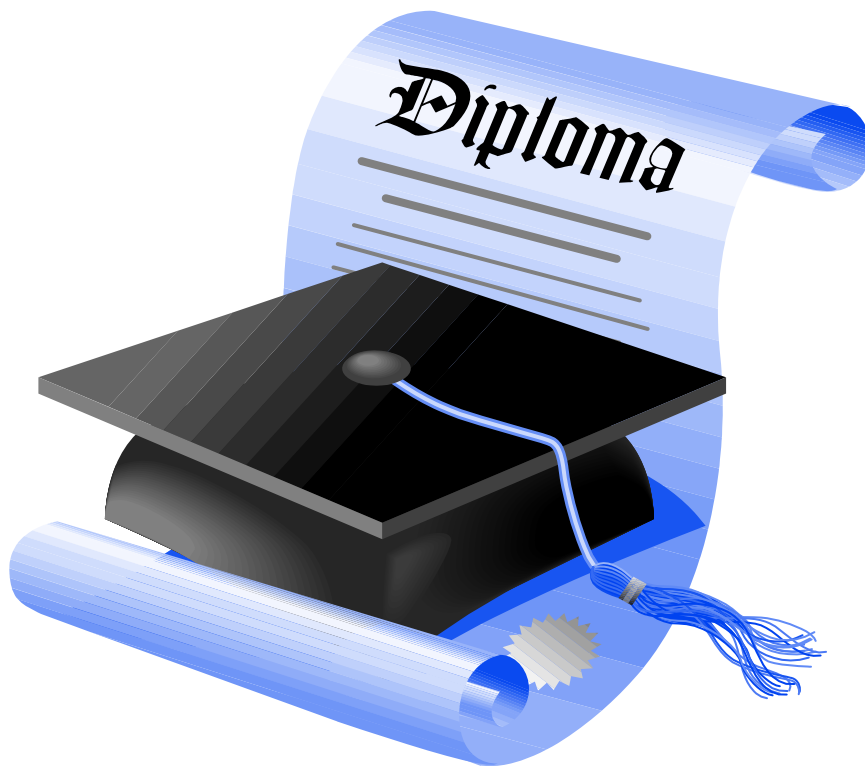




2012-2013

District Course Catalog



Applied Technology Center

Northwestern High School

Rock Hill High School

South Pointe High School

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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.”



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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 Schools 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.**

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 Grade 10, a student must pass a minimum of 4 units of credit to include:

- One English Credit
- One Math Credit
- Two Additional Credits

To be promoted to Grade 11, 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 Grade 12, 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

The **HIGH SCHOOL ASSESSMENT PROGRAM** consist of two subtests—English Language Arts and Mathematics. You must pass all subtests to pass the HSAP Exit Exam.

***What happens if you do not pass both subtests?** Any student who fails any subset of the HSAP Exit Examination will be enrolled in the appropriate remedial program(s). The student must also retake any subtest(s) not passed during the next regularly scheduled test administration.*

***How many opportunities do you have to pass?** Most students have five opportunities or attempts to pass the HSAP in high school: once during the 2nd year of high school, twice during your 3rd year of high school and twice during your 4th year of high school.*

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, pass all sections of the Exit Exam, 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)	<u>7 units</u>
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 Java
Computer Programming VB
Information Technology for a Global Society IB

Digital Art and Design 1, 2, 3, and 4
Drafting, Design, and Pre-Engineering 1 and 2
Graphics and Printing Technology 1 and 2
Computer Service Technology
Introduction to Networking
PLTW Courses—IED, POE, DE, CEA
Webpage Design and Development 1 and 2
Multimedia
Medical Terminology
Desktop Publishing

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.

Students who pass the required 24 units but fail to pass all parts of the Exit Exam are allowed to participate in commencement exercises but receive a certificate rather than a diploma.

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 multiplying the state uniform grading policy numerical grade point average by the number of course credits earned and dividing by the total number of credits attempted 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.

Grade Point Conversion Chart

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

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:

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

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.

GOLD SEAL DIPLOMA

Class of 2011 forward

To receive a Gold Seal Diploma you must:

- *Pass all portions of the HSAP.*
- *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. There are 47 majors — see Secondary Curriculum Framework.*

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*

Beyond High School

Educational & 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 admission 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. 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.

4. Determine requirements for admission and costs for each school on your list.
5. Arrange for college visits. When visiting, talk with admissions counselors and financial aid officers.
6. Fine-tune your list.
7. Ask for teacher/counselor recommendations.
8. Submit applications through the guidance office or online.
9. 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 **Geometry**. A **fourth higher-level mathematics course** should be selected from among **Algebra 3/Trigonometry**, **Pre-calculus**, **Calculus**, **Probability & Statistics**, **Discrete Mathematics (offered at the Phoenix Academy)**, or a **capstone mathematics course and should be taken during the senior year**.

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, physics, or anatomy & physiology**. The third unit may be from the same field as one of the first two units (**biology, chemistry, or physics**) or from **any laboratory science** for which **biology** and/or **chemistry** is a **prerequisite**. 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 elective**. 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, Algebra 1, 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 of 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. Students who want to enroll in Early College (dual credit) courses in high school must take and pass the COMPASS test or score high enough on the SAT or ACT to meet specific course requirements. The cost of the COMPASS test is \$10.00. Students may go to the Assessment Center at York Technical College to take the COMPASS in the semester or summer before taking Early College Courses and must submit scores to their high school or ATC counselor.

Educational Lottery Scholarships

The South Carolina legislature provides several opportunities for students to receive scholarships the South Carolina Education Lottery.

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 <i>*Students must meet 2 of these 3 criteria</i>
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 (11th grade course)
2. AP Literature
3. AP American History (11th 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

Advanced Curricular Opportunities

Early College Program

The *Early College 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 *Early College 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 *Early College* 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 Early College 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 Early College Unique?

1. Students in both college preparatory and technical preparatory classes may be eligible for Early College 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 York Technical College.
4. There are numerous Early College courses outside the mainstream course offerings.
5. Grades earned in Early College courses become part of the student’s college transcript.

◆ Who Should Take Early College 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 *Early College* courses
5. Students who meet required scores on COMPASS, SAT, or ACT for a particular course

◆ Fees and Material Costs:

Early College 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 Early College 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.

USC Costs:

\$198.00

Winthrop University Costs:

Varies by course (see chart below).

York Technical College Costs:

\$10.00 testing fee if COMPASS test is required for a course

\$20.00 registration fee

\$224.33 tuition for two hours credit

\$336.50 tuition for three hours credit

\$448.67 tuition for four hours credit

\$560.83 tuition for five hours credit

\$205.00 tuition for six hours credit completed in one semester

Students taking York Technical College courses are strongly encouraged to take six hours in one semester to reduce the cost from \$336.50 for three hours to \$205.00 for the six.

◆ **Early College Testing Requirements:**

York Technical College requires students to complete the COMPASS placement test and meet the same requirements for an individual course as any other college students. See the chart below for requirements for most college transferable dual enrollment courses. Contact your guidance counselor for further questions or consult the Technical College Catalog and Handbook at <http://www.yorktech.edu/catalogs.php>. Students must go to the assessment center at York Technical College to take the COMPASS exam in the summer or semester before entering *Early College* courses and submit the scores to their high school or ATC counselor. They must show a photo ID and pay \$10.00 to take the COMPASS test.

Students may use these scores for admission to York Technical College:

- 1) COMPASS—Reading 81; Writing 70; Math—varies by individual course
- 2) SAT Reading—480; Math 540 for transferable courses
- 3) ACT—English 21; Math 23

Early College Courses Offered on High School Campuses

The following Early College 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

Notes:

*Indicates a course is not 4-year college transfer course. Students can refer to the York Tech website, under University Transfer Guide, for information on transferring courses to South Carolina state-supported colleges and universities.

**Students who take six credit hours in one semester at York Technical College pay only \$205.00 for the two courses.

Course	Credit hrs.	College	**Cost
English 101	3	York Technical College	\$336.50
English 102	3	York Technical College	\$336.50
History 101	3	York Technical College	\$336.50
History 102	3	York Technical College	\$336.50
History 201	3	York Technical College	\$336.50
History 202	3	York Technical College	\$336.50
*Math 101 (at ATC)	3	York Technical College	\$336.50
Math 140	3	York Technical College	\$336.50
Anatomy and Physiology (BIO 210)	3	York Technical College	\$336.50
Integrated Business Applications 2 (CPT 170)	3	York Technical College	\$336.50
*Accounting 2 (ACC 111)	3	York Technical College	\$336.50
*Drafting 2 (EGT 110)	4	York Technical College	\$448.67
*Drafting 3 (EGT 115)	4	York Technical College	\$448.67
*Drafting 4 (EGT 225)	4	York Technical College	\$448.67
*Welding 1 (EGT 114 or WLD 104 or WLD 111)	2, 2, 4 (respectively)	York Technical College	\$224.33 (2 hr) \$448.67 (4 hr)
*Welding 2 (EGT 117 or WLD 113)	2, 4 (respectively)	York Technical College	\$224.33 (2 hr) \$448.67 (4 hr)
*Video Production (RTV 103)	3	York Technical College	\$336.50
*Studio Production (RTV 105)	3	York Technical College	\$336.50
*Advanced Video Production (RTV 107 and RTV 110)	6	York Technical College	\$205.00

Patient Care Relations (AHS 116)	3	York Technical College	\$336.50
*Medical Terminology (AHS 102)	3	York Technical College	\$336.50
*Health Science 3(AHS 101)	2	York Technical College	\$224.33
*Emergency Medical Services 3 (AHS 120)	2	York Technical College	\$224.33
*Electricity 3 (BCT 105 or EEM 105)	2, 2	York Technical College	\$224.33 each
*Construction 3 (BCT 105)	2	York Technical College	\$224.33
Marketing Management 2 (MKT 101)	3	York Technical College	\$336.50
Digital Art & Design (VCOM 261)	3	Winthrop University	\$0.00
Teacher Cadet	3	Winthrop University	\$30.00
Criminal Justice 101 (CRJU 101)	3	University of SC-L	\$198.00
Anthropology 102 (ANTH 102)	3	University of SC-L	\$198.00
Psychology 101 (PSYC 101)	3	University of SC-L	\$198.00
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

Early College Courses Offered on York Technical College Campus

Machine Tool Technology (MTT 121 and MTT 122)	3, 4	York Technical College	\$336.50 or \$448.67
HVAC 1 (ACR 102 and ACR 108)	3, 3	York Technical College	\$336.50
HVAC 2 (ACR 110, 120,210,220)	4 each	York Technical College	\$448.67
Networking (IST 201)	3	York Technical College	\$336.67

Dual Credit Placement Scores for YTC/ATC Courses

ATC COURSE	YTC COURSE	PRE-REQ READING	COMPASS READING	PRE-REQ ENGLISH	COMPASS WRITING	PRE-REQ MATH	COMPASS PRE-ALG	COMPASS ALGEBRA	CO-REQ COURSE	MIN GRADE	COMMENTS	SAT
Accounting 2	ACC 111	51*	51*									
	ACR 102	RDG 031	69-80									
	ACR 108	RDG 031	69-80								→ ACR 102 PRE-REQ	
	AHS 101	51*	51*									
Health Science 2	AHS 102	RDG 100	81-87	ENG 100	70-100							
	AHS 116	51*	51*									
	AHS 120	51*	51*									
Automotive 1	AUT 133	51*	51*									
Building Construction 3	BCT 105	RDG 031	69-80									
Electricity 3	EEM 105	RDG 031	69-80									
Drafting 2	EGT 110	RDG 100	81-87				54-100	1-45	MAT 101	51*	MAT 101 W/EGT 110	
	EGT 114	RDG 031	69-80									
Drafting 3 MATH 101 IS A CO-REQ	EGT 115										→ EGT 110 PRE-REQ	540M;480R
	EGT 117	RDG 031	69-80									
Drafting 4 MATH 101 IS A CO-REQ	EGT 225										→ EGT 115 PRE-REQ	
Intro to Networking	IST 201	RDG 031	69-80	ENG 031	32-69	MAT 031	36-53				C	
Video Production	RTV 103										→ RTV 101/105 PRE-REQ**	
Studio Production	RTV 105	RDG 100	81-87								→ RTV 101/202 CO-REQ	
Advanced Video Production	RTV 107										→ RTV 103/CGC 213 PRE-R	
Advanced Video Production	RTV 110	RDG 100	81-87								→ RTV 103/CGC 213 PRE-R	
	WLD 104	RDG 031	69-80									
	WLD 111	RDG 031	69-80									

*COMPASS Reading scores < 51 will require the student to have further diagnostic testing prior to College admittance and course consideration.

Dual Credit Placement Scores for York Technical College (YTC) Courses

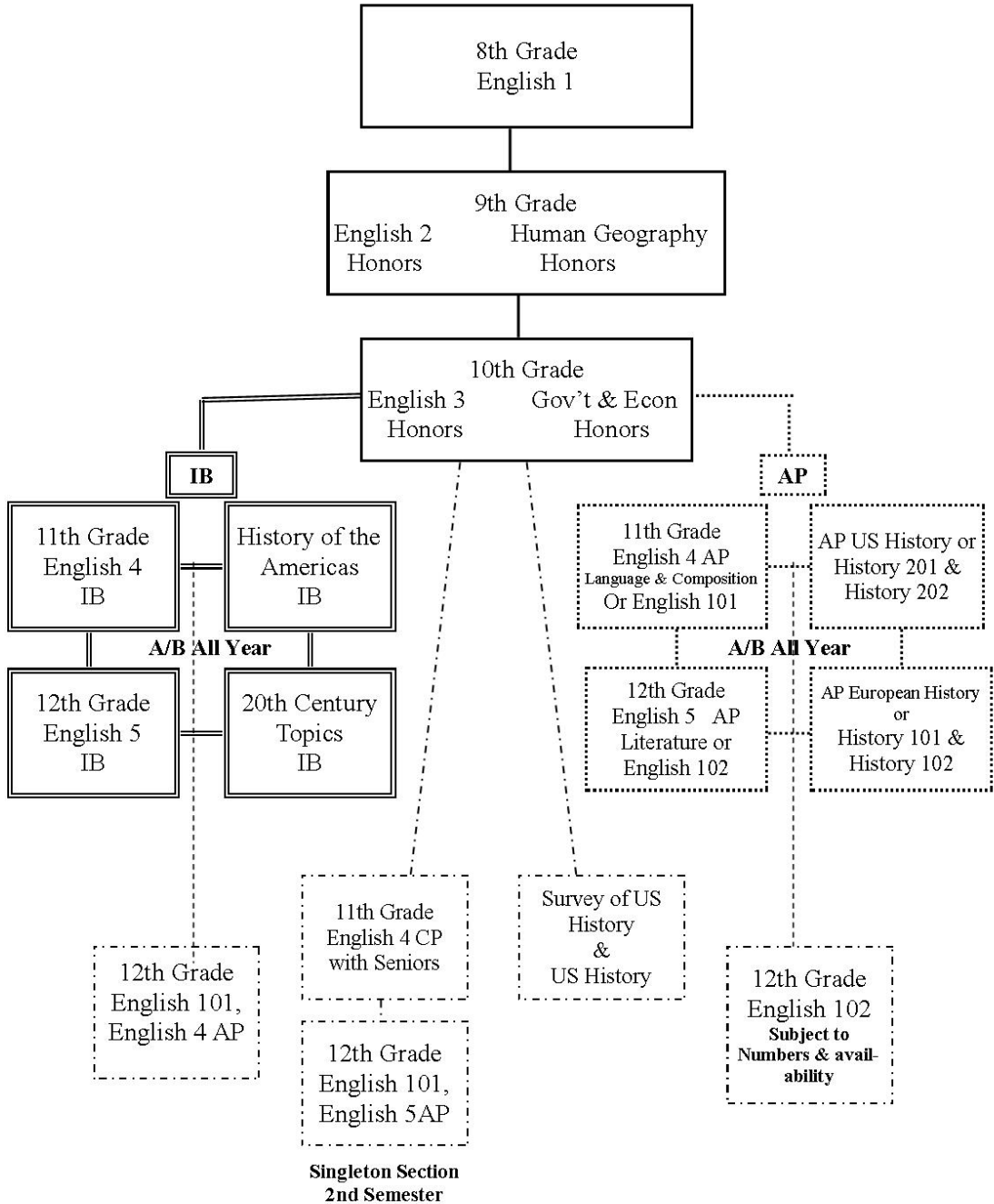
ROCK HILL SCHOOLS YTC DUAL ENROLLMENT COMPASS/SAT/ACT Minimum Placement Scores

YTC COURSE	COMPASS – WRITING	COMPASS – READING	SAT/ACT – WRITING	SAT/ACT – READING	COMPASS – ALG/PRE ALG	SAT/ACT – MATH	Pre-Requisites Minimum Grade	COMMENTS
BIO 210	70 – 100*	81 – 87	≥480/ ≥21*	≥480/ ≥21	NA	NA	RDG 100 > C *ENG 100 > C	*CHM 101 if student has no Chemistry background. *Recommended pre-req.
ENG 101	70 – 100	81 – 87	≥480/ ≥21	≥480/ ≥21	NA	NA	ENG 100/RDG 100 > C	
ENG 102	NA	NA	NA	NA	NA	NA	ENG 101 > C	
HIS 101	NA	NA	NA	NA	NA	NA	NA	No longer offered as an EXCELS course.
HIS 102	70 – 100	NA	≥480/ ≥21	NA	NA	NA	ENG 100 > C	
HIS 201	70 – 100	NA	≥480/ ≥21	NA	NA	NA	ENG 100 > C	
HIS 202	70 – 100	NA	≥480/ ≥21	NA	NA	NA	ENG 100 > C	
MAT 101	NA	NA	NA	NA	1-45/54-100	NA	NA	New course for 2011FA.
MAT 140	NA	NA	NA	NA	NA	650/29	MAT 110/MAT 111 > C	SAT Placement Only.
SCI 150	70 – 100*	NA	≥480/ ≥21*	NA	NA	NA	*ENG 100 > C	Recommended pre-req.*

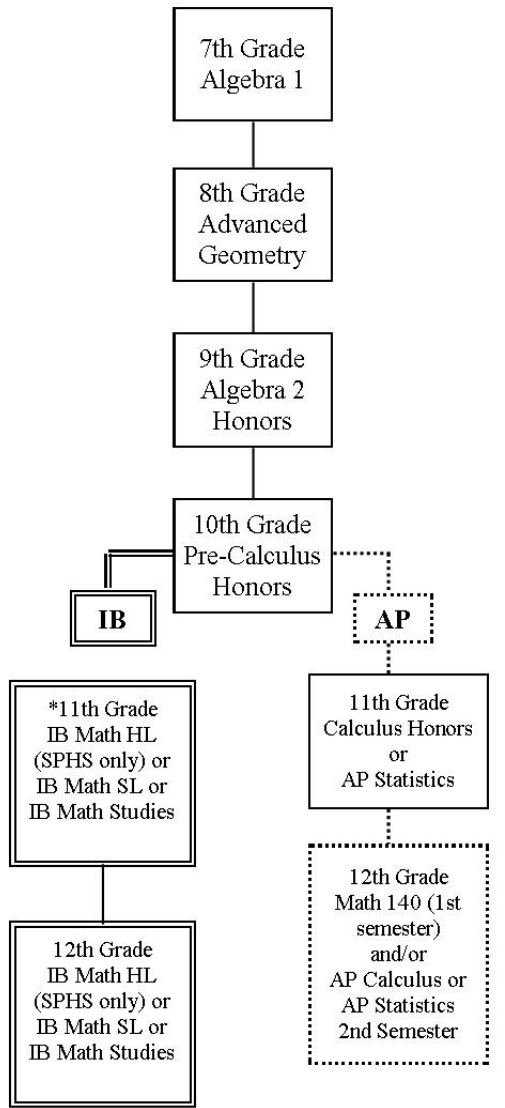
ADVANCED PROGRAMS SUMMARY

	International Baccalaureate	Advanced Placement	Dual Credit through USC, WU, YTC
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 meet entrance test requirements of each course (see individual course descriptions)
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 Early College Courses)

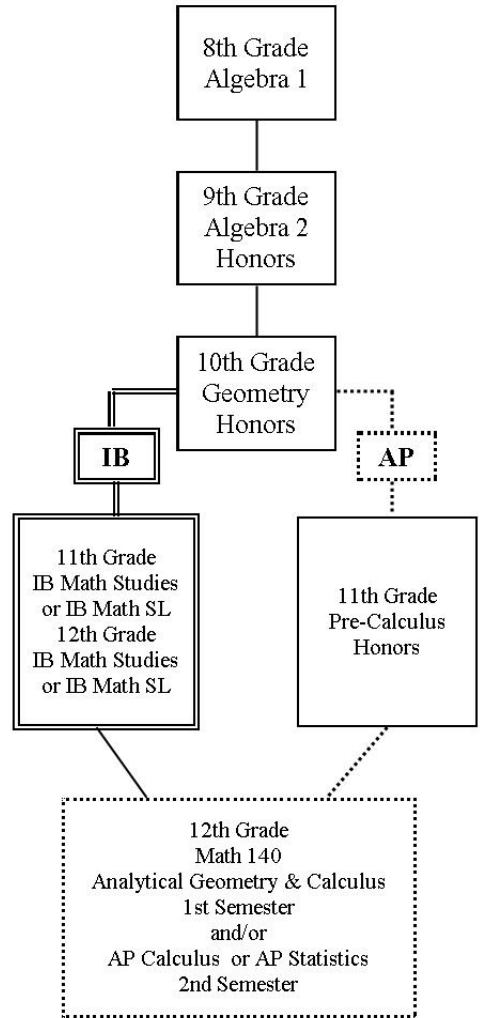
English/History Sequence for Advanced Students



Math Sequence for Advanced Students

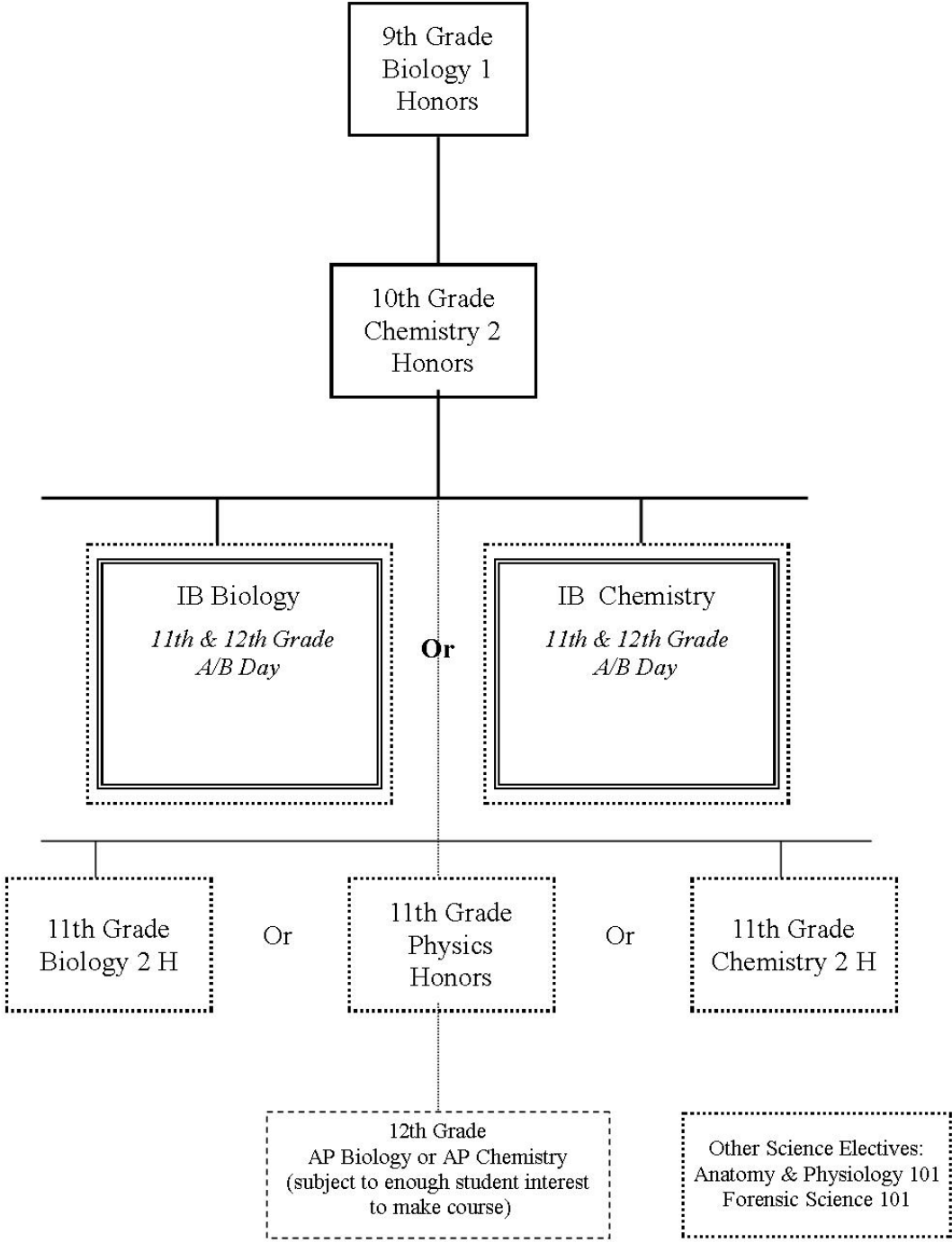


Double Advanced Sequence



Single Advanced Sequence

Science Sequence for Advanced Students



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. All offer the following:

- **individualized planning**
- **flexible scheduling**
- **technology enhancements**
- **rigorous instruction**

Students who desire a more flexible and/or tailored academic plan for obtaining high school credits should consider attending the Phoenix Academy. It is an ideal environment for students who are credit deficient, who have scheduling conflicts with courses at the regular high school, or who want to graduate early. Contact your assigned counselor for more information about the Phoenix day and night programs.

CROSSROADS

Empowering Students to Become Life-long Learners

Population Focus: 8th/9th grade students who are behind their age level peer group in school

Admission Process: The middle school makes the recommendation for a student's attendance to Crossroads after successful completion of the Phoenix-Bound program in 8th grade. Students and parents are notified by the home school.

Dress: Khaki pants; navy blue collared shirt; and navy blue, grey, black, or school sweater/sweatshirt, if needed. Shoes must totally cover students' feet.

Attendance: Monday—Thursday academic classes. Fridays are designed for field trips, academic assistance, and computer usage time.

Credits: Students may earn 4 Carnegie Units per semester

Instructional Model: Apex curriculum along with small groups, projects, computer assignments.

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 Schools 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
- Graphics and Printing Technologies

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

Finance Cluster

- Accounting
- Operations Management

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
- Heating & Air
- Construction Engineering

Transportation, Distribution, & Logistics Cluster

- Automotive Service
- Automotive Collision Repair & Refinishing
- Small Engine Technology
- Materials Handling

Science, Technology, Engineering & Mathematics Cluster

- Engineering
- Mathematics
- Science (Biology)
- Science (Physical Science)

School of Health & Human Services

Health Science Cluster

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

Human Services Cluster

- Cosmetology

Law, Public Safety & Security Cluster

- Criminal Justice & Public Safety
- Military Science

Government & Public Administration Cluster

- Social Science
- Emergency Medical Services

School of Arts and Humanities

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: Fundamentals of Digital Media 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	Studio Production Video Production Graphic & Printing Technology 1 Graphics & Printing Technology 2 Computer Programming 1 Computer Programming 2 Art 1-4 Advertising <i>Fine Arts & ROTC courses complement all majors</i>	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 Honors <u>Choice of one of the following:</u> Creative Writing 1 & 2 Yearbook Productions Video Productions Desktop Publishing	English 4 honors English AP/IB or English 101 20 th Century Topics IB <i>Fine Arts & ROTC Courses Complement all Majors</i>	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 and Humanities
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
French 1, 2, 3, IB SL Spanish 1, 2, 3, IB SL Levels 1, 2 and 3 of one language AND level 1 of another language	Additional foreign languages JROTC Global Studies 1 European History (AP) History of the Americas (IB) Speech and Communication <i>Fine Arts & ROTC Courses Complement all Majors</i>	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 <i>Fine Arts & ROTC Courses Complement all Majors</i>	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 and Humanities

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 1, Art 2, Art 3 (choose 1) 2D, 3D, Painting and Drawing Art 4 Honors AP or IB Art <i>Art History available on-line through York Tech.</i>	<i>Any Fine Arts or ROTC Course</i> Business Computer Applications Marketing Drafting AP European History Global Studies 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 Opportunity 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) <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) <i>ROTC courses complement all majors</i>	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 and Humanities
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 or IB Theater	Speech English 4 Honors AP/IB English or English 101 Video Production Journalism <i>Any other Fine Arts Course</i>	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
<ul style="list-style-type: none"> - theme park character - actor - mime - puppeteer - grip - rigger - scene painter - props person - set construction crewperson 	<ul style="list-style-type: none"> - costume construction crewperson - lighting technician - sound technician - make-up crewperson - house manager - publicity manager - box office manager - theatre manager - assistant stage manager 	<ul style="list-style-type: none"> - 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 Opportunity Options Related to Major
American History (AP, IB, HIS 201/202 Dual Credit) Government & Economics <u>Choose two of the following:</u> AP Geography AP European History (Dual Credit HIS 101/102) 20 th Century Topics (IB)	Anthropology 101 World Religions 20 th Century Conflicts ITGS (IB) ROTC Ancient Global Studies <i>Fine Arts and ROTC Courses</i> <i>Complement all Majors</i>	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 and Humanities
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
Fundamentals of Digital Media Video Productions Studio Productions Advanced Video Production Choose one of the following: Speech Journalism	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 <i>Fine Arts & ROTC Courses Complement all Majors</i>	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

Major: Graphics and Printing Technologies

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Fundamentals of Digital Media Graphics and Printing Tech 1 (1 credit) Graphics and Printing Tech 2 (2 credits) 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 Journalism – Newspaper Journalism – Yearbook Advertising Marketing Art 1, 2, 3, 4 Advanced Placement Art <i>Fine Arts & ROTC Courses Complement all Majors</i>	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 Press Assistant Bindery and Finishing operations Platemaking Pressroom personal	Graphic Design, Web Design, Prepress Editor, Press Operator, Photography Finishing Op. Management Customer Service Rep. Sales Rep. Entrepreneurship Ink Formulator	Graphic Artist/Art Director Print Sales/Buying Rep. Pre-press asst. or manager Quality Control: Pre-press or press Press Operator, Plant Management Industry Trainer, Planner/Scheduler Estimator, Paper Buy/Sell, Color Management, Advertising

School of Arts and Humanities
Cluster of Study: Education and Training

Major: Teaching and Training

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Teaching Fundamentals 1 Teaching Fundamentals2 <u>Choice of One of the following:</u> Introduction to Family and Consumer Science Parenting Education Family Life Education Teacher Cadet 101	Integrated Business Applications Creative Writing 1 Creative Writing 2 Sociology Historical Perspectives of World Religions Fundamentals of Coaching <i>Fine Arts & ROTC Courses complement all majors</i>	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 Human Geography AP European History <u>Virtual High School AP offerings:</u> 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 <i>Fine Arts and ROTC courses complement all majors</i>	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 4 IB (1 credit) - English 5 IB (1 credit) - History of Americas IB (1 credit) - 20 th Century IB (1 credit) IB Major –Interdisciplinary Emphasis - ITGS -Theater - Art - Music -Foreign Language 3 & 4	Any honors, AP, or IB course that would complement area of interest <u>Science Emphasis</u> Pharmacy Technology, Anatomy and Physiology 101 <u>Math/Science Emphasis</u> Accounting, Pre-Engineering <u>English/History Emphasis</u> Sociology, Psychology, Cultural Anthropology 101 <i>Fine Arts & ROTC Courses</i> <i>Complement all majors</i>	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

Major: Occupation and Employability

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

Required Courses for Major (Four credits required)* =Required	Complementary Coursework	Extended Learning Options Related to Major
Accounting 1 Entrepreneurship <u>Choose two of the following:</u> Accounting 2 (dual credit at York Tech) Virtual Enterprise 1 & 2 Integrated Business Applications 1 & 2 Business Law	Advertising Marketing Management 2 Merchandising Marketing Travel & Tourism Programming 1, 2 Web Design <i>Fine Arts and ROTC courses complement all majors</i>	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 Marketing & Management 2 Personal Fitness <u>Choose one of the following:</u> Individual and Team Sports Total Body Conditioning 1, 2,3 4	Business Law Advertising Accounting 1 Integrated Business Applications Travel & Tourism <i>Fine Arts and ROTC courses Complement all Majors</i>	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: Operations Management

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Virtual Enterprise 1 & 2 <u>Choose two of the following:</u> Accounting I & II Entrepreneurship Virtual Enterprise 3 & 4 Business Law Integrated Business Applications 1 & 2	Advertising Marketing & Marketing Management 2 Merchandising Travel & Tourism Programming 1 Virtual Enterprise/Business Entrepreneurship Business Law <i>Fine Arts and ROTC courses complement all majors</i>	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
Bookkeeping Clerk Facilities Manager Payroll Clerk Medical Billing Clerk	Auditor Accountant Credit Manager	Educator Certified Public Accountant Chief Financial Officer

Major: Accounting

Required Courses for Major (Four credits required) * = required	Complementary Coursework	Extended Learning Options Related to Major
*Accounting 1, Accounting 2 (Accounting 111 dual credit at York Tech.) <u>Choose two of the following:</u> Business & Personal Finance Integrated Business Applications 1 & 2 Entrepreneurship or Virtual Enterprise	Advertising Marketing & Marketing Management 2 Merchandising Computer Programming 1 and 2 Virtual Enterprise/Business Entrepreneurship Business Law <i>Fine Arts and ROTC courses complement all majors</i>	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 Accounts Receivable Clerk Bank Teller Payroll clerk Bookkeeper	Accountant Payroll Coordinator Cost Accountant Assistant Tax Preparer Inventory Control	Teacher Certified Public Accountant Investment Counselor Financial Planner Chief Financial Officer

School of Business Management & Information Systems Cluster of Study: Hospitality & 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) <u>Choose one or two of the following:</u> Foods & Nutrition 1 Accounting 1 Entrepreneurship	Sports Nutrition Sociology Basic Computer Speech and Communication Hospitality Management Marketing <i>Fine Arts and ROTC courses complement all majors</i>	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; Server; Host; Cashier; Cruise Ship Worker; Bartender Any food service worker	Chef Assistant; Head Cook Entry-level management Restaurant Manager Caterer	Chef; Nutritionist Restaurant Manager Culinary Director Upper-Level Management Dietician

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 Opportunity Options Related to Major
Computer Programming with Java Computer Programming with Visual Basic <u>Choose two of the following:</u> Information Technology for a Global Society IB Digital Electronics Honors WebPage Design (pre-requisite) Computer Science AP	Higher level math courses Integrated Business Applications 1 & 2 Introduction to Networking Computer Service Technology Introduction to Engineering Design Principals of Engineering Entrepreneurship Virtual Enterprise 1, 2, 3, 4 <i>Fine Arts and ROTC courses complement all majors</i>	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, Sales and Service

Major: Marketing Management

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Marketing Marketing Management <u>Choose one of the following:</u> Business Law Entrepreneurship Virtual Enterprise 1,2,3,4 Accounting 1 & 2 Integrated Business Applications 1 & 2 WebPage Design 1 and 2	Business & Personal Finance ROTC Merchandising Hospitality Management <i>Fine Arts and ROTC courses complement all majors</i>	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

Major: Marketing Merchandising

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Marketing Merchandising <u>Choose one of the following:</u> Marketing Management Entrepreneurship Virtual Enterprise 1,2,3,4 Integrated Business Applications 1 & 2 WebPage Design 1 & 2	Business Law Business & Personal Finance Accounting 1 & 2 ROTC Merchandising Hospitality Management <i>Fine Arts and ROTC courses complement all majors</i>	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 Business Management & Information Systems
Cluster of Study: Marketing, Sales and Service**

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 Integrated Business Applications 1 & 2 WebPage Design 1 & 2	Marketing Management Entrepreneurship Business & Personal Finance Accounting 1 & 2 ROTC Merchandising Hospitality Management <i>Fine Arts and ROTC courses complement all majors</i>	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 and 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 <i>Fine Arts and ROTC Courses Complement all Majors</i>	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 and 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 (Dual Credit) Drafting 3: Mechanical Drafting Drafting 4: Civil And Architectural	Construction Engineering Welding Electricity Masonry Physics Calculus Small Engine Automotive Horticulture Principles of Engineering(PLTW) ROTC <i>Fine Arts and ROTC Courses Complement all Majors</i>	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

Major: Electricity

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Electricity 1 (1 credit) Electricity 2 (2 credits) Dual Credit York Tech <u>Choose one of the following:</u> Introduction to Construction Construction Engineering 1(1 credit) Drafting 1 (1 credit) Welding 1 (1 credit)	Construction Engineering Drafting Automotive Technology Auto Body <i>Fine Arts and ROTC Courses Complement all Majors</i>	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 and 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) Dual Credit York Tech Welding 2 (2 credits) Dual Credit York Tech Machine Technology 1 (1 credits) Dual Credit York Tech Machine Technology 2 (1 or 2 credits) Dual Credit York Tech	Drafting 1 Drafting 2 Introduction to Engineering Design Industrial Technology Small Engines 1 Small Engines 2 Auto Body 1 Auto Body 2 <i>Fine Arts Courses Complement all Majors</i>	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

Major: Heating & Air

Required Courses for Major (Four credits required)	Complementary Coursework	Extended Learning Options Related to Major
Heating, Air and Refrigeration 1 (1 credit) Dual Credit York Tech Heating, Air and Refrigeration 2 (2 credit) Dual Credit York Tech <u>Choose one of the following:</u> Electricity 1 (1 unit) Welding 1 (1 unit) Drafting 1 (1 unit)	Electricity 2 Drafting 2 Welding 2 Construction Engineering 1 Construction Engineering 2 <i>Fine Arts and ROTC Courses Complement all Majors</i>	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
Installation Assistant Technician Assistant	Installer Technician Sales Representative Management Trainee	Entrepreneurship Management

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

Major: Construction Engineering

Required Courses for Major Choose four of the following:	Complementary Coursework	Extended Learning Options Related to Major
Introduction to Construction Construction Engineering 2 Construction Engineering 3 (2 credits) Dual Credit York Tech <u>Choose one or more of the following:</u> Introduction to Construction (1 credit) Masonry 1 (1 credit) Electricity 1 (1 credit)	Drafting 1, 2, 3, 4 Masonry 2 Electricity 2 Welding 2 Spanish 1 & 2 <i>Fine Arts and ROTC Courses Complement all Majors</i>	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 1 st Line Management Lead Carpenter Assistant Superintendent	Entrepreneurship Superintendent Project Manager

**School of Math, Science, Engineering and 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
Introduction to Transportation Automotive Service 2 (1 credit) Automotive Service 3 (2 credits) *Student may exempt Automotive 105 at York Tech if student passes exemption test.	Collision Repair and Refinish 2 (1 credit) Collision Repair and Refinish 3 (2 credits) Welding 1 (1 credit) Dual Credit York Tech Small Engines 2 (1 credit) Integrated Business Applications Drivers Education Computer Service <i>Fine Arts and ROTC Courses Complement all Majors</i>	Job Shadowing Career Mentoring Internship Cooperative Education <ul style="list-style-type: none"> • 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 Service Advisor Automotive Insurance Adjuster Automotive Parts Specialist	Mechanical Engineer Automotive Design Engineer Automotive Business Entrepreneur

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

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 (1 credit) Automotive Technology 2 (2 credits) Welding 1 (1 credit) Dual Credit York Tech Drivers Education Welding <i>Fine Arts and ROTC Courses Complement all Majors</i>	Job Shadowing Career Mentoring Internship Cooperative Education <ul style="list-style-type: none"> • 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) <u>Choice of one of the following:</u> Introduction to Transportation Welding Technology 1 (1 credit) Dual Credit York Tech Lawn and Turf Mgmt. (1 credit)	Welding courses Horticulture courses Automotive Tech courses Electricity courses <i>Fine Arts and ROTC Courses Complement all Majors</i>	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 Manufactures 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: Materials Handling

Required Courses for Major (Four credits required)	Complementary Coursework Suggestions shaded for rigor, application, and communication	Extended Learning Options Related to Major
Materials Handling 1 - Introduction Materials Handling 2 – Warehouse Distribution Materials Handling 3 – Warehouse Inventory Materials Handling 4 – Work-based	Automotive Tech 2 & 3 Collision Repair and Refinish 2 & 3 Welding 1 (1 credit) Dual Credit York Tech Small Engines 1 (1 credit) Integrated Business Applications <i>Fine Arts and ROTC Courses Complement all Majors</i>	Job Shadowing Career Mentoring Internship Cooperative Education <ul style="list-style-type: none"> • 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 <u>Choose one of the following:</u> Civil Engineering & Architecture Physics or Physics Honors Drafting 4 – Civil and Architectural Drafting (dual credit)	Physics, Chemistry 2 honors or IB/AP, Biology II honors or IB/AP Calculus, Computer Programming Drafting 1, 2, 3 Electricity 1 Construction Engineering 1 & 2 Machine Technology 1 & 2 Speech ROTC	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 and 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
<u>Choose four of the following:</u> Algebra 3 Trigonometry Pre-Calculus (CP or honors) Math 140—Analytical Geometry and Calculus (dual credit York Tech) AP Calculus, AP Statistics IB Math HL, IB Math SL IB Math Studies	Computer Science emphasizing programming AP Statistics Chemistry 1 Chemistry 2 Physics <i>Fine Arts and ROTC Courses Complement All Majors</i>	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 CP or Honors Or Applied Biology 2 <u>Choose three from the following:</u> Physics, Biology 2 Honors, Environmental Science, Biology AP/IB, Anatomy and Physiology (CP or 101—dual credit YorkTech)	Teacher Cadet, Lab Instrumentation – Dual Credit offered on York Tech. Campus, Digital Electronics, Medical Terminology, Sports Medicine Forensic Science, Probability & Statistics, Speech and Communication Integrated Business Applications, Electricity 1 <i>Fine Arts and ROTC Courses Complement all Majors</i>	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 and 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 2 Honors Chemistry AP/IB Pharmacy Technology Principles of Engineering Environmental Science	Teacher Cadet, Lab Instrumentation (Dual Credit offered on York Tech. campus) Digital Electronics, Medical Terminology, Sports Medicine, Forensic Science, Statistics Integrated Business Applications, Electricity 1 ROTC <i>Fine Arts Courses Complement all Majors</i>	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
Introduction to Health Science Health Science 2 Health Science 3 Health Science 4	Emergency Services 2 & 3; Sports Medicine Pharmacy Tech; Forensic Science; Physics Psychology; Anatomy & Physiology Foods and Nutrition 1 & 2; Spanish Sociology; Advanced science courses highly recommended <i>Fine Arts and ROTC Courses Complement all Majors</i>	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 <i>The following may require some additional training:</i> 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
<u>Choose four of the following:</u> 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 <i>Fine Arts and ROTC Courses</i> <i>Complement all major</i>	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 Introduction to Health Science <u>Choose two of the following:</u> Health Science 2 Emergency Services 2 Medical Terminology	Sports Nutrition Medical Terminology Health Science 1 & 2 Emergency Services 1 & 2 Chemistry <i>Fine Arts and ROTC Courses</i> <i>Complement all Majors</i>	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 Nurses Assistant 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
Foods 1 Foods 2 Chemistry (Chemistry 2 honors or higher suggested for 4-year track) <u>Choice of One of the following:</u> Anatomy & Physiology 101 Sports Nutrition Culinary Arts	Biology (Biology 2 honors or higher for 4-year track) Accounting 1 Psychology Sports Medicine Health Science <i>Fine Arts and ROTC Courses</i> <i>Complement all majors</i>	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 credits) Cosmetology 2 & 3 (4 credits) <u>Choose one of the following:</u> Chemistry Integrated Business Applications 1 Business Entrepreneurship	Business & Personal Finance Speech Marketing Retail Merchandising Spanish <i>Fine Arts and ROTC courses</i> <i>Complement all Majors</i>	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 & 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 101 (Dual credit York Tech.) Intro to Forensic Science (SCI 150 Forensic Science dual credit at York Tech.) Sociology (SOC 101 Intro to Sociology dual credit on campus of York Tech.)	Speech (SPC 205 Public Speaking dual credit at YTC) Emergency Medical Services Journalism I Psychology 101 Spanish I Integrated Business Applications ROTC <i>Fine Arts and ROTC courses Complement all Majors</i>	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, Detective/Criminal Investigator, Federal Marshall, Criminologist, FBI Agent, Secret Service Agent

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 Honors	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 <i>Fine Arts Courses Complement all Majors</i>	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

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 course in sequence. Students must pass the math, reading, and writing sections of the Exit Exam to receive a diploma.

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 on the HSAP Exit Exam in language arts. Students are placed in this class based on their performance on this 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 on the HSAP test and 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. **A state end of course test counts as 20% of the course grade.**

• **English 1 with English 1 Essentials**
301105CW
English Essentials course 309941CW
Targeted for 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 219 or below 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.

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 exposition, 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

Targeted for 10th grade students who need a combination of English 2 and English 2 Essentials in order to bolster reading and writing skills, provide extra time to master English 2 standards, and prepare for the HSAP exam. 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. Students who earn a 222 reading scaled score or below on the district MAP test in 9th grade will be recommended for this course. 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.



- **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 persuasion. 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
PREREQUISITE: English 3 – Honors

College-level course that emphasizes the composition of persuasive, expository, and narrative 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. Students must take the AP Language and Composition Examination in order to receive AP credit. **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. Students must take the AP Literature and Composition Examination in order to receive AP credit. **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 303000EW

PREREQUISITE: English 4 and 480 SAT or 21 ACT. Students are responsible for paying \$205.00 York Tech tuition for 6 hours.

Dual credit course that incorporates a study of composition in conjunction with appropriate literary selections and with frequent theme assignments to reinforce effective writing, a review of standard usage, and a review of the

basic techniques of research. This course is taught on an A/B day with History 101.

• English Composition 102 303001EW
PREREQUISITE: English 101. Students are responsible for paying \$205.00 York Tech tuition for 6 hours.

College-level course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections and with frequent theme assignments to reinforce effective writing, a review of standard usage, and a review of the basic techniques of research. This course is taught on an A/B day with History 102.

English/Language Arts Electives

•English As A Second Language 379950CW and 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**

305100CW

Optional Number 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**

305200HW

PREREQUISITES: Journalism 2

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.**

- **Yearbook Production** **305400CW**

Optional Number 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. Additionally, students must pass the math, reading, and writing sections of the Exit Exam to receive a diploma.

- **Math Learning Lab (Mathematics Elective Credit)**

Math Learning Lab is designed to provide academic support for students who have not met the standards on the HSAP Exit Exam in mathematics. Students are placed in this class based on their performance on this assessment. Students work on assignments in class and in the computer lab which are designed to strengthen the skills they need to be successful on the HSAP test and 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 real 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 **This course is for the students who did not pass both Tech I and Tech II in their 9th grade year.**

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 & functions, systems, functions, radicals, quadratics, polynomial/rational functions, conics, logs & exponents, and sequences & 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.

• Math IB–SL 1st sem/yr 311A90HW

2nd sem/yr 311A00IW

PREREQUISITES: Algebra 2 Honors and Geometry Honors

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, matrices, and determinants; 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 project portfolios 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.

• Math Studies –IB SL 1st sem/yr 311B90HW

2nd sem/yr 311B00IW

PREREQUISITES: Algebra 2 Honors and Geometry Honors

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; financial mathematics; 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.

• Math 101

319901EW

PREREQUISITE: Algebra for the Technologies 1 and 2, Math Tech 3, and Math Tech 4

Dual credit course with York Tech. Student must be 16 years of age and meet COMPASS score of 1-45/54-100 and pay \$336.50 tuition.

Emphasizes college algebra appropriate for a two-year college program. This course includes the following topics: operations with signed numbers; addition, subtraction, multiplication, and division with algebraic expressions; factoring; techniques for solving linear and fractional equations; and an introduction to graphing.

•Calculus

Math 140 Analytical Geometry &Calculus

413500 EW

Dual credit course with York Tech. Students must meet SAT score of 650 or ACT of 29, and pay \$336.50 tuition.

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 417000AW
2nd semester

PREREQUISITES: Calculus Honors, Math 140, 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. The AP exam must be taken to receive AP credit. **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 AP Math. The AP exam must be taken to receive AP credit.

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, 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 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** **1st sem/yr 322B00IW**
2nd sem/yr 322C00IW
- **Biology – AP** **1st sem/yr. 327290HW**
2nd sem/yr 327200AW

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

A yearlong laboratory science course that is equivalent to the material covered in two semesters of introductory biology in many colleges and universities. The course provides a thorough study of the major concepts of biological science and includes the study of molecules and cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, ecology, behavior, and structure and function of plants and animals. This course provides numerous opportunities for students to develop science process skills, critical thinking, and an appreciation for the nature of science through inquiry-based learning experiences. The IB or AP exam must be taken to receive IB or AP credit.

• **Chemistry for the Technologies 323600CW**
PREREQUISITE: Algebra 1 or Algebra Tech 2 and Physical Science

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** *1stsem/yr 323B00IW*
2ndsem/yr 323C00IW
- **Chemistry – AP** *1stsem/yr 327390HW*
2ndsem/yr 327300AW

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

A laboratory science that is a yearlong course that includes 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 and analytical chemistry, and further organic chemistry. Additional topics include the study of chemical reactions, thermo chemistry and thermodynamics, atomic structure, electrochemistry, nuclear reactions, qualitative analysis, and organic chemistry. The IB or AP exam must be taken to receive IB or AP credit.

• 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.

• Anatomy and Physiology 101 326300EW
PREREQUISITE: Students must have a writing score of 480 on SAT or 21 on ACT, pay \$336.50 York Tech tuition, pay \$25.00 lab fee, and purchase their textbook(s).

A one-semester college level laboratory science course that presents a comprehensive study of

the human body structure and function. The course may be beneficial to students that are interested in health care related fields.

• **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.

• **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.

• **Introduction to Forensic Science 150**

329951CW or 329951EW

PREREQUISITE: Biology 1 and Chemistry 1
Students must have a writing score of at least 70-100 on COMPASS, 480 on SAT, or 21 on ACT. They must pay \$336.50 York Tech tuition and purchase textbook(s).

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.

Engineering Project Lead the Way

• **Introduction to Engineering Design (IED)**
605100C or 605100EW

PREREQUISITE: Algebra I CP should be completed before or while students are taking the IED course

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 or 605000EW

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**

605200HW or 605200EW

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**

605800HW

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.***

• **Modern Global Studies** **336082CW**

Provides an overview of global studies, with a specific emphasis on the history, political science, geography, and economics of the age of the Renaissance through the Twentieth Century. The course will focus on integrating the World Geography and World History developments of 1500 to the present. Students will study primary and secondary sources, write essays and complete projects to demonstrate an understanding of the history and culture of past civilizations.

• **Human Geography Honors** **331090HW**
336090HW

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.

• **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. Students must take the AP Exam to earn AP credit. **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.

• **American History 201/202 332000EW**
PREREQUISITES: Students must have a writing score of at least 70-100 on COMPASS, and 480 or 21 on ACT and pay \$205.00 York Tech tuition for 6 hours.

A dual credit college-level course based upon a study of American history from colonization to Cold War and Post Cold War developments in American history. This course is taught on an A/B day and is paired with English 101 and 102. **This course has a state-required End of Course exam that will count for 20% of the final average.**

• **Theory of Knowledge**

339991HH - Junior year

338G02IH - Senior year

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.

• **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. Students must take the AP Exam to earn AP credit. **This course is taught on an A/B day and is paired with English 5 AP Literature in the senior year.**

• **History 101 and 102** 337600EW
PREREQUISITES: Students must have a writing score of at least 70-100 on COMPASS, and 480 or 21 on ACT and pay \$205.00 York Tech tuition for 6 hours,
Dual credit course that 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. Students must take the AP Exam to earn AP credit. This course also receives 6 hours dual credit for HIS 101 and 102 at York Technical College; students who do not earn a passing score on the AP exam may still earn college credit. **This course is taught on an A/B day and is paired with English 101.**

• **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.**

• **Psychology-IB SL** 1stsem/yr 334A90HW
2ndsem/yr 334A00IW
The IB exam must be taken to receive IB credit.
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** 334000EW
PREREQUISITE: Overall 3.0 GPA required. Students must pay \$198.00 USC-L tuition.
Dual credit course that provides an in-depth study of developmental psychology. Successful completion of this college level course grants three hours of college credit.

• **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.

• **Cultural Anthropology 102** 339902EW
PREREQUISITE: 3.0 GPA required. Students must pay \$198.00 USC-L tuition.
Explores and compares selected contemporary

cultures. Successful completion grants three hours of college credit.

• **Criminal Justice 101** 339961EW

PREREQUISITE: 3.0 GPA required.

Students must pay \$198.00 USC-L tuition.

Surveys the law enforcement, courts, corrections, and planning systems. Successful completion of this college level course grants three hours college credit.

• **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/Current Events**

333600CW

Provides the practical information needed to apply legal principles in modern society. This course involves case studies, mock trials, and role-play as well as small group and visual activities. This course also introduces law and the legal system and practical aspects of the law including individual rights and liberties. This course explores issues and occurrences, which affect students' 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 practitioners 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.



• **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

Introduces the French language through listening, reading, writing, and speaking. This course emphasizes basic vocabulary and grammar in greetings, introductions, conversations, and cultural activities. The course provides a solid foundation in the language and an understanding of the French-speaking world.

• French 1- Accelerated 361190CW

This course is designed to move faster and cover more French content than French 1. It is intended for students who plan to pursue an IB Diploma or IB Certificate in foreign language. For 9th grade students only.

• French 2 361200CW PREREQUISITE: French 1

Focuses on the development of intermediate listening, reading, and writing skills in French. This course places an additional emphasis on proficiency in speaking and on intermediate vocabulary and grammar. Culture continues to be an integral part of the course.

• French 2-- Accelerated 361290CW PREREQUISITE: French 1 Accelerated

Focuses on the development of intermediate listening, reading, and writing skills in French. This course is designed to move at a faster pace and develop greater skills in the French language. Additional emphasis is placed on proficiency in speaking and on intermediate

vocabulary and grammar. Students will develop stronger communicative skills, presentational skills, and interpretive (reading comprehension) skills in the target language. French will be used as the primary mode of instruction at least 80% of the class period. Intensive study and analysis of Francophone culture and history are included.

• French 3 361300CW

Places emphasis on oral proficiency in speaking. This course offers studies in literature, culture, and grammar, which broaden the student's ability to understand, read, write, and speak French.

• French 4 Honors 361490HW

Emphasizes more sophisticated use of French. Stresses vocabulary acquisition and complex grammatical structures needed for advanced conversation and writing in the target language. Students will participate in oral discussions, both extemporaneous and prepared, dealing with social, cultural and formal situations. Students will read and discuss increasingly complex selections. Students will also compare and contrast cultural norms in their own country with those in other countries where the target language is spoken.

• French Honors 361495HW

Emphasizes greater and more sophisticated use of French. Emphasis will continue to be placed on development of communication skills in listening, speaking, reading, and writing. The course stresses vocabulary acquisition for advanced conversation, composition, culture, and the study of authentic texts. Students taking this course are on track to take the French IB SL course and sit for the IB exam in the 12th grade. This course is taught on an A/B day with IB science.

• French IB SL 361G00IW

Continues to emphasize greater and more sophisticated use of the target language and encompasses and expands the skills of level 4-IB. The course also stresses the development of advanced reading; writing and speaking skills, which help, prepare students for the IB exam. This course is taught on and A/B day with IB science.

• **IB French Ab Initio SL**

1st year 361F90HW

2nd year 361F00IW

Geared towards juniors and seniors who are interested in pursuing the IB diploma but have never formally studied French. 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 French.

SPANISH

• **Spanish 1** **365100CW**

Introduces students to basic vocabulary, grammar, and culture through listening, speaking, reading and writing activities.

• **Spanish 1 Accelerated 365190CW**

This course is designed to move at an accelerated rate than the Spanish 1 course and is designed for students who intend to pursue and IB Diploma or IB Certificate in foreign language in the junior or senior year. It emphasizes listening, speaking, reading, and writing skills while incorporating beginning grammar and vocabulary. Students will develop the interpersonal/communicative skills, presentational skills, and interpretive (reading comprehension) skills in the target language. Spanish will be used as the primary mode of instruction at least 80% of the class period. Intensive study and analysis of Hispanic culture and history are included.

For 9th grade students only.

• **Spanish 2** **365200CW**

Places emphasis on the development of the listening, speaking, reading, and writing skills by using more vocabulary and grammar. The study of culture and the development of conversational skills are also a part of the course.

• **Spanish 2 Accelerated 365290CW**

PREREQUISITE: Spanish 1 Accelerated

Focuses on the development of intermediate listening, reading, and writing skills in Spanish.

This course is designed to move at a faster pace and develop greater skills in the Spanish language. Additional emphasis is placed on proficiency in speaking and on intermediate vocabulary and grammar. Students will develop stronger communicative skills, presentational skills, and interpretive (reading comprehension) skills in the target language. Spanish will be used as the primary mode of instruction at least 80% of the class period. Intensive study and analysis of Hispanic culture and history are included.

• **Spanish 3** **365300CW**

Continues work on the four skill areas with emphasis on more communication in conversation and writing. Studies in literature, culture, and grammar are offered on a more advanced level.

• **Spanish 4 Honors** **365490HW**

Spanish 4 Honors: Stresses vocabulary acquisition and complex grammatical and structural constructs needed for advanced conversation and writing in the target language. Students will participate in oral discussions, both extemporaneous and prepared, dealing with social, cultural, and formal situations in the target culture. Students will read and discuss increasingly complex selections in the target language. Students will also compare and contrast cultural norms in their own country with those in other countries where the target language is spoken.

• **Spanish Honors** **365495HW**

Stresses vocabulary acquisition for use in advanced conversation and writing. Students will participate in oral discussions, both extemporaneous and prepared, dealing with social, cultural, and formal situations. Students in this course are on track to take the Spanish IB SL course and sit for the IB exam in 12th grade. This course is taught on an A/B day with IB science.

• **Spanish IB SL** **365G05IW**

Emphasizes a development of IB work units incorporating all four skills on a more sophisticated level. Students will read, analyze,

and discuss a variety of authentic Spanish materials. The course also stresses the development of writing skills. This course is taught on an A/B day with science.

CHINESE

IB Ab Initio Mandarin Chinese 461F00IW
Students must pay \$950 over two years for this online course.

An online course that meets over two years for students who want to pursue IB but do not have the required foreign language courses. The course incorporates listening, speaking, reading, and writing in Mandarin and will connect students with other students around the world.

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 the skills necessary for the technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Instruction, beginning with the simplest form of accounting,

progresses to special journals, eight-column work sheets, financial reports and closing entries.

• **Accounting 2** **500500EW**
PREREQUISITE: Accounting 1
Students must have a COMPASS reading score of at least 51. Student must pay \$336.50 York Tech tuition and purchase any textbook(s).

Expands the student's understanding of accounting subsystems and develops an understanding of various methods of internal control procedures. The student develops competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of-period procedures. The student will demonstrate the use of accounting principles through the use of computer software and simulated activities. The course is NOT a 4-year college transfer course, but it does transfer to a technical college and prepares students to take Accounting 101 in a 4-year college.

• **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.

• **Virtual Enterprise 1, 2, 3, 4** **515000CW**
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 phases 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.

• **Business Law** **504400CW**
Provides the student with a knowledge of the legal environment in which a consumer operates and with a knowledge of legal principles. This course does not meet the computer literacy requirement for graduation.

• **Integrated Business Applications 1** **502000CW**
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. **This course meets the computer literacy unit requirement for graduation.**

• **Integrated Integrated Business Applications 2** **502100EW**
PREREQUISITE: Integrated Business Application 1
Student must pay \$336.50 York Tech tuition and purchase textbook(s).
Dual credit course that 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**
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. **This course meets the computer literacy graduation requirement.**

• **Web Page Design & Development 2** **503300CW**
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. **This course meets the computer literacy graduation requirement.**

• **Digital Desktop Publishing 517600CW**
PREREQUISITE: Integrated Business Applications 1
Expansion of office computing, incorporating the use of desktop publishing software or word processing software with desktop capabilities, a computer system, and a printer to produce professional-looking documents. The student will learn how to edit clip art and photographs for inclusion in printed documents. This course will prepare future designers with the foundation they need to succeed in the highly competitive print, Web, and multimedia industries. **This course meets the computer literacy unit requirement for graduation.**

• **Computer Programming 1 505200CW**
This course meets the computer literacy unit requirement for graduation.
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 (Java/Visual Basic). 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.

• **Computer Programming 2 with Game Programming 505400CW**
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 (Java/Visual basic), 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.

• **Information Technology for a Global Society**

1st Semester 473A90HW

2nd Semester 473A00IW

The IB exam must be taken and completion of a project is required to receive IB credit.

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**

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. **This course meets the computer literacy graduation requirement.**

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.

• **Introduction to Art** **350101CW**

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

PREREQUISITE: No art experience necessary.

An introductory art course with an emphasis in basic studio techniques. The student will study different types of art and the materials and processes involved in creation. Beginning level drawing and design techniques will be accompanied by discussions and writings related to processes, criticism, and aesthetics and art history.

• **Art 1** **350100CW**

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

PREREQUISITE: Introduction to Art or minimum grade of C in 7th and 8th grade art

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, ceramics, collage, sculpture, printmaking, 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?

PREREQUISITE: 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 is 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 A & B** **351A00IW**
351B00IW (2 semesters)

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** **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.

• Theatre Arts IB SL

452A90HW & 452A00IW

(Offered only at SPHS)

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 placed 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.



• **Choral Ensemble (RHHS)**
• **Singers (NHS / SPHS)** **354100CW**

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)**
• **Stallion Vocal Ensemble (SPHS)** **354200CW**
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)**
• **Troubadours (NHS)** **354300CW**

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)
- **Troubadours Honors** (NHS)

354400HW

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, 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.

- **Music – IB SL** **356A00IW**
Offered 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 strongly recommended.



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** **355010CW**
Director approval required

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.

- **Concert Orchestra**
Second semester **355011CW**

- **Strings Chamber Orchestra** **355012CW**
Director approval required

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.

• **Strings Chamber Orchestra 355013CW**
This course is for students who want to continue strings second semester.

AEROSPACE EDUCATION

The mission of the Air Force Junior Reserve Officer Training Corps (AFJROTC) program is to “Develop citizens of character, dedicated to serving their nation and community.” In addition to the academic credits which are earned, the following benefits are available: special consideration for an appointment to the Air Force Academy, selection for AFROTC scholarships, and higher pay grades should one enlist in the military.

Cadets participate in academic, leadership training, and wellness activities. Leadership training includes military customs and courtesies, grooming standards, and the wearing of the AFJROTC uniform.

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 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.

There are four major academic areas. Each may be taught as a stand-alone course or blended course. Aerospace Science (AS)-1, “A Journey into Aviation History” covers the evolution of flight; AS-2, “The Science of Flight” covers the aerospace environment, human requirements of flight, and principles of aircraft flight; and AS-3, “Cultural Studies: An Introduction to Global Awareness” covers cultural perspectives in a complex world; and AS-4, “Management of the Cadet Corps” covers aviation-related careers and affords upper class cadets the opportunity to practice management techniques and evaluate their effectiveness.

At Northwestern and Rock Hill High Schools, AS-1, or AS-2, or AS-3 are taught on a rotating schedule. Cadets may enroll in either AS-1, AS-2 or AS-3 as their first AFJROTC class.

At South Pointe, all first year Cadets will be enrolled in 375100CW, “A Journey into Aviation History.” All second and third year cadets will be enrolled in 375300CW, “Cultural Studies: An Introduction to Global Awareness,” and all fourth year cadets will be enrolled in 375400CW, “Management of the Cadet Corps” in the 2012/2013 school year.

A cadet’s first enrollment fulfills the state requirement for a Physical Education credit. AS-1, AS-2 and AS-3 or their equivalents must be completed prior to enrolling in AS-4. AS-4 is taught every year.

Requirement: Students are responsible for uniform upkeep. They may elect to pay a cleaning fee or have their uniforms professionally cleaned prior to turn in.

The course designations follow:

South Pointe

- **Aerospace Science (AS) Air Force Code (AFC)**

AS-1 375100CW
A Journey into Aviation History
(AFC/AS-100)

AS-2 375200CW
The Science of Flight
(AFC/AS-200)

AS-3 375300CW
Cultural Studies: An Introduction to Global Awareness
(AFC/AS-300)

AS-4 375490HW
Management of the Cadet Corps
(AFC/AS-400)

• **Optional courses**

375101CW; 375201CW; 375301CW; 375491HW are continuations of the previously listed courses.

Northwestern and Rock Hill:

- **Aerospace Science (AS) Air Force Code (AFC)**

AS-1 375100CW
A Journey into Aviation History
(AFC / AS-100) Taught AY 10/11

AS-2 375200CW
The Science of Flight
(AFC / AS-210) Taught AY 11/12

AS-3 375300CW
Cultural Studies: An Introduction to Global Awareness
(AFC / AS-200) Taught AY 09/10

AS-4 375490HW
Management of the Cadet Corps
(AFC / AS-400) Taught every year

Optional Courses:

375101CW, 375201CW, 375301CW, and 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 SPS.

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.

• Introduction to Health Science **555400CW**

Includes an overview of therapeutic, diagnostic, health informatics, support services, and biotechnology research and development pathways in the health science career cluster. The course focuses on health careers exploration, healthcare systems roles, leadership,

employability, and communication skills. Students will develop a concept of health maintenance practices, safety, teamwork, and legal and ethical responsibilities. Extended Learning Opportunities shadowing activities may be implemented in this course. Subject matter will include career choices and application of health concepts related to becoming a healthcare professional. Students will learn temperature conversions, medical math, and may earn certifications for CPR and First Aid. *This course is a pre-requisite for Emergency Medical Services 1 and Health Science 1.*

- **Material Handling 1—Introduction 619001CW**

Provides 9th-10th grade students with essential knowledge, skills, and experiences related to career opportunities in the warehouse, distribution, logistics, transportation/automotive industries. Students will learn and work in authentic environments using industry standard equipment and procedures, as well as have opportunities to learn through field studies 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.

- **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 two years of a program may earn a certificate of completion.
- Courses may be one (1) credit or (2) credit classes.
- Some courses may offer the opportunity for Early College (the ability to earn both high school and college credit simultaneously.)
- Early College students may be required to pay fees for tuition, textbooks and/or supplies necessary for the class.
- 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 take a final assessment that is aligned with a related industry certification.

HEALTH & HUMAN SERVICES

•Cosmetology 1, 2, and 3

615000CD, 615100CD, 615200CD

Students must be in a junior homeroom. A supply kit fee will be required.

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 and hear presentations from professionals in the Cosmetology industry. Students prepare for examination and accumulate hours for licensing by the State Board of Cosmetic Art.

• Culinary Arts 1 and 2

572000CW, 572100CD

**PREREQUISITE: Foods and Nutrition 1
Supply fee will be required.**

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 will be exposed to a wide variety of food items which may create problems for students with food allergies.

• Teaching Fundamentals 1

570300CW

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.

• **Teaching Fundamentals 2** **570400CD**

PREREQUISITE: Introduction to Teaching 1

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.

• **Introduction to Health Science** **555400CW**

Includes an overview of therapeutic, diagnostic, health informatics, support services, and biotechnology research and development pathways in the health science career cluster. The course focuses on health careers exploration, healthcare systems roles, leadership, employability, and communication skills. Students will develop a concept of health maintenance practices, safety, teamwork, and legal and ethical responsibilities. Extended Learning Opportunities shadowing activities may be implemented in this course. Subject matter will include career choices and application of health concepts related to becoming a healthcare professional. Students will learn temperature conversions, medical math, and may earn certifications for CPR and First Aid. *This course is a pre-requisite for Emergency Medical Services 2 and Health Science 2.*

• **Emergency Medical Services 2** **553000CW**

PRE-REQUISITE: Introduction to Health Science

Teaches students about emergencies and how to overcome reluctance to act in emergency situations. The curriculum includes instruction in areas of legal and ethical issues, safety and infection control, healthy lifestyles, medical terminology, disaster preparedness, and injury prevention. Students will focus on anatomy and physiology of the body and associated technical skills related to caring for someone in an emergency situation. Students will learn to recognize emergencies in adults, children, and infants and to provide care until professional medical help arrives. Skills may include vital signs, adult/infant/child cardiopulmonary resuscitation (CPR), adult/child automated external defibrillation (AED), and First Aid.

• **Emergency Medial Services 3**

553100CW, 553101EW

PREREQUISITE: Emergency Medial Services 2 or Health Science 2

Students must pay \$244.33 tuition to earn dual credit through York Tech for AHS 116 or AHS 120.

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

• **Emergency Medial Services 4**

553100CW, 553101EW

PREREQUISITE: Emergency Medical Services 3

Students must pay \$224.33 tuition to earn dual credit through York Tech for AHS 116 or AHS 120.

Continues the development of skills necessary to become a first responder. The course focuses on the advanced technical skills for trauma care, maternal health, pediatric and geriatric emergencies, EMS operations and patient assessment. A clinical component may be included that would require students to provide their own transportation.

• **Health Science 2** **555000CW**

PRE-REQUISITE: Introduction to Health Science or EMS 2.

Provides students with the theory and practice for a variety of healthcare fields, including nursing, medicine, dentistry, physical therapy, radiology, and many others. Students will focus on anatomy and physiology of the body and associated skills include vital signs, CPR, First Aid, and Automated External Defibrillation.

• **Health Science 3** **55100CW and 555101EW**

PRE-REQUISITE: Health Science 2 or EMS 2.

Students must pay \$224.33 tuition to earn dual credit through York Tech for AHS 101, AHS 116, or AHS 120.

Develops students' technical skills to provide health care in a variety of setting. Students may earn Feeding Assistant Certification and begin the skills required to prepared for the Certified Nursing Assistant examination. Skills may 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.

animation, or any printed form of design, web design, advertising, photo restoration, professional photography and more. **This course meets the computer literacy graduation requirement.**

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

Focuses on animation concepts, storyboarding, character and story development, drawing, camera, scanning and editing skills. The curriculum also includes clay animation, basic 2-D animation, electronic music, and special effects. Students will use Adobe Flash CS 5.5, Adobe Photoshop CS 5.5, Frame by Frames, I can animate, garage band, and IMovie. **This course meets the computer literacy graduation requirement.**

• **Digital Art and Design 4: Introduction to Computer Animation** 612300CW

Encompasses advanced editing techniques using Adobe Photoshop 3D, Adobe Dreamweaver, and Adobe After Effects for creating motion graphics and visual effects. After Effects allows users to animate, alter, and composite media in 2D and 3D space. Concepts learned are a great foundation for post-production for television and filmmaking. **This course meets the computer literacy graduation requirement.**



Printing Technologies

• **Graphics and Printing Technology 1 and 2** 620000CW, 620100CD

Emphasizes offset lithography, flexography and screen-printing. The course includes instruction in print layout, photographic techniques, image conversion for printing, and operating offset and flexography presses. Modern equipment and the latest printing techniques are utilized. **This course meets the computer literacy graduation requirement.**



Media Technology

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

Students must pay \$336.50 tuition to earn dual credit through York Tech for RTV 103. 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, 612401EW

Students must pay \$336.50 tuition to earn dual credit through York Tech for RTV 105. 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** 612501CW, 612501EW

Students must pay \$336.50 tuition to earn dual credit through York Tech for RTV 107 and 110
PREREQUISITE: Video Production
Geared toward 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** **531003CW**

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. **This course meets the computer literacy graduation requirement.**

- **Introduction to Networking** **531004EW**

Location of course: York Technical College. This course will require payment of a tuition fee.

Focuses on networking concepts such as Local Area Networks, data cabling, Internet services, and networking devices. Students have the opportunity to observe actual networking applications in the classroom and in industry. Students begin preparation for industry certifications, Network+ and Cisco Certified Network Associate. This is a very rigorous course that requires strong time management skills and independent study outside class. **This course meets the computer literacy graduation requirement.**

CONSTRUCTION & ENGINEERING TECHNOLOGY

- **Introduction to Construction** **600109CW**

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, 609200CD, 609200ED

PRE-REQUISITE: Introduction to Construction
Students must pay \$224.33 tuition to earn dual credit through York Tech for BCT 105.

Prepares students to successfully work in the carpentry field by having the students build structures such as mobile classroom or storage units. Students learn to 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. Students should be able to climb and work at heights. OSHA safety certification may be earned. *Students should be able to climb and work at heights.*

- **Drafting 1 – Introduction to Drafting and Pre-engineering** **617001CW**

Provides the student who is interested 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 mechanical sketching, manual drafting, AutoCAD 2D Design software, Inventor Mechanical Software and Revit Architectural software. **This course meets the computer literacy graduation requirement.**

- **Drafting 2 – Engineering Graphics**
617100CW, 617101EW

PRE-REQUISITE: Drafting 1
Students must pay \$448.67 tuition to earn dual credit through York Tech for EGT 110.

Focuses 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. **This course meets the computer literacy graduation requirement.**

• **Drafting 3 – Mechanical Drafting**
617200CW, 617201EW

PRE-REQUISITE: Drafting 1 and 2
Students must pay \$448.67 tuition to earn dual credit through York Tech for EGT 115.

Focuses 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. **This course meets the computer literacy graduation requirement.**

• **Drafting 4 – Civil and Architectural Drafting**
617300CW, 617301EW

PRE-REQUISITE: Drafting 1 and 2
Students must pay \$448.67 tuition to earn dual credit through York Tech for EGT 225.

Focuses 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. **This course meets the computer literacy graduation requirement.**

• **Electricity 2 and 3**
628700CW, 628800CD, 628800ED

PRE-REQUISITE: Introduction to Construction.
Students must pay \$448.67 tuition to earn dual credit through York Tech for BC 105 and EEM 105.

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.

• **Welding Technology 1 and 2**
634000CW, 634100CD, 634001EW, 634101ED
Students must pay tuition to earn dual credit through York Tech; fees depend on which course credit is granted.

Focuses on torch cutting, stick welding, MIG welding, TIG welding, and plasma cutting. Students receive instruction in related blueprint reading, properties of metal, and safety. Students also work with hand and power tools, including state-of-the-art equipment such as a computerized plasma cutter.

• **Heating, Air and Refrigeration Technology 1**
600300EW

Students must pay tuition to earn dual credit through York Tech; fees depend on which course credit is granted. Course is on York Tech campus.

Focuses on the design, installation, maintenance and repair of heating and air conditioning systems. A strong emphasis is placed on systems controls and electrical components of related systems. Residential and commercial heating and cooling installation is taught through on-the-job training.

• **Machine Tool Technology 1** 623000EW

PRE-REQUISITE: Instruction to Construction
Students must pay tuition to earn dual credit through York Tech; fees depend on which course credit is granted. Course is on York Tech campus.

Covers the principles involved in the production of precision metal parts. Upon successful completion of this course, the student will be able to: 1) select, use, and care for various types of precision measuring tools; 2) select the proper tooling for various machining operations; and 3) calculate and set the proper speeds and feeds for turning various metals.

• **Masonry 1 and 2** 625000CW, 625100CD
PRE-REQUISITE: Introduction to Building 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.

MARKETING & FINANCE

• **Business and Personal Finance** 527300CW
Introduces the student to the basic elements of finance: budgeting, obtaining credit, maintaining checking accounts, computing payroll, recording business

transactions and applying computer operations to financial management.

• **Advertising** **547000CW**
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**
Explores 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

• **Marketing** **542100CW**
Introduces 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 course prepares 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** **543100CW, 54101EW**
PREREQUISITE: Marketing or Merchandising
Students must pay \$336.50 tuition to earn dual credit through York Tech for MKT 101.
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**
Introduces 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. The basics of four subject areas of automotive will be introduced, that include: steering and suspension, electricity and electronics, brakes and hydraulic systems, and engine performance.

• **Automotive Service Technology 2 & 3**
603000CW, 603100CD
PRE-REQUISITE: Introduction to Transportation for Automotive Technology 2 and Automotive Technology 2 for Automotive Technology 3

Prepares the student for entry-level employment in the automotive industry or for greater success in a post-secondary automotive school. Level 1 and 2 students will advance in the four areas and apply the learning to actual vehicles. Course content includes writing, math and science curriculum. Students will have classroom and lab activities including lecture, research, and writing assignments, and hands-on experiences involving tools, equipment, and a variety of vehicles. Safety is an important competency in this class, and students must pass a safety test to work in the lab. Students in Level 3 will work towards a work-based learning opportunity to further their training in a workplace setting.

• **Collision Repair and Refinish 2 and 3**
602000CW, 602100CD
PRE-REQUISITE: Introduction to Transportation for Collision Repair 2 and Collision Repair 2 for Collision Repair 3

Prepares students for employment in auto body-related areas such as body service, automobile damage claims, or insurance. Training includes instruction and hands-on opportunities in the repair of automobile structures and systems, with emphasis on metal, painting and plastic body repair. Body repair and refinishing includes painting and the proper use of the correct tools to complete the process in a state of the art facility.

- **Material Handling 1 – Introduction 619001CW**

Designed specifically for 9th and 10th grade students to provide them with essential knowledge, skills, and experiences related to career opportunities in the warehouse, distribution, logistics, 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.

- **Material Handling 2 – Warehouse Distribution 619002CW**

PREREQUISITE: Material Handling 1

Actively engages 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.

- **Material Handling 3 – Warehouse Inventory 619003CW**

PREREQUISITE: Material Handling 1, Material Handling 2

Introduces 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.

- **Material Handling 4 – Work-Based 619004CW**

PREREQUISITE: Material Handling 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**

63000CW, 630100CD

PRE-REQUISITE: Introduction to Transportation for Small Engines Technology 2 and Small Engines Technology for Small Engines Technology 3

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.

AGRICULTURAL SCIENCE

- **Greenhouse and Nursery Management**

567200CW

Designed 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

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**
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**
Designed 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.

**EARLY COLLEGE
COURSES AT THE
APPLIED TECHNOLOGY CENTER**

Health and Human Services:

Emergency Medical Services 3 or 4 – AHS 120, AHS 116
Health Science 2 – AHS 101, AHS 116, AHS 117, AHS 120
Medical Terminology – AHS 102, AHS 116

Information and Communication Technology

Media Technology: Video Production – RTV 103
Media Technology: Studio Production – RTV 105
Media Technology: Advanced Video Production – RTV 107, RTV 110

Construction and Engineering Technology

Construction Engineering 3 – BCT 105
Drafting 2 – EGT 110
Drafting 3 _ EGT 115
Drafting 4 - EGT 225
Electricity 3 – BCT 105, EEM 105
Heating, Air & Refrigeration – ACR 102, ACR 108
Machine Tool Technology – MTT 121, MTT 122
Welding 1 – EGT 114, WLD 104
Welding 2 – EGT 117, WLD 111, WLD 113

Marketing & Finance

Marketing 2 – M



ROCK HILL
Schools

YORK COUNTY DISTRICT THREE