and plant science. Students will be required to assist in propagating plants and growing crops from seed to sell to the public. Students will have the opportunity to work in the school's two modern greenhouses to supplement classroom instruction.

• Lawn and Turf Management **565400CW**

This class is designed to teach students how to establish and maintain turf grasses for residential and athletic fields. Students will be taught to use turf equipment such as tractors, different types of mowers, aerators, weed eaters, and blowers. Units on irrigation, pesticides, grass identification, weed identification, business management, and small engines are included to prepare students to work for a company or get started in their own business. This class has labs designed to maintain actual turf areas for the entire semester.

• Golf Course Technology & Design **566700CW**

This course prepares students to work on golf courses. Emphasis will be on establishing and maintaining greens, fairways, and borders. Students will be required to use turf equipment such as tractors, mowers, aerators, weed eaters, and blowers. Students will design and draw plans for courses. Students will gain an understanding of how the rules of golf apply in the course design process and in course maintenance. Units will include grass identification, pesticides, chemical applications, and irrigation, and employment skills. This class has labs designed to maintain actual turf areas for the entire semester.

• Landscape Design **567000CW**

This class is for students who are interested in designing quality landscapes for residential and commercial use. Students will learn to place plants in a functional landscape and develop an understanding of irrigation, lighting and hardscapes. Emphasis will be on the designing and drawing, with some outdoor planting activities required. Students will complete landscapes for customers in the community. The units of instruction will include plant identification, planting requirements, principles of design, drawing techniques and customer skills.


ROCK HILL
Schools
YORK COUNTY DISTRICT THREE