

# DISTRICT INFORMATION

(2017-2018)

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## York School District One Mission

Working with the community, we will provide a diverse, innovative education in a safe environment enabling students to become responsible citizens in a global society.

## York School District One Beliefs

- Learning is a life-long, ever-changing process.
- Each child is unique and should have the opportunity to reach his/her full potential.
- A safe, orderly and nurturing environment is essential for learning.
- Education is a cooperative effort between schools and the community
- Technology enhances teaching and learning and should be current.

## Nondiscrimination Policies

York School District One offers equal opportunities for admission to students and employment for personnel. The programs and activities of the district are offered equally to all students without regard to race, color, national origin, religion, age disability or sex. Inquiries should be directed to the following:

Oliver Love  
PO Box 770  
York, SC 29745 or 803.684.9916



# PROFILE OF THE SOUTH CAROLINA GRADUATE

## WORLD CLASS KNOWLEDGE

Rigorous standards  
in language arts and  
math for career and  
college readiness

Multiple languages,  
science, technology,  
engineering,  
mathematics(STEM)  
arts and social  
sciences

## WORLD CLASS SKILLS

Creativity and  
innovation

Critical thinking and  
problem solving

Collaboration and  
teamwork

Communication,  
information, media  
and technology

Knowing how to  
learn

## LIFE AND CAREER CHARACTERISTICS

Integrity

Self-direction

Global Perspective

Perseverance

Work Ethic

Interpersonal skills



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# Academic Planning

## State Graduation Requirements

To be eligible to receive a South Carolina High School Diploma, students must:

- Earn 24 required units as listed below.
- Complete the health requirement.

The course requirements to receive a South Carolina High School Diploma for students in Grades 9 through 12 are as follows:

English*	4 Units
Mathematics*	4 Units
Science*	3 Units
U.S. History*	1 Unit
Economics	½ Unit
Government	½ Unit
Other social studies	1 Unit
Computer science**	1 Unit
Physical education or NJROTC	1 Unit
Foreign language or Career and Technology	
Education elective***	1 Unit
Electives	7 Units
Total Required	24 Units

\*Students must successfully complete an end-of-course-test in English, math, science and history for graduation.

\*\*The courses that count for computer science in York School District One include the following:

- Advertising
- Computer Applications (1/2)
- Computer Integrated Manufacturing
- Computer Programming
- Digital Desktop Publishing
- Digital Electronics (DE)
- Digital Multimedia
- Google Applications
- Integrated Business Applications
- Introduction to Engineering Design (IED)
- Keyboarding (1/2)
- Mechanical Drafting and Design
- Networking
- Principles of Engineering (POE)
- Social Media in Business
- Web Page Design and Development
- Microcomputer CPT 170

\*\*\*All students must earn one unit of foreign language or one unit in the technology center (in addition to the computer science unit).

State law also requires a **health program** that will include at least 750 minutes of instruction in reproductive health education and pregnancy prevention education with instruction that adoption is a positive alternative. Comprehensive Health is taught as part of the PE1 and NJROTC1 curriculum.

## South Carolina Uniform Grading Policy

Numerical Average	Letter Grade	College Prep	Honors	AP/IB/ Dual Credit
100	A	5.000	5.500	6.000
99	A	4.900	5.400	5.900
98	A	4.800	5.300	5.800
97	A	4.700	5.200	5.700
96	A	4.600	5.100	5.600
95	A	4.500	5.000	5.500
94	A	4.400	4.900	5.400
93	A	4.300	4.800	5.300
92	A	4.200	4.700	5.200
91	A	4.100	4.600	5.100
90	A	4.000	4.500	5.000
89	B	3.900	4.400	4.900
88	B	3.800	4.300	4.800
87	B	3.700	4.200	4.700
86	B	3.600	4.100	4.600
85	B	3.500	4.000	4.500
84	B	3.400	3.900	4.400
83	B	3.300	3.800	4.300
82	B	3.200	3.700	4.200
81	B	3.100	3.600	4.100
80	B	3.000	3.500	4.000
79	C	2.900	3.400	3.900
78	C	2.800	3.300	3.800
77	C	2.700	3.200	3.700
76	C	2.600	3.100	3.600
75	C	2.500	3.000	3.500
74	C	2.400	2.900	3.400
73	C	2.300	2.800	3.300
72	C	2.200	2.700	3.200
71	C	2.100	2.600	3.100
70	C	2.000	2.500	3.000
69	D	1.900	2.400	2.900
68	D	1.800	2.300	2.800
67	D	1.700	2.200	2.700
66	D	1.600	2.100	2.600
65	D	1.500	2.000	2.500
64	D	1.400	1.900	2.400
63	D	1.300	1.800	2.300
62	D	1.200	1.700	2.200
61	D	1.100	1.600	2.100
60	D	1.000	1.500	2.000
59	F	0.900	1.400	1.900
58	F	0.800	1.300	1.800
57	F	0.700	1.200	1.700
56	F	0.600	1.100	1.600
55	F	0.500	1.000	1.500
54	F	0.400	0.900	1.400
53	F	0.300	0.800	1.300
52	F	0.200	0.700	1.200
51	F	0.100	0.600	1.100
0-50	F	0.000	0.000	0.000
FA	-	0.000	0.000	0.000
WF	F	0.000	0.000	0.000
WP	-	0.000	0.000	0.000

By State Law, any transferring letter grade earned (including those for Dual Credit Courses) will be converted to a number grade on the following scale:  
A = 95, B = 85, C = 75, D = 65, F = 50.

## Class Rank Calculation

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. Grade Point Average (GPA) is calculated using the following formula:

$$\text{GPA} = \frac{\text{Sum of quality points from each grade earned}}{\text{Sum for units attempted}}$$

Once a GPA has been computed for all students, all grade point averages 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. Class rank is calculated at the end of each semester. All GPA calculations for the purpose of determining class rank are calculated at the end of the school year prior to graduation. Honors and awards are determined by the final class rank.

## Attendance Requirements

Student attendance laws require the following days present to receive credit - provided the student receives a passing grade in the course:

In a 45-day course, a student must attend 42 days.

In a 90-day course, a student must attend 85 days.

In a 180-day course, a student must attend 170 days.

Students who exceed the approved limits for unexcused absences do not receive credit in the course.

## Promotion Standards and Criteria Classification of Students

### *Grades 9-12*

Minimum requirements have been established for promotion from one grade to the next. Students enter 9<sup>th</sup> grade if they are promoted or advanced from 8<sup>th</sup> grade. Requirements for promotion to the 10<sup>th</sup> through 12<sup>th</sup> grade are listed below.

### *Sophomore, Grade 10 (5 Credits)*

To be classified as a tenth grader, a student must have earned a minimum of 5 units of credit, including two of the following courses: English, Mathematics or Science.

### *Junior, Grade 11 (10 Credits)*

To be classified as an eleventh grader, a student must have earned a minimum of ten units of credit, including at least two units in English, two units in mathematics, and one unit in science.

### *Senior, Grade 12 (16 units)*

To be classified as a twelfth grader, a student must have earned a total of 16 units of credit, including at least three units in English, three units in mathematics, one unit in science, and one unit in social studies.

Fourth year students may be classified as a senior if they have earned a minimum of sixteen credits and are enrolled in course work which will allow them to complete all requirements for graduation.

**NOTE: Students must be enrolled in at least one English and one math course each of the four years of high school.**

## High Schools That Work (HSTW) Curriculum Alignment

HSTW recommends a curriculum that students need to complete to ensure they are "college ready." York School District One recommends this curriculum for all students. The HSTW curriculum is very closely aligned with the requirements of the Commission on Higher Education (CHE) for entering college in South Carolina, as listed below.

The HSTW curriculum is noted with a ♦ sign.

## SC College Admissions Requirements

The Commission on Higher Education (CHE) has established the minimum course requirements for students who plan to attend a public college in South Carolina.

- Four units of college prep English (or English at the honors/AP level).
- Four units of college prep mathematics: These include Algebra 1, Algebra 2 and Geometry. A fourth higher level math should be selected from Algebra 3, Pre-calculus, Probability and Statistics, or Calculus.
- Three units of laboratory science: Two units must be taken in two different fields and be selected from among biology, chemistry or physics. The third unit may be from the same field as one of the first two units (biology, chemistry or physics) or a course that requires biology and/or chemistry as a prerequisite. Physical Science DOES NOT count as a lab science to meet the CHE requirement.

Two units of the same foreign language: Clemson requires three units of the same foreign language. The College of Charleston requires three units, but will accept them in two different languages.

- Three units in Social Science: One unit of US History, a half unit of government and a half unit of economics are required.  
One unit of Fine Arts: One unit in Appreciation of, History of, or Performance in one of the fine arts (Band, Chorus, Drama, or Visual Arts).

Elective: One unit of college preparatory elective credit in Computer Science is strongly recommended for this elective. Other acceptable electives include English, fine arts, foreign language, humanities, lab science (excluding Physical Science), or math above Algebra 2.

One unit of Physical Education or NJROTC.

- In addition, HSTW recommends 4 units in a concentration – either in a career & technology area or in an academic concentration.



## Early Graduation Procedures

The board and administration support a full high school program including a minimum four-year course of study. However, the board and administration recognize that occasionally early graduation is the best option for a student. If a student chooses to apply for early graduation the student must contact the school counselor no later than the end of the 3rd nine weeks of the third year of high school in accordance with policy IHFA. Students who graduate at the end of the first semester are no longer YCHS students, and are therefore not eligible to attend prom.

*If you are planning to be an early graduate who will complete high school diploma requirements after 1st semester of your senior year, see your counselor about options/procedures for enrolling in a post-secondary program for 2nd semester*

## Special Education

Special education courses provide instruction in vocational, remedial and social skills to qualified students. Students qualifying for special education services must meet requirements set forth by the South Carolina Department of Education. Due process procedures are followed for eligibility and placement in special services programs. An individual educational plan (IEP) is designed for each student.

Services are provided for students with the following qualifying conditions: Autism, Deaf and Hard of Hearing, Deaf-blindness, Developmental Delay, Emotional Disabilities, Intellectual Disabilities, Multiple Disabilities, Orthopedic Impairment, Other Health Impairment, Specific Learning Disability, Speech-Language Impairment, Traumatic Brain Injury and Visual Impairment.

Students receive services through monitoring, inclusion/co-teaching models, content mastery classes, Support II or III programs or itinerant arrangements. Functional skills are emphasized to promote a smooth transition from school to work.

Special education students who are in the diploma program must earn 24 units to receive a high school diploma. (Special education courses count as electives.) Special education students who are in the Occupational Credential program must earn 24 units in academic, vocational, school and community based internships and functional living skills. A special education attendance certificate is also available to special education students.

## NCAA Eligibility Criteria

The National Collegiate Athletic Association (NCAA) sets policies regarding athletic eligibility for Division I and Division II schools. To be eligible for financial aid, practice and competition during the freshman year, students must: (1) graduate from high school; (2) present a minimum combined test score on the SAT or a minimum combined score on the ACT according to a sliding scale using the GPA from core courses; and (3) present a minimum GPA in at least 16 core courses in subject areas as defined by the NCAA. Students planning to participate in athletics at Division I or Division

II colleges or universities must be certified by the NCAA Eligibility Center. Students should apply for certification early in their junior year. Student Release Forms needed for this process are available on the NCAA Eligibility Center Web site at: [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

**Note: New NCAA guidelines state that Credit Recovery courses WILL NOT count toward college athletic eligibility!**

Interscholastic Activities Eligibility and Participation Guidelines (Athletics, Band, and Chorus)

### Eligibility Guidelines

A. All students interested in participation in interscholastic activities must be enrolled as a full-time student as determined by guidelines set forth by the State Department of Education. *A student who is repeating a course for which previous credit has been received (considered as monitoring a course under eligibility rules) cannot count the course towards full-time status eligibility.*

B. Students must satisfy eligibility requirements in the semester preceding participation.

- A course that is dropped after the 20th day of a semester with a failing average will be considered as a failed course when determining academic eligibility for the following semester
- Credit courses used for eligibility purposes must be courses that are applicable for credit toward a state high school diploma. A student may also use college credit courses provided the student has met or is meeting all requirements for graduation.
- Academic deficiencies may not be made up through enrollment in adult education programs.
- Credits earned in summer school approved by the State Department of Education may apply for first semester eligibility. A maximum of two units per year may be used.
- A maximum of two credit recovery units may be used toward eligibility, to include the two units presently allowed in summer school. The course would have to be accepted by the State Department of Education for graduation and accredited by a certified teacher in that field. To be eligible for credit recovery credits, the student must have earned a minimum grade of 50 in the course first attempt.
- Students eligible for a first semester sport will be permitted to complete that sport even if it extends into the second semester. Under the current League program, this will apply to participants in basketball and wrestling in the high school and middle school programs.

C. A student must not have received a high school diploma or its equivalent.

D. Schools will follow the procedures outlined in the School Administrators Guide, published by the State Department of Education, in accepting or rejecting credits received by a student while the student is enrolled in private schools, including home schools and/or out of state schools.

## Participation Guidelines

### Participation Guidelines for Students in Grade 9-12

To be considered eligible to participate in interscholastic activities students in grade 9-12 must satisfy all eligibility requirements in the semester preceding participation:

1. Achieve an overall passing average
2. Meet Semester Eligibility Criteria
  - a. **First Semester Eligibility:** Student earned a minimum of five Carnegie units applicable toward a high school diploma during the previous year of which at least two units have been passed during the second semester or Summer school.
  - b. **Second Semester Eligibility:** Student must meet one of the following conditions -
    - i. If first semester eligibility requirements were met; student must also pass the equivalent for four, 1/2 unit credit courses during the first semester.
    - ii. If first semester eligibility requirements were not met; student must pass the equivalent of five, 1/2 unit credit courses during the first semester.

#### For Example

##### Traditional or A/B Block Schedule

If eligible first semester, student must pass four subjects.

If not eligible first semester, student must pass five subjects.

##### 4x4 Block Schedule (units or 1/2 units are granted at the end of the first semester)

If eligible first semester, student must earn 2 units.

If not eligible first semester, student must earn 2 1/2 units.

3. Special Circumstances (Eligibility of Handicapped Students)
  - a. Students diagnosed as handicapped and being served in a non-diploma program shall be considered eligible for participation in interscholastic activities if he/she is successfully meeting the requirements of his/her Individual Education Plan (IEP)
  - b. Student diagnosed as handicapped and being served in a program leading to the state participation in interscholastic activities.

### Academic and Participation Requirements 7th, 8th, and first semester 9th Grade Students

1. Students who have been academically promoted in the sixth, seventh, and eighth grades (not by social promotion or placement) are considered to have met the requirements for academic eligibility for the first semester.
2. Students in grades seven and eight must be meeting the school district promotion policy at the end of the first semester in order to be eligible for second semester. *Second semester ninth grade students must meet League academic regulations.*
3. A seventh or eighth grade student who is repeating a grade shall not be eligible during a school year if academic requirements for promotion were not met during the previous year. **NOTE:** *A student failing seventh or eighth grade is eligible during second semester if he/she has satisfactorily passed first semester work.*

## Specialized Diplomas/Awards

### Diploma with Distinction

To qualify the student must:

1. Complete all requirements for a South Carolina High School Diploma.
2. Complete 28 units of high school credit including 4 units of English, 4 units of math, 4 units of science, 4 units of social studies with no grade lower than a C.
3. Earn 4 units within a selected major.
4. Participate in one school activity each year in grades 9-12 or complete 100 hours of community service during grades 9-12.

\* Gold Level recognition requires a 4.2 GPA, and Silver Level requires a 3.75 GPA

**Students who have a history of misbehavior or who have shown a flagrant disregard for school/district rules WILL NOT be eligible for a Diploma with Distinction.**

### Graduation and Academic Honor Awards

In order to participate in the graduation ceremony, seniors must have completed all course requirements for a diploma and be enrolled as a full-time student 2nd semester. In addition, those students who are approved to graduate at the end of first semester may participate in the graduation ceremony.

### Valedictorian/Salutatorian

The student who has earned the highest GPA in the senior class at the end of the senior year will be named Valedictorian. The student who has earned the second highest GPA at the end of the senior year will be named Salutatorian. Students must be enrolled on the first day of the senior year to be eligible for these honors. These two students will deliver commencement addresses, receive a medal honoring their achievement, and lead the graduates in the processional at graduation.

### YCHS Honor Graduates

Seniors with an overall Grade Point Average (GPA) of 4.2 at the end of the senior year are recognized as honor graduates. Honor graduates march following the students receiving the State Academic Honor Awards at graduation and wear a gold tassel.

### State Academic Honor Awards

The State of South Carolina recognizes students who have earned the following:

1400 SAT/31 ACT by April of the graduating year and 24 units to earn a diploma

**OR**

710 SAT verbal or 690 SAT math; 30 ACT English or 33 ACT Math by April of the graduating year

**AND**

completion of required units with no grade lower than a B (4 English, 4 Math, 3 Lab Science, 3 Social Studies, 1 Computer Science, 1 PE, 2 Foreign Language, 4 Electives, 2 extra English/Math /Science/ Social Studies).



These students follow the Valedictorian, Salutatorian, Class President, and Student Body President in the graduation procession and are verbally recognized during the graduation ceremony. In addition, the state provides a certificate of recognition.

## Honor Societies

YCHS sponsors a chapter of the National Honor Society. Students are eligible for membership in the 11th and 12th grade if they earn and maintain a cumulative 4.2 GPA or higher and are in good academic standing with good discipline records.

FDJTC sponsors a chapter of the National Technical Honor Society. Membership is limited to 11th and 12th grade students who have completed at least two technology courses in an area and are enrolled in a third. These students must have a 3.87 GPA in Technology Center courses, a 3.87 overall GPA, follow the attendance policy and have no suspensions on their discipline record. The students must be an active member in a FDJTC club.

The academic area honor societies include French, Spanish, Math, and English. Criteria are found in the Agenda handbook or may be obtained from any teacher in that academic area.

## South Carolina State Merit Scholarships and Tuition Assistance

The State of South Carolina provides scholarships and tuition assistance to students attending in-state colleges and universities. For more information and details, please visit the website for the SC Commission on Higher Education at [www.che.sc.gov](http://www.che.sc.gov) and click on the tab for Student and Parents. A summary of the criteria follows.

*Palmetto Fellows Scholarship – SC public and private colleges*  
\$6700 for 1st year, then \$7500 for last 3 years; awarded to all who qualify. Application required. Early award deadline - December 15; late award deadline - June 15.  
Must meet all criteria:

- 1200 SAT or 27 ACT (SAT = CR+M scores)
- Top 6% of the class at the end of the 10th or 11th grade; or 12th grade for late award with 3.5 GPA
- 1400 SAT or 32 ACT and a 4.0 GPA

*Enhanced Palmetto Fellows* - \$10,000 for sophomore-senior year. In addition to meeting the other requirements for Palmetto Fellows, the student must: Declare an interest in a math, science, computer science, engineering, math/science education major when they apply and complete required 14 credit hours of courses as a freshman.

*LIFE Scholarship* – \$4700/year plus \$300 book allowance to attend 4-year in-state public or private college; full tuition and fees for technical college; or 2-year college plus a \$300 book allowance awarded to all who qualify. No application required. Must meet 2 of the 3 criteria for 4-year colleges:

- 3.0 GPA
- 1100 SAT or 24 ACT, (not required for the 2-year or technical colleges) (SAT = CR+M scores)
- Top 30% at the end of the senior year (not required for 2-year or technical college)

*Enhanced LIFE* - \$7500 for sophomore to senior year  
In addition to meeting the other requirements for LIFE Scholarship, the student must: Declare an interest in a math,

science, computer science, engineering, math/science education major when they apply complete required 14 credit hours of courses as a freshman.

*South Carolina HOPE Scholarship* - \$2800 to 4-year colleges. One year scholarship to graduates with a 3.0 GPA who are going to a 4-year college but don't meet the LIFE criteria. This scholarship from the proceeds of the Education Lottery is offered year-to-year based on the lottery funds available.

*Lottery Tuition Assistance* – funds available to technical and 2-year colleges for students who do not qualify for the LIFE Scholarship. When the students file the FAFSA form, they are considered for these funds. The amount varies each year.

## Academic Support and Acceleration

The academic program at the high school offers multiple paths for students to engage in rigorous and challenging coursework as well as provides a flexible program of options designed to keep students on track for graduation. Regardless of academic ability, all students can receive needed extra time and extra support through the Academic Reinforcement Center and the High School to College and Career transition programs and services available.

## Academic Reinforcement Center

The Academic Reinforcement Center (ARC) is an important “extra time and extra support” resource that is accessible to all YCHS/FDJTC students. Students are encouraged to take advantage of the wide variety of opportunities for academic assistance and college entrance examination preparation support available before, during, and after school through the Academic Reinforcement Center. The Center serves students who need additional support to master content or complete assignments as well as those who working on Credit Recovery and Initial or Advanced Placement coursework, preparing for Exit or End-of-Course exams, or practicing for college and career entrance exams (SAT, ACT, COMPASS, ASVAB and Work Keys Certification). Home access to some programs can be arranged as well. See your school counselor or the ARC Director for more information.

## High School to College and Career Transitions

*College and Career readiness is an expectation and a goal for all students regardless of their educational or career aspirations. To be successful in the service, information, and technology-based global economy, workers need the skills and credentials that postsecondary education provides. Given the long term course taking and postsecondary planning that college and workplace readiness requires, students must begin the college readiness process...Early. (College Readiness ACT Policy Report, 2005.)*

The “High School to College and Career” transition program is designed to increase student readiness for the academic rigor of college and career expectations. Students are encouraged to take challenging coursework to build the skills required to successfully master college-level and career preparation coursework. Dual credit and Advanced Placement (AP) coursework are rigorous options that offer an opportunity to

earn college credit within the support structure of the high school. Online AP courses are offered through Apex Learning and the South Carolina Virtual School (SCVS). The Western York County Middle College is an additional avenue for pursuing college credit for qualifying students. Interested students should talk with their school counselor about these options and the necessary steps to follow to pursue admittance into dual credit option programs.

## Dual Credit Course Options

Dual credit courses are those courses for which the student has been granted permission by their home school to earn both Carnegie units required for a state high school diploma and college credit. The student must apply and be admitted to the college before they will be approved to take courses for dual credit. **Courses considered for dual credit purposes must be approved by the school district.**

No courses for which state-administered end-of-course exams are given will be approved for dual credit. Career Technology courses are the exception to this rule with approval by administration.

York Comprehensive High School participates in four dual credit programs and many of the college courses are offered on the high school campus. Dual credit courses are through York Technical College, USC-Col, and Winthrop University. Students who are interested in enrolling in a dual credit course must meet all college entrance and specific program criteria as specified by the individual institutions.

## York Technical College

The York Technical College program offer students who qualify the opportunity to earn college credit through courses taught on the high school campus. The courses are taught by college instructors or YCHS teachers.

Students may be required to pay a college registration or course fee and may be required to purchase the required textbooks. To participate in any dual credit program, students must meet specified criteria established by the college. A three-hour dual credit college course may transfer as one Carnegie unit of credit toward the requirement for a South Carolina High School Diploma.

## Winthrop University

Through a cooperative agreement with Winthrop University, qualified seniors may be able to earn dual credit in high school by enrolling in Teacher Cadet. Students must have a **3.0** overall GPA to qualify for enrollment. Upon successful completion of the course, three semester hours of college credit and one unit of high school credit will be awarded. As with any college course, students may be required to purchase a textbook and any other materials needed for the course. **Students also pay a \$55 enrollment fee as required by Winthrop University.** Winthrop determines the content of the course and the grading procedures. Students must understand that since Winthrop offers the course, they have the final say regarding who receives college credit at their institution; the same is true for other colleges who set their rules for accepting college transfer credit for courses like Teacher Cadet.

## USC-College of Engineering and Computing

The University of South Carolina College of Engineering and Computing offers the opportunity for students enrolled in Project Lead the Way (PLTW) courses to earn undergraduate college credit. USC requires students to have an overall "B" or SAT Critical Reading + Math score of 1100, or equivalent ACT Composite score of 24, or PSAT score of 110, receive at least an 85 percent average in the course and a score 70 (70-79=C, 80-89=B, 90 and above is an A) or above on the end-of-course exam. They also must take the PLTW College Level Examination upon completion of each course to be eligible to apply for undergraduate credit. Courses available for credit are ELCT 101 Digital Electronics (DE), ENCP 101 Principles of Engineering (POE), and EMCH 111 Introduction to Engineering Design (IED). A three-hour college course may transfer to the high school as one Carnegie unit of credit toward the requirement for a South Carolina High School Diploma. Students may be required to pay college registration and course fees, PLTW College Level Examination testing fees, and purchase their textbooks. Contact your guidance counselor for more information about enrollment.

## Project Lead the Way Courses (PLTW)-University of South Carolina

### ELCT 101: Digital Electronics (DE)

Students use computer simulations to learn about the logic of electronics.

### ELCT 111: Introduction To Engineering Design (IED)

This is a pre-engineering course that introduces students to engineering and helps them develop problem solving skills used in the field of engineering.

### ENGR 101: Principles of Engineering (POE)

This course is a survey course designed to help students understand the field of engineering following the PLTW curriculum.

### *Required for college credit for the PLTW courses:*

An overall "B" average (3.0) or SAT score of 1100, and at least a course average of 85%, and score 70 or above on the PLTW college credit exam.

By enrolling in a dual credit course, students should be aware that they are establishing an official college transcript; consequently, it is important that they have the time to devote to the class. While Winthrop University/York Technical College awards three semester hours upon successful completion of one of these courses, they cannot guarantee the acceptance of any credit at another college. If a student plans to attend a college or university other than Winthrop University or York Tech, he/she must be aware of the school's policy and procedure for receiving transfer credits. **Additional information about how courses transfer can be found at [www.sctrac.org](http://www.sctrac.org).**

Interested students should work closely with their counselor to determine the appropriateness of any of these courses and the necessary steps to follow if they choose to pursue admittance to this program.



## Enrollment Requirements

***Any student that has a 3.0 GPA qualifies for dual credit classes. (except for Math courses) If a student has a GPA lower than a 3.0 than he/she will need the required test scores below.***

Minimum qualifying scores for dual-credit college-level course:

<i>Reading</i>	<i>Math (Associate Degree)</i>
ACCUPLACER (75)	ACCUPLACER (50)
SAT V (480)	SAT Math (400)
ACT Reading (21)	ACT (Math (16)

<i>Writing</i>	<i>Math (4 Year College Transfer)</i>
ACCUPLACER (75)	ACCUPLACER (50)
SAT (480)	SAT Math (570 or higher)
ACT Reading (21)	ACT Math (23 or higher)

Students must be officially admitted to the college.

- Courses taken through dual enrollment will be included in the student's GPA/rank and weighted as Dual Credit/Advanced Placement (AP)/International Baccalaureate (IB) in accordance with the South Carolina Uniform Grading Policy.
- A three-hour credit college course transfers as one (1) high school unit of credit.
- A minimum qualifying score on the ACCUPLACER placement tests, ACT, or SAT are required for enrollment in dual credit courses.

York School District One - DUAL CREDIT ENROLLMENT REQUIREMENT

**Career and Technology**

\*YSD1 score requirement is in addition to the program, college or university requirements for course enrollment.

FDJTC	York Tech	ACCUPLACER Qualifying Scores		SAT/ACT Qualifying Scores		
COURSE	COURSE	READING	PRE-ALG	SAT CR	ACT ENG	
Automotive 1	AUT 133	57	NA	NA	NA	
Bldg Construction 2	BCT 105	57	NA	NA	NA	
Bldg Construction 4	BCT 106	57	NA	NA	NA	
Machine Tool	MTT 111	57	NA	NA	NA	
Welding	WLD 111	57	NA	NA	NA	
Mech. Drafting	EGT 110	57	90	NA	NA	
Accounting 2	ACC 111	57	NA	480	21	
Health Science 2	AHS 117	57	NA	NA	NA	

**General Studies Courses**

YCHS	College/ University	ACCUPLACER Qualifying Scores		SAT/ACT Qualifying Scores		
COURSE	COURSE	READING	MATH	SAT CR	ACT ENG	
Biological Science 1	BIO 101			480	21	
Biological Science 2	BIO 102			480	21	
Intro Criminal Justice	CRJ 101			480	21	
Criminal Law	CRJ 115			480	21	
English	ENG 101	>75	NA	480	21	
English	ENG 102	Must have earned a grade of "C" or better in ENG 101				
Microcomputer Appl	CPT 170					
Psychology	PSY 201			480	21	
Political Science	POLI 201			480	21	
Public Speaking	SPC 205					
Western Civilization	HIS 101					

**General Studies Courses - Mathematics**

YCHS	College/ University	ACCUPLACER Qualifying Scores		SAT/ACT Qualifying Scores		
COURSE	COURSE	READING	MATH	SAT MATH	ACT MATH	
College Algebra	MAT 110	NA	50	>570	>23	
Probability & Statistics	MAT 120	NA	50	>540	>23	

**Special Programs**

YCHS	College/ University	SAT/ACT Qualifying Scores		State of SC Program Criteria	
COURSE	COURSE	SAT CR	ACT ENG		
Middle College (YTC)	COL 105	480	21		
Teacher Cadet (WU)	TC 175	NA	NA	3.0 GPA, Essay, 5 Recommendations	

## Dual Credit Course Descriptions & Placement Criteria

*All courses require students to have a minimum 3.0 GPA overall to enroll. Courses can be added or deleted as determined by participating colleges/universities.*

### ENG 101: English Composition I

This is a course in which the following topics are presented: a study of composition in conjunction with appropriate literacy selections, with frequent themes assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

*Credit:* College – 3 hours; High School – 1 unit English

### ENG 102: English Composition II

This is a (college transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included.

*Credit:* College – 3 hours; High School – 1 unit English

### BIO 101: Biological Science I

This course is the first of a sequence introducing biology. Topics include the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, mendelian genetics, population genetics, natural selection, evolution, and ecology.

*Credit:* College – 4 hours; High School – 1 unit Science

### BIO 102: Biological Science 2

This is a continuation of introductory biology which includes classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Vertebrate animals and vascular plants are emphasized.

*Credit:* College – 4 hours; High School – 1 unit Science

### CPT 170: Microcomputer Applications

This course introduces microcomputer application software including word processing databases, spreadsheets, graphs, and their integration.

*Credit:* College – 3 hours; High School – 1 unit Computer Science

### CRJ 101: Introduction to Criminal Justice

This course includes an overview of the functions and responsibilities of agencies involved in the administration of justice to include police organizations, court systems, correctional systems, and juvenile justice agencies.

*Credit:* College – 3 hours; High School – 1 unit Social Studies

### CRJ 115: Criminal Law

This course covers the development of criminal law in America. The basic elements of specific criminal offenses, criminal defenses and various legal principles upon which criminal law is established are reviewed.

*Credit:* College – 3 hours; High School – 1 unit Social Studies

### HIS 101: Western Civilization to 1689

This course is a survey of Western Civilization from ancient times to 1689, including the major political, social, economic, and intellectual factors shaping western cultural tradition.

*Credit:* College – 3 hours; High School – 1 unit Social Studies

### MAT 110: College Algebra

This course includes the following topics: polynomial, rational, logarithmic and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; simple linear programming; solutions of higher degree polynomials; combinatorial algebra, including the binomial theorem; and introduction to probability. (Graphing calculator required)

*Credit:* College – 3 hours; High School – 1 unit Mathematics

### MAT 120: Probabilities and Statistics

This course includes the following topics: introductory probability and statistics, including organization of data, sample space concepts, random variables, counting problems, binomial and normal distributions, central limit theorem, confidence intervals and test hypothesis for large and small samples; types i and ii errors, linear regression; and correlation.

*Credit:* College – 3 hours; High School – 1 unit Mathematics

### PSY 201: General Psychology

This course includes the following topics: an introduction to the basic theories and concepts in the science of behavior, scientific method, biological bases for behavior, perception, motivation, learning memory, development, personality, and abnormal behavior.

*Credit:* College – 3 hours; High School – 1 unit Social Studies

### PSC 201: American Government

This course is designed to introduce you to the study of American government and politics. The course will examine the constitution and characteristics of American democracy, the basic structure and functions of the three branches of government (Presidency, Congress, Judiciary), as well as significant actors in the U.S. political system (e.g., political parties, interest groups, news media). This course is paired with a semester-long Economics Honors course.

*Credit:* College – 3 hours; High School – 1 unit of American Government and .5 unit of Economics.

### SPC 205: Public Speaking

This course is an introduction to principles of public speaking with application of speaking skills.

*Credit:* College – 3 hours; High School – 1 unit Elective credit



## Western York County Middle College Program

This program is a partnership between York 1 and York Technical College. The Middle College program is a non-traditional high school program for rising juniors and seniors designed for students with academic aptitude and the desire to attend college. Students participate in the college preparation activities, receive academic support and have the option to earn 15 hours of college credit during their senior year. Students seeking admission into the Middle College program must complete a formal application that includes a letter of interest, panel interview and teacher recommendations before the student can be considered for selection by the Middle College Admissions Committee. To learn more about the program, please see your counselor.

## Apex Learning Advanced Placement Course Options

Apex Learning Advanced Placement courses are authorized by the College Board and meet higher-education expectations of college-level courses. The courses are designed to prepare students to demonstrate achievement through success on the AP exams and target highly motivated students who are reading at grade level or above and who have a track record of success in high school coursework. Each semester course offers approximately 120-150 hours of direct instruction and integrated formative, summative, and diagnostic assessment. Students taking AP courses are required to take the course Advanced Placement examination in the spring. Course fees to cover the costs of books and materials may be charged.

### **The following Apex Learning courses are available:**

*AP Biology (2 semesters), AP Chemistry (2 semesters), AP Physics (2 semesters), AP Microeconomics (1 semester), AP Macroeconomics (1 semester), AP Government (1 semester), AP Psychology (1 semester)*

## Credit and Academic Content Recovery

Credit and Academic Recovery are options open to students who need to retake a core course in order to graduate or need to take a course to get back on track for graduation. Credit Recovery and Academic Recovery are offered via the APEX program at YCHS. SC Virtual School is also an option that students may consider. In order to be eligible to participate in Credit Recovery the student must have failed the course with a grade of 50-59; upon completion of Credit Recovery a final grade of 60 will be recorded for that course in the student's transcript. To participate in either Credit Recovery or Academic Recovery, the student must complete an application that includes parent and counselor approval, and follow the guidelines set forth in the application.

## South Carolina Virtual School

The General Assembly established the South Carolina Virtual School Program (SCVS) to provide students with the opportunity to enroll in high quality technology-delivered courses. The SCVS offers courses for high school credit in which teaching is conducted online with the teacher separated

from the student by time and/or distance. Students who are interested in this option should be self-motivated, have good time management skills, and be willing to devote time to the course beyond the regular school day.

Students must be enrolled as a full-time student in York School District One and be given permission by the high school to enroll in SCVS prior to course enrollment. All courses for which there is a state required end-of-course exam require special approval. Only two, one-unit initial credit virtual courses may be taken during any school year. It is the responsibility of the student to have access to a computer connected to the Internet and to complete coursework according to SCVS guidelines and within deadlines. All required exams are administered at the discretion of the school. For additional information and course offering listings:

[www.virtualsc.org](http://www.virtualsc.org).

SCVS enrollment is designed for students who need to get back on track for graduation, have scheduling conflicts affecting their IGP, have medical issues, and other special circumstances. SCVS should not be viewed as an "easy alternative" for completing course credit. The work is demanding and requires dedication and commitment on the part of the student.

## Summer School

Summer school is offered at the discretion of the school district as a credit recovery option for students. Participation guidelines and costs are released each spring and are designed to enable students to recover credit. Application forms will be available in the school counseling office; space is limited, and students are approved for participation based on a priority system.

## College and Career Readiness

### Education & Career Planning Resources

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. Students are encouraged to take advantage of these opportunities. This information is helpful to students as they develop and revise their Individual Graduation Plans (IGP).

### Career/Educational Libraries

Students are encouraged to become familiar with printed resources available in the guidance office, technology center or media center. Up-to-date information about a variety of careers, post-secondary institutions and training programs is available there. Students may also access college applications and scholarship information/applications online or through the guidance office.

## College and Career Assessments

### SCOIS Career Information System

The South Carolina Occupational Information System (SCOIS CIS) 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. See your counselor for user name and password

### PSAT

The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT, NMSQT) introduces students 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. Several colleges use PSAT for determining early admissions and programs, such as the Governor's School, use them in their selection process. Besides providing practice for the SAT, the **Junior Year PSAT scores are used for National Merit qualification and by other groups as criteria for scholarships.** All college bound juniors are encouraged to pay the registration fee and take the PSAT.

### ACT, SAT, & ACCUPLACER COLLEGE ENTRANCE EXAMS

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. ACCUPLACER is used for placement into York Technical College. All 3 tests are offered on the high school campus throughout the school year. Preparation assistance for all 3 tests as well as the Armed Services Vocational Assessment Battery (ASVAB) are available through the Academic Reinforcement Center (ARC). Some students may utilize their ACT Aspire scores and PSAT scores to help them determine the test that might be most beneficial for them.

The ACT and SAT 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. The SAT measures these skills in English, mathematics and reading. These areas are tested because they include the major areas of instruction in most high school and college programs. See your Counselor about when to take the writing portion of the test. For more information or for free practice test for the SAT go to [www.collegeboard.org](http://www.collegeboard.org) and for the ACT go to [www.actstudent.org](http://www.actstudent.org).

### PreACT

Each year nearly 3 million high school juniors and seniors take the ACT to gain insights into their college and career readiness. PreACT, administered in grade 10, gives students practice with the ACT test and empowers them, their parents, and educators with these valuable insights even sooner. The PreACT provides an early indication of progress and ideas for improvement prior to ACT testing and fast reporting. The choices a student makes in high school help chart a course for life after it. Educators can use insights from PreACT report data to help students prepare for success— and start making informed choices well before graduation

### WORKKEYS

Workkeys is an employment skills assessment system. Employers use Workkeys to measure workplace skills of employees and job applicants. Schools and colleges also use workkeys to prepare students for the workplace.

Workkeys is made up of several assessment tests that measure different kinds of employment-related skills. Three assessments demonstrate basic skills:

- Applied Mathematics
- Reading for Information
- Locating Information

### SAT-II

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

*Students attending a two-year or technical college generally do not need to take ACT or SAT for admission. Students applying to York Technical College take the ACCUPLACER placement test. However, some programs of study in the health field also require the ACT or SAT.*

### ACCUPLACER

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 ACCUPLACER. This test measures skills in reading, English and mathematics. ACCUPLACER testing is available on the York Technical College campus and may be given on the YCHS campus in the fall and spring each year.

**The ACCUPLACER test is also used by YCHS to determine eligibility for dual credit courses.** You can find more information on the Internet [www.yorktech.edu](http://www.yorktech.edu)

## 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. The ASVAB is comprised of 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 school and local military recruiters. Although students who plan to enter the military are required to take the ASVAB, information gained on this career assessment is beneficial to any student.

## Planning for the Future

### Destination: Workforce

The school district encourages students who plan to enter the workforce immediately after high school to take advantage of occupational programs available at the high school or at the Floyd D. Johnson Technology Center and to participate in as many School-to-Career, Work Based Learning opportunities as possible. Proper planning assists students immediately entering the workforce with the development of marketable job skills. If you interested in an internship or job shadowing you will need to see Mr. Ray in the Technology Office.

### Destination: Technical College

Students who plan to attend a two-year technical college are encouraged to participate in an occupational program related to their career plans. Students enrolled in occupational programs in high school have the opportunity to earn college credits through the Technical Advanced Placement (TAP) program at technical colleges.

Students who plan to attend a two-year technical college must take the ACCUPLACER placement test. ACCUPLACER testing is available on the York Technical College campus and may be given on the YCHS campus in the fall and spring each year.

Students who earn a B average in 30 hours of academic coursework at a South Carolina technical college may transfer to any public four-year college in the state. Traditional entrance requirements are waived (SAT or ACT is not required for transfer students).

### Destination: Military

Military recruiters visit the high schools regularly to talk with students who are interested in a career in the military. Students are encouraged to use their PreACT results to help them make their decisions about a military career. Students who enter the military must take the ASVAB. This information is then used in decisions about military assignments.

## Destination: Four-year College

Students who plan to enter a four-year college immediately after graduation should be aware of the specific college entrance requirements of the colleges. Some of that information is included in this guide. Students who plan to enter a four-year college must take a college entrance exam as a part of the admissions process. Two widely recognized college entrance exams are the SAT and the ACT. All colleges and universities in South Carolina accept both ACT and SAT scores for use in their admissions process.

## College Bound

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 the college entrance requirements.
2. Realize that your courses should be at the instructional level that helps you reach your potential and prepares you for college/career goals.
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 admission 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.

## Choosing the Right College

1. Evaluate your strengths and abilities. Utilize information about colleges/careers in the guidance office and media center.
2. Take the PSAT in your junior year. The tests 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 and other sites on the web are good resources for exploration. At least one of these computer-based career information delivery systems is available on any district-networked computer in our 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 online by Dec. 1st.
9. Apply for financial aid or scholarships. Do not rule out smaller private colleges due to costs.

# College Planning Checklist

## Eighth grade

- Select a high school course of study to explore and become familiar with college entrance requirements. Continue career exploration activities.
- Work with parents, teachers & counselors to create an Individual Graduation Plan (IGP) to satisfy your career and educational goals. Get involved at school and in your community.

## Freshman year

- Update your IGP and work to your academic potential. Continue career exploration activities.
- Continue to work with parents, teachers, and counselors to refine your IGP. Try job shadowing. Stay involved in school and community activities.

## Sophomore year

- Take academically challenging courses. Investigate Summer enrichment programs.
- Meet with your counselor to plan for college. Consider job shadowing. Check your for summer opportunities and other valuable information.

## Junior year

### Fall

- Register for the ASVAB.
- Register to take the PSAT. Think about your reasons for going to college. Investigate possible career options and degree level required.
- Identify important factors in choosing a college.
- Collect information from ED-OP Day (Educational Opportunity Day). During ED-OP, students have the opportunity to talk with admissions counselors from South Carolina colleges and universities.
- Explore colleges and careers.
- Look into internships or job shadowing opportunities.
- Continue to focus on your schoolwork and to work with your parents, teachers and counselors.

### Spring

- Register for the SAT, ACT or ACCUPLACER(if GPA is below a 3.0).
- List colleges you are considering and collect information.
- Investigate summer enrichment programs.
- Continue to work to highest academic potential and to be involved in school and community activities.
- Prepare for and visit colleges.
- Continue collecting college and career information. Enroll in summer activities. Take some time to volunteer.
- Take the Compass test in the Spring, if you plan to enroll in Dual Credit courses your Senior year.

## Senior year

### Fall

- Continue to take a full load of challenging courses.
- Compare the colleges on your list.
- Complete college application
- Register for the SAT, ACT or ACCUPLACER.
- Search for scholarship opportunities.
- Participate in ED-OP Day and Financial Aid Night.
- Continue visiting colleges.
- Complete applications by December 1.
- Check senior newsletters for scholarship opportunities.
- Complete scholarship applications. Observe deadlines.
- Work closely with your counselor, parents and teachers to finalize your plans.
- Apply for financial aid in October (FAFSA-Free Application for Federal Student Aid).

### Spring

- Continue to search for scholarship opportunities.
- Make your final college decision. Register for college housing.
- Complete scholarship applications.
- Complete final paperwork for college of choice.



# Academic Information - Registration and Course Selection Guidelines

## Registration & Scheduling Procedures

Selection of the appropriate classes is one of the most important decisions for high school students and their parents each year.

In order to balance class enrollments and provide adequate staffing, we request your cooperation to ensure that course selections are correct before the end of the school year.

**1. Registration** - During registration, students must select courses for the entire school year. Selection of alternate courses that you are willing to take is a very important part of the course registration process. All courses in the registration guide may not be available. Be sure to select alternates that match your interests and career cluster since students may see these in their final schedules.

**2. Parents are asked to review the Registration Guide and sign the course selection sheet.** Students are encouraged to register for the level of instruction recommended by the teachers in the core instructional areas (English, math, science, social studies and world language). If a student chooses to make selections that are different from the recommendation, the parent must sign a waiver and indicate the preferred level and course. Students are reminded that once school begins, a change in level 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.

**3. Schedule changes/Withdrawing from a course** - Students are encouraged to choose courses carefully during the registration period. Once the master schedule is defined, space may not allow general schedule changes to be made. No schedule changes will be made after the start of the school year. Automatic adjustments are made if final grades, summer school completion or other factors necessitate the change. Due to schedule conflicts, there is no guarantee that all courses requested can be scheduled. Withdrawal from any course after school begins based on the limits below will result in a grade of WF (50) for the course: 3 days in a 45-day course; 5 days in a 90-day course

**4. Retaking a course** --According to the SC 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 D or F is earned may be retaken.
- The course in which 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 the grades earned. Students who repeat a course in which a D was earned will only receive one credit for the repeated course along with the grade earned when it was repeated.

- Students taking courses for a Carnegie unit prior to their 9th grade year may retake any such course during their 9th grade year regardless of the grade earned. 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.

**5. Number of courses scheduled**--All students are required to take four (4) units each semester (eight units per year). Seniors must be enrolled in eight classes unless they have approval for Work Based Learning. ***Students must be enrolled in at least one English class and one math class each school year.***

**6. Honors/Advanced Placement classes**--Honors-level courses are designed for students who have superior ability and have demonstrated achievement in prior course work. Advanced Placement classes offer college-level instruction in high school, preparing the student for the rigors of college. Successful scores on the AP Exam may qualify students for college credit and advanced standing in colleges and universities throughout the United States.

Advanced Placement (AP) courses are available in the district based on sufficient enrollment, and students must meet the established criteria before they can enroll in any of the courses. The specific criteria are explained in the course descriptions. AP courses are college-level courses, and students should expect intensified study and great demands placed on their time and energy. Parents should encourage their student to enroll in these challenging and rigorous courses if appropriate.

## Curriculum Planning Framework

### Overview

South Carolina high school students face many challenges: higher graduation standards, increasing college entrance requirements and growing workforce demands. For students to be successful, high schools must provide a curriculum that is challenging and relevant. They must also offer a sequence of courses to assist students in becoming passionate, lifelong learners.

A framework for curriculum planning aids students and their parents in this process. An effective curriculum framework must have high standards and expectations for all students, a rigorous curriculum that prepares them for post-secondary education and engaging instructional strategies designed to help students learn important concepts and ideas in depth. The curriculum framework used by York School District One includes a rigorous curriculum design and a requirement that each student develop a challenging IGP.



Working with their parents, counselors, and teachers, students develop plans that include academic as well as profession-related courses. Their plans also identify extended learning opportunities that are designed to prepare students for transition to post-secondary education and the workplace.

York School District One strives to provide a comprehensive curriculum to address the individual needs of all of our students. The framework design allows for an integrated, multi-dimensional approach to planning that helps students become successful learners for high school and beyond. The framework provides a structure for planning and communicating high expectations.

## Framework design

A comprehensive curriculum framework includes the following elements:

- Areas of study
- Clusters of study
- Majors for each cluster of study
- An IGP
- Recommended curriculum for an IGP
- Template for the IGP for each major

**An area of study** is a way to organize the curriculum into broad program areas that are inter-related in nature and that relate to various professions and academic areas of study. There are five areas of study in our framework:

- Arts & Humanities
- Business, Management, and Information Technology
- Engineering, Manufacturing, and Industrial Technology
- Health Science and Human Services
- Public Service

**A cluster of study** is a means of organizing instruction and student experiences around broad categories that encompass virtually all occupations from entry level through professional levels. Clusters of study provide a way to organize and tailor coursework and learning experiences around areas of interests. Clusters of study are designed to provide a seamless transition from high school study to post-secondary study and/or the workforce. There are 16 clusters of study from which to choose:

- Arts, A/V Technology and Communication
- Education and Training
- Business Management and Administration
- Finance
- Information Technology Center
- Hospitality and Tourism
- Marketing, Sales and Service
- Architecture and Construction
- Manufacturing
- Science, Technology, Engineering and Mathematics
- Transportation, Distribution and Logistics
- Agriculture, Food and Natural Resources
- Health Science
- Human Services
- Government and Public Administration
- Law, Public Safety and Security
- Early College
- Cosmetology

A cluster of study has several majors. Earning a major consists of the completion of at least four required units in that major. It is recommended that students take at least one course at the highest level offered.

**An IGP** includes the state high school graduation requirements and/or college entrance requirements. In addition, course recommendations for successful completion of a major that aligns to post-secondary education and the workplace are included.

The United States Department of Education (USDE) has developed 16 national clusters of study as a means of organizing the curriculum. The Secondary Curriculum Framework for York School District One is designed around these 16 national clusters. In addition, York School District One organized these 16 clusters into five groups referred to as “areas of study.” The district’s curriculum currently provides the opportunity for students to complete a major in more than 30 career areas.

Choosing an area of study, a cluster of study and a major requires students to assess interests and skills, then select coursework to achieve their academic goals while exploring a professional goal. In the spring of eighth grade, students choose one of the five areas of study to explore. This takes place during an individual planning conference with a school counselor and the student. Parent(s) are invited to attend. In ninth grade, students select at least one of the 16 clusters to explore, the goal being to select a major by the end of 10th grade.

**A major** is designed to enable students to focus on an area of interest that motivates them to stay in school, to be better prepared for post-secondary choices and/ or the workplace, and to make a smooth transition to post-secondary education and/or the workplace.

**To graduate with a major, students must complete four units of study from the required offerings identified.**

## Individual Graduation Plan

The purpose of the Individual Graduation Plan (IGP) is to assist students and their parents in exploring educational and professional possibilities, and in making appropriate secondary and post-secondary decisions. The IGP is part of the career planner. It builds on the coursework, assessments and counseling in middle and high school. The IGP is not intended to reflect all aspects of the high school experience.

Students and parents can use the *South Carolina Occupational Information System* (SCOIS: [www.scois.net](http://www.scois.net)) to create a career portfolio, explore education and careers, and learn about extended learning opportunities.

## Developing the IGP

School counselors begin working with students regarding interests, clusters of study, majors, post-secondary choices and high school options through individual and group counseling in the sixth grade. This includes information on academic and professional goals, career activities and access to career resources. Teacher and parental involvement throughout this process is vital. Students are never locked into a specific cluster or major and can change majors if their interests change.

Complementary courses are drawn from both academic and profession-related courses that support the major and are chosen based on their reinforcement of the skills students must master relative to the major. Students are encouraged, but not required, to enroll in complementary courses.

Extended Learning Opportunities (ELOs) occur outside the classroom to make learning relevant and give students an awareness of work associated with the major. Examples include shadowing, career mentoring, service learning, internships, and apprenticeships.

Finally, the IGP lists sample careers for each major grouped by level of educational achievement - high school diploma, two-year associate degree, and four-year degree or higher, to help students make choices aligned with their professional goals.

## Grade Level Planning

### 8th Grade

- Students choose an area of study that they would like to explore.
- Working with their parents, counselors and teachers, students begin developing an IGP to include academic as well as profession-related courses.
- Students have the opportunity to participate in career shadowing.

### 9th Grade

- Students choose a cluster of study to explore.
- Students may declare a major, focusing their elective choices in a particular area.
- Students have the opportunity to participate in career shadowing.
- Students review and update their IGP developed in the eighth grade.
- Students begin to explore post-secondary opportunities.

### 10th Grade

- Students declare a major if they have not done so in the ninth grade.
- Students have the opportunity to participate in extended learning opportunities.
- Students review and update their IGP.
- Students begin to develop post-secondary goals.

### 11th Grade

- Students review and update their IGP with particular attention being given to post-secondary goals.
- Students have the opportunity to participate in extended learning opportunities.

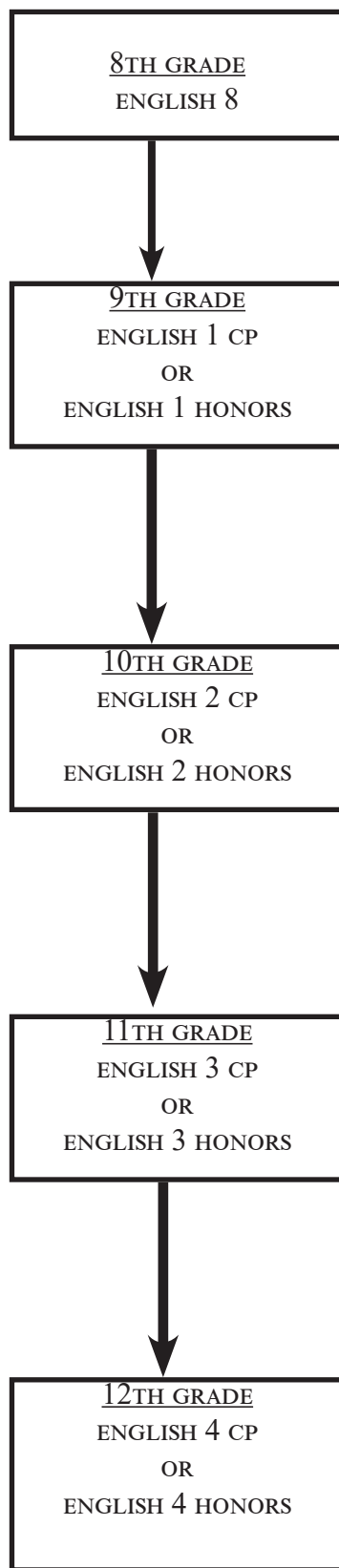
### 12th Grade

- Students complete requirements for a major.
- Students have the opportunity to participate in extended learning opportunities.

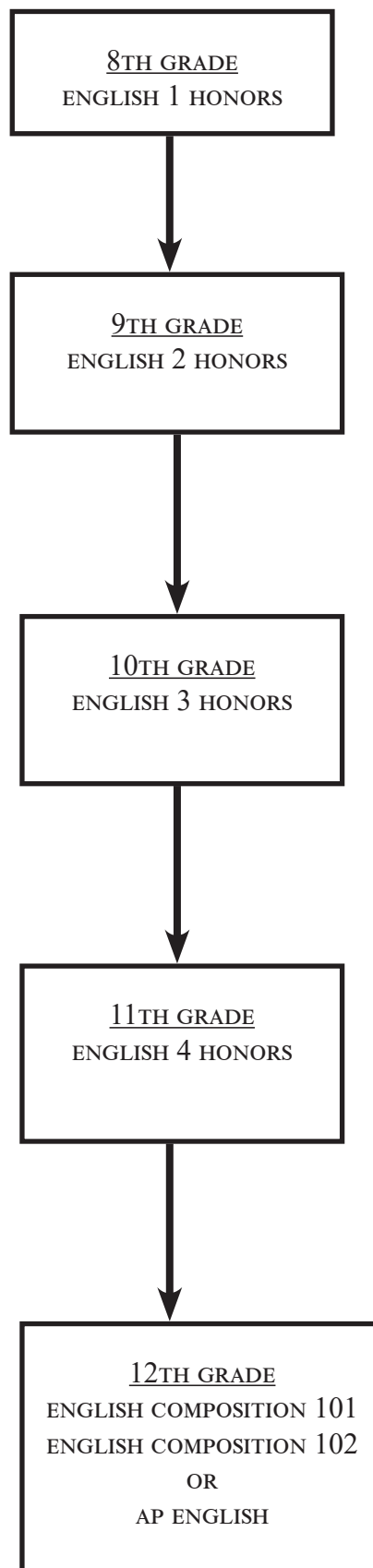


## ENGLISH SEQUENCE RECOMMENDATIONS

### COLLEGE PREP PATH

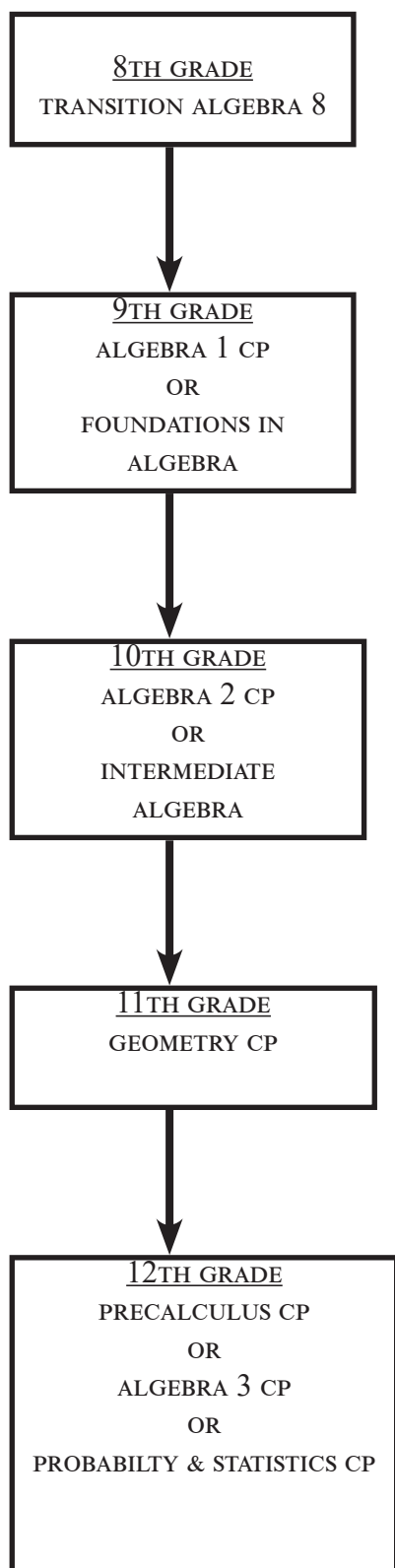


### HONORS PATH

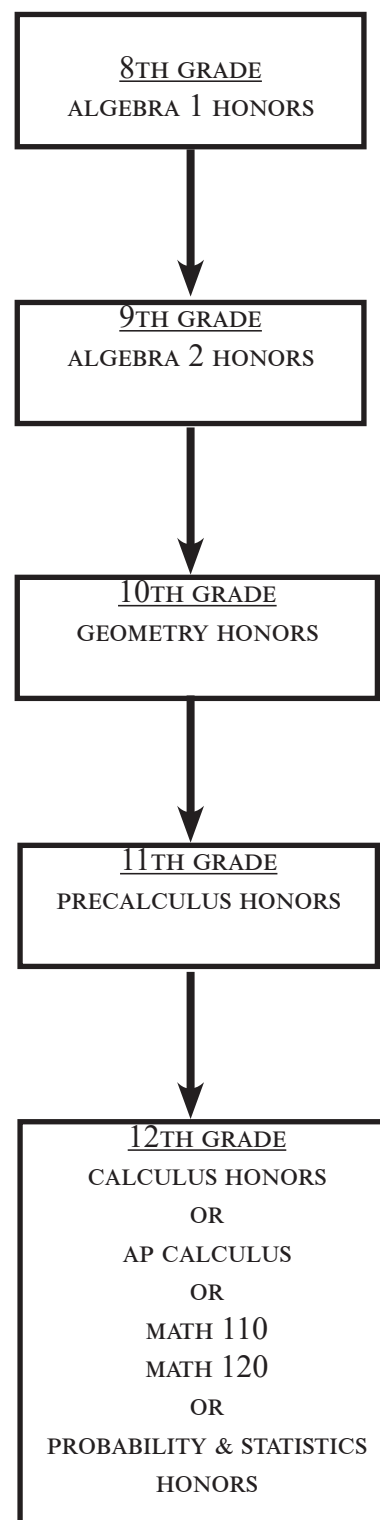


## MATHEMATICS SEQUENCE RECOMMENDATIONS

### COLLEGE PREP PATH

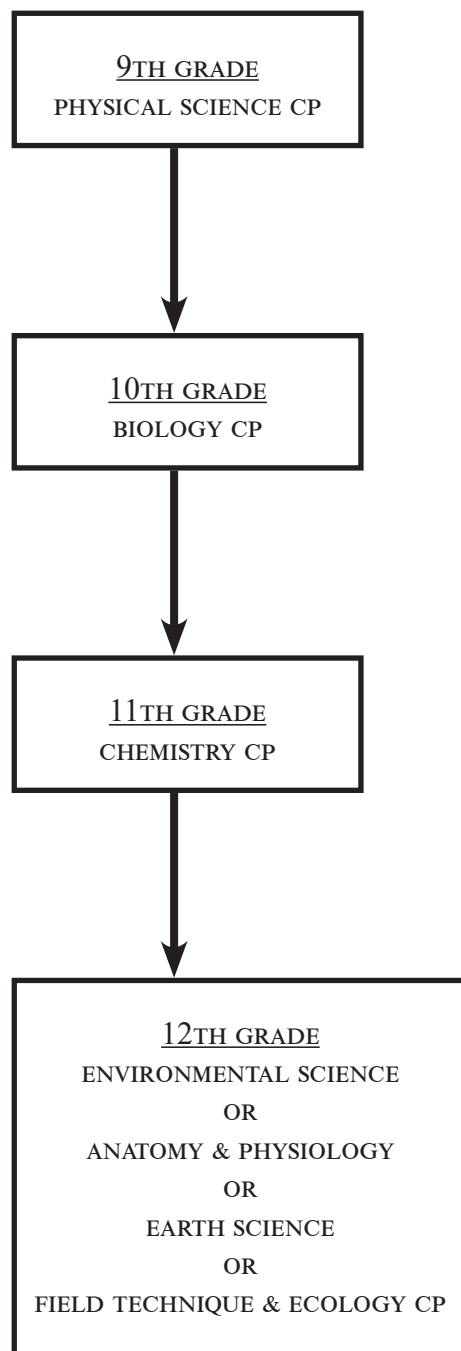


### HONORS PATH

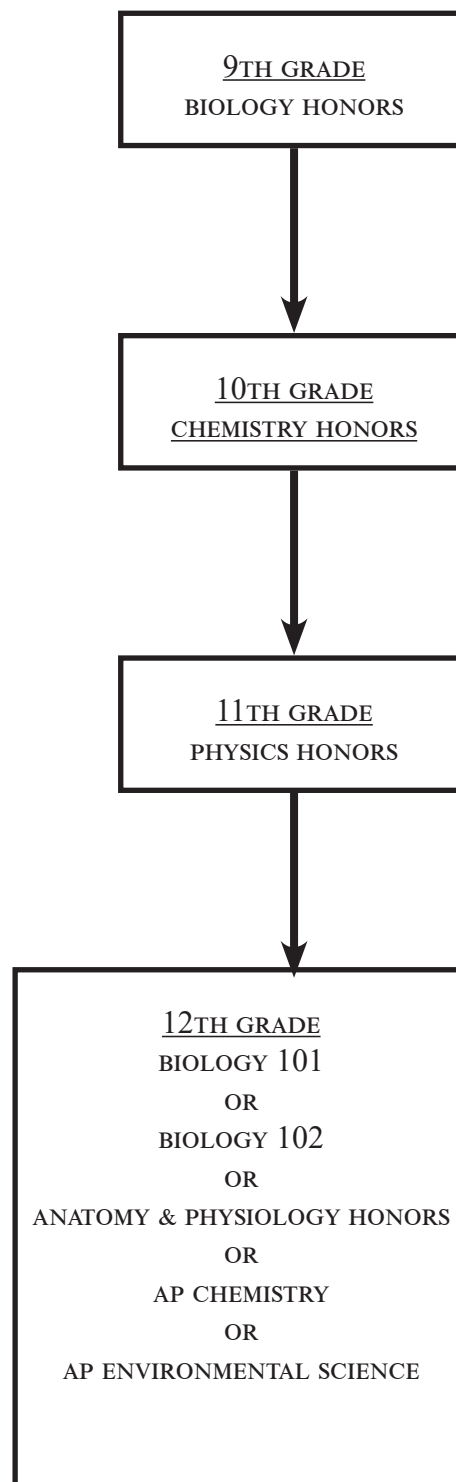


## SCIENCE SEQUENCE RECOMMENDATIONS

### COLLEGE PREP PATH

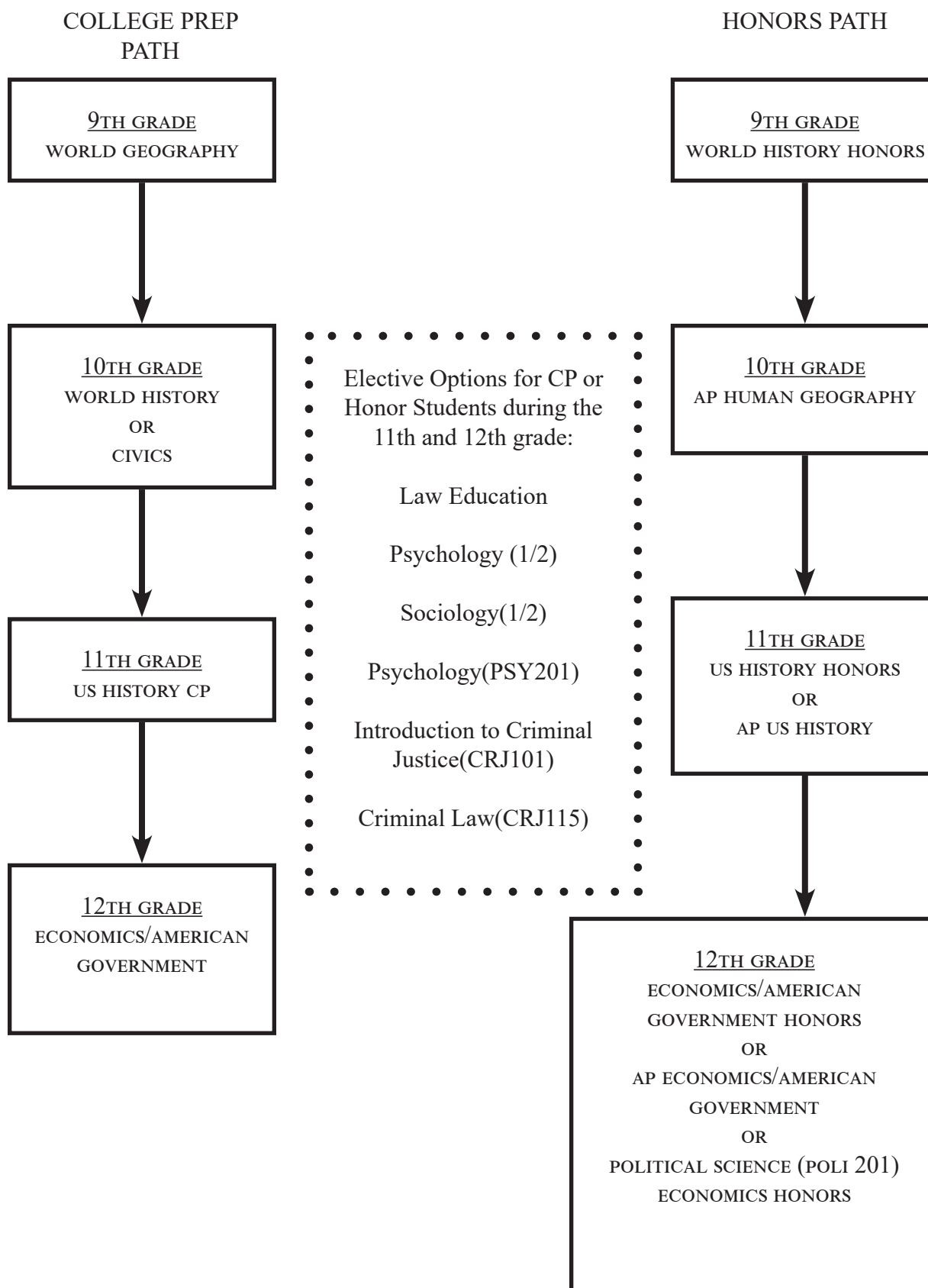


### HONORS PATH



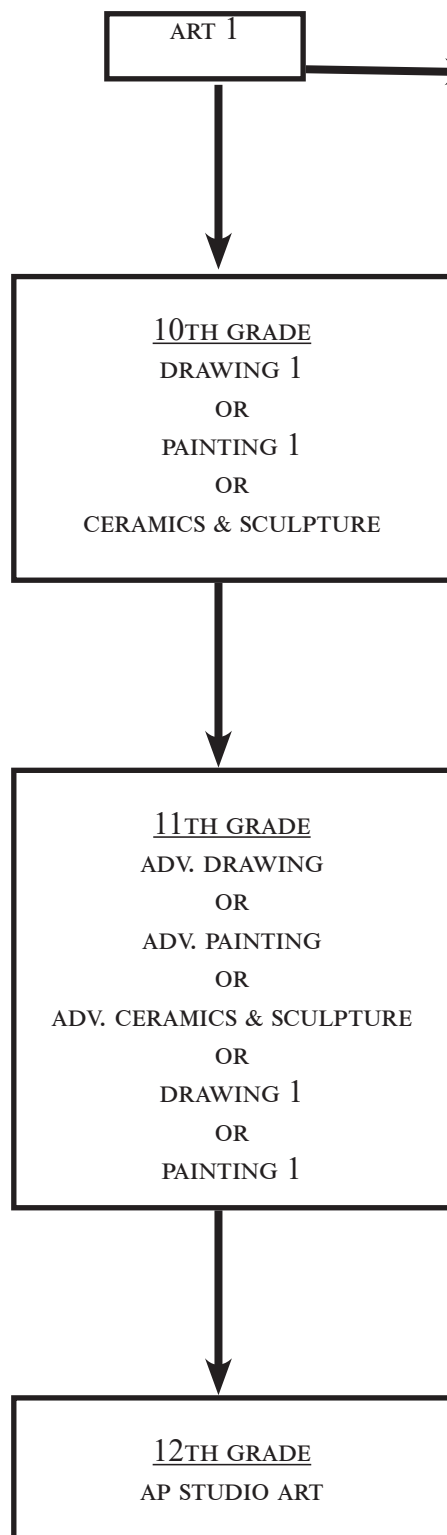


## SOCIAL STUDIES SEQUENCE RECOMMENDATIONS

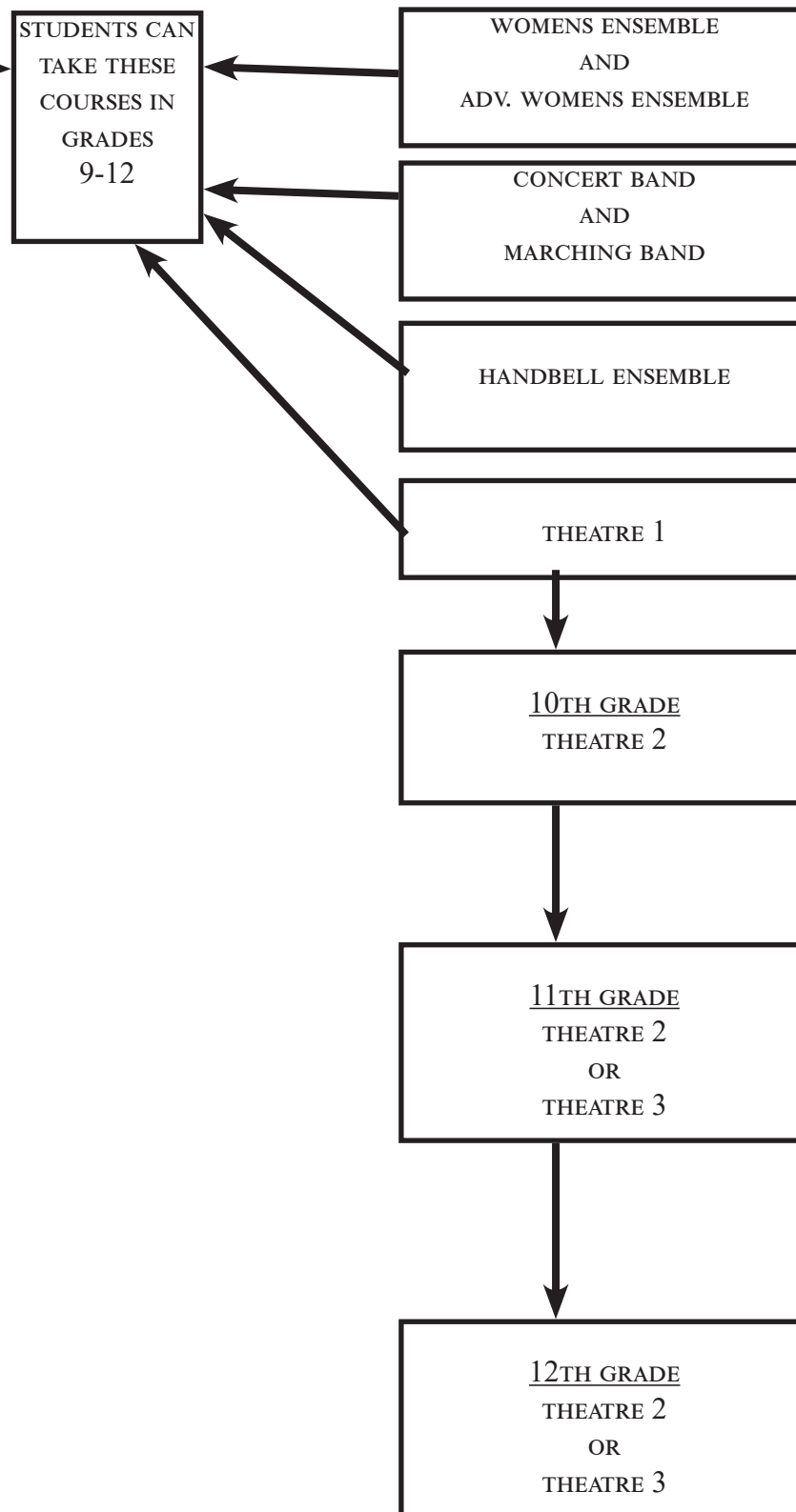


## FINE ARTS SEQUENCE RECOMMENDATIONS

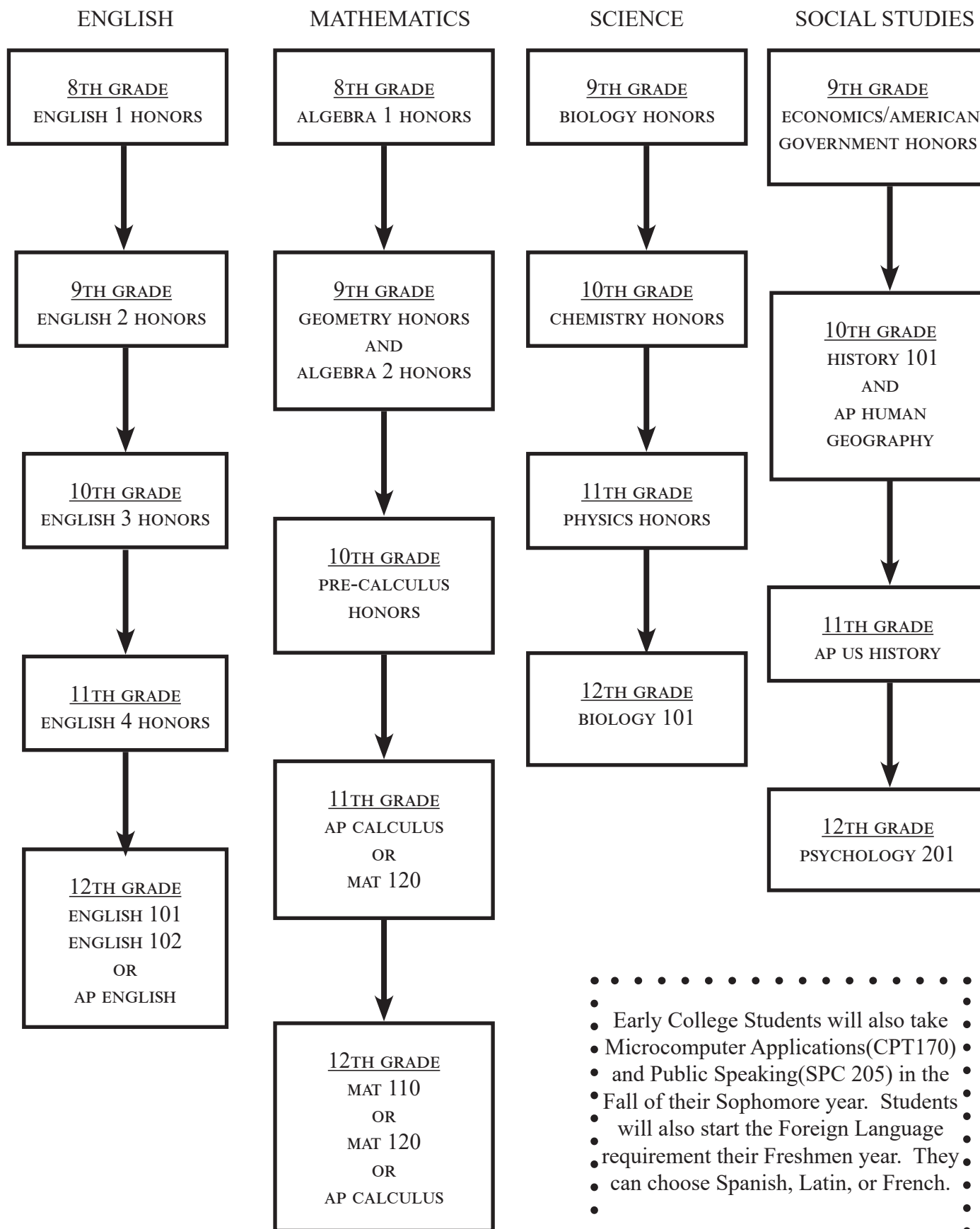
### VISUAL ARTS



### PERFORMING ARTS



## EARLY COLLEGE SEQUENCE



• Early College Students will also take •  
 • Microcomputer Applications(CPT170) •  
 • and Public Speaking(SPC 205) in the •  
 • Fall of their Sophomore year. Students •  
 • will also start the Foreign Language •  
 • requirement their Freshmen year. They •  
 • can choose Spanish, Latin, or French. •  
 • • • • •



# York School District One

## Curriculum Framework - 16 Career Clusters

### Area of Arts & Humanities

#### *Arts, A/V Technology & Communication Cluster*

- Journalism and Mass Communications Major.. 29
- World Languages Major  
(French, Spanish) ..... 29
- English Major ..... 30
- Visual Arts Major ..... 30
- Performing Arts Major ..... 31
- Drafting & Design Major ..... 31

#### *Education & Training Cluster*

- Teaching & Training Major..... 32

### Area of Business, Management & Information Technology

#### *Business, Management & Administration Cluster*

- General Management Major..... 32

#### *Finance Cluster*

- Accounting Major..... 33

#### *Information Technology Cluster*

- Programming & Software  
Development Major..... 33
- Networking Systems Major..... 34
- Web & Digital Communications..... 34

#### *Hospitality & Tourism Cluster*

- Culinary Arts ..... 35
- Restaurant, Food/Beverage &  
Lodging Major..... 35

#### *Marketing, Sales & Service Cluster*

- Marketing Management Major..... 36
- Merchandising Major ..... 36
- Marketing Communications Major ..... 37

### Area of Engineering, Manufacturing, & Industrial Technology

#### *Architecture & Construction Cluster*

- Construction Technology Major..... 37

#### *Manufacturing Cluster*

- Machine Tool Technology Major ..... 38
- Manufacturing Operations..... 38

#### *Science, Technology, Engineering & Mathematics Cluster*

- Pre-Engineering Major ..... 39
- Mathematics Major..... 39
- Science Major ..... 40

#### *Transportation, Distribution & Logistics Cluster*

- Automotive Technology Major..... 40

#### *Agriculture, Food & Natural Resources Cluster*

- Agricultural Science & Mechanics Major . 41

### Area of Health Science and Human Services

#### *Health Science Cluster*

- Health Science Technology Major..... 41
- Medical Science & Research Major ..... 42
- Physical/Occupational Therapy Major ..... 42

#### *Human Services Cluster*

- Counseling & Social Work Major ..... 43
- Child Development &  
Family Science Major ..... 43
- Fashion Construction & Design Major..... 44
- Cosmetology..... 44

### Area of Public Services

#### *Government & Public Administration Cluster*

- Social Sciences Major ..... 45

#### *Law, Public Safety & Security Cluster*

- Military Science Major..... 45
- Law & Legal Services Major ..... 46
- Occupational Credential ..... 46

# YORK SCHOOL DISTRICT ONE

## Curriculum Framework

Area of Arts & Humanities	Area of Business, Management & Information	Area of Engineering, Manufacturing, & Industrial	Area of Health Science & Human Services	Area of Public Services
<b>Arts, A/V Technology &amp; Communication Cluster</b> <ul style="list-style-type: none"> <li>Journalism &amp; Mass Communications</li> <li>World Language</li> <li>French</li> <li>Latin</li> <li>Spanish</li> <li>English</li> <li>Visual Arts</li> <li>Performing Arts</li> <li>Drafting &amp; Design</li> </ul> <b>Education &amp; Training Cluster</b> <ul style="list-style-type: none"> <li>Teaching &amp; Training</li> </ul>	<b>Business Management &amp; Admin. Cluster</b> <ul style="list-style-type: none"> <li>General Management</li> </ul> <b>Finance Cluster</b> <ul style="list-style-type: none"> <li>Accounting</li> </ul> <b>Information Technology Cluster</b> <ul style="list-style-type: none"> <li>Programming &amp; Software Dev.</li> <li>Networking Systems</li> <li>Web &amp; Digital Communication</li> </ul> <b>Hospitality &amp; Tourism Cluster</b> <ul style="list-style-type: none"> <li>Culinary Arts</li> <li>Restaurant, Food/ Beverage &amp; Lodging</li> </ul> <b>Marketing Sales &amp; Service Cluster</b> <ul style="list-style-type: none"> <li>Marketing</li> <li>Management</li> <li>Merchandising</li> <li>Marketing Communication</li> </ul>	<b>Architecture &amp; Construction Cluster</b> <ul style="list-style-type: none"> <li>Construction Tech.</li> </ul> <b>Manufacturing Cluster</b> <ul style="list-style-type: none"> <li>Machine Tool Tech. (York Tech)</li> <li>Manufacturing Operations</li> </ul> <b>Science, Technology, Engineering, &amp; Mathematics Cluster</b> <ul style="list-style-type: none"> <li>Pre-Engineering</li> <li>Mathematics</li> <li>Science</li> </ul> <b>Transportation, Distribution, &amp; Logistics Cluster</b> <ul style="list-style-type: none"> <li>Automotive Technology</li> </ul> <b>Agriculture, Food &amp; Natural Resources Cluster</b> <ul style="list-style-type: none"> <li>Agricultural Science &amp; Mechanics</li> </ul>	<b>Health Science Cluster</b> <ul style="list-style-type: none"> <li>Health Science</li> <li>Medical Science &amp; Research</li> <li>Physical/ Occupational Therapy</li> </ul> <b>Human Services Cluster</b> <ul style="list-style-type: none"> <li>Counseling &amp; Social Work</li> <li>Child Development &amp; Family Science</li> <li>Fashion Construction &amp; Design</li> <li>Cosmetology</li> </ul>	<b>Government &amp; Public Administration Cluster</b> <ul style="list-style-type: none"> <li>Social Sciences</li> </ul> <b>Law, Public Safety &amp; Security Cluster</b> <ul style="list-style-type: none"> <li>Military Science</li> <li>Law &amp; Legal Services</li> </ul>



## MAJOR: JOURNALISM & MASS COMMUNICATIONS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<b>Required:</b> Creative Writing/ Speech  <b>Plus 3 of the following:</b> Journalism 1 (Yearbook) Journalism 2 Journalism 3 Broadcast Journalism 1 Broadcast Journalism 2 Broadcast Journalism 3	Digital Multimedia Theatre Fine Arts Courses Integrated Bus. Apps. 1 Social Media Web Page Design 1, 2 World Language Courses	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Disk Jockey Layout Designer Broadcast Technician Audio/Video Operator	<b>2-YEAR ASSOCIATE DEGREE</b> Technical Writer Proofreader Reporter Sound Engineering Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Journalist Television Anchor Station Manager Media Specialist

## MAJOR: WORLD LANGUAGE

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
French 1, 2, 3, 4 Latin 1, 2, 3 *(plus 1 other Computer course) Spanish 1, 2, 3, 4 Spanish 101 AP Spanish	AP Human Geography Fine Arts Courses NJROTC Teacher Cadet World Geography	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Tour Guide Military Specialist	<b>2-YEAR ASSOCIATE DEGREE</b> Travel Agent Customer Service Agent	<b>4-YEAR DEGREE &amp; HIGHER</b> Educator Business Consultant Military Intelligence Language Translator/Interpreter

## MAJOR: ENGLISH

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
AP English Lit. & Composition Creative Writing/Speech English 3 Honors English 4 Honors English 101 English 102	Digital Multimedia Theatre Marketing Social Media for Business Teacher Cadet Web Page Design & Dev. 1	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Receptionist Sales Associate Library Assistant Clerical Assistant	<b>2-YEAR ASSOCIATE DEGREE</b> Proofreader Reporter Technical Writer Administrative Assistant	<b>4-YEAR DEGREE &amp; HIGHER</b> Educator Public Relations Specialist Writer Editor

## MAJOR: VISUAL ARTS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<b><u>2 Courses from Level One:</u></b> Ceramics 1 Drawing 1 Painting 1  <b><u>2 Courses from Level Two:</u></b> Advanced Ceramics Advanced Drawing Advanced Painting AP Studio Art	Creative Writing /Speech Digital Multimedia Theatre Fashion, Fabric, & Design 1 Housing & Interiors 1, 2 Integrated Business Apps. 1 Teacher Cadet Web Page Design & Dev. 1	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Artist Photographer Craft Artist Florist	<b>2-YEAR ASSOCIATE DEGREE</b> Cartoonist Graphic Illustrator Interior Designer Graphic Artist	<b>4-YEAR DEGREE &amp; HIGHER</b> Art Educator Photojournalist Curator/Gallery Manager Art Therapist

## MAJOR: PERFORMING ARTS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Band 1 - 4 Chorus 1 -4 Theatre 1-4	Other Fine Arts Courses Hand Bell Ensemble 1 & 2 Jazz Band Ensemble Speech/Creative Writing World Language Courses Computer Courses Teacher Cadet	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Musician/Accompanist Actor Singer	<b>2-YEAR ASSOCIATE DEGREE</b> Set Design Technician Costume Technician Sound/Lighting Technician Stage Electrician	<b>4-YEAR DEGREE &amp; HIGHER</b> Actor/Produce/Director Music Therapist Educator Choral Director

## MAJOR: DRAFTING & DESIGN

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<b>Required:</b> Mech. Drafting & Design 1, 2 Architectural Drafting & Design 1 Art 1	Drawing 1 Drawing Advanced Painting 1 Painting Advanced Home Systems Technology Intro. to Engineer. Design Principles of Engineering Comp. Integrated Manufacturing Mechatronics Intgr. Tech 1 Machine Tools (York Tech) Computer Courses Speech/Creative Writing Psychology/Sociology Calculus	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Entry Level Drafter Technical Illustrator	<b>2-YEAR ASSOCIATE DEGREE</b> CAD Technician Architectural Engineering Tech. Civil Engineering Technician Engineering Design Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Architect Construction Engineer/Civil Environmental Engineer Mechanical Engineer

## MAJOR: TEACHING

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)						
<p><b>Required:</b> Teacher Cadet</p> <p><b>Plus 3 of the following:</b> AP Course of Choice Digital Multimedia Psychology 101 Psychology/Sociology Public Speaking/Creative Writing</p>	<p>Fine Arts Courses Google Applications Sports Medicine 1 Parenting Education Web Page Design &amp; Dev. 1 World Language Courses</p>	<p>Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship</p>						
<p><b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)</p> <table> <tr> <th>HIGH SCHOOL DIPLOMA</th><th>2-YEAR ASSOCIATE DEGREE</th><th>4-YEAR DEGREE &amp; HIGHER</th></tr> <tr> <td>Day Care Worker Instructional Assistant Driving School Instructor Recreation/Fitness Trainer</td><td>Day Care Provider Social Worker Substitute Teacher Training Manager</td><td>Educator Counselor/Psychologist Human Resources Director</td></tr> </table>			HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER	Day Care Worker Instructional Assistant Driving School Instructor Recreation/Fitness Trainer	Day Care Provider Social Worker Substitute Teacher Training Manager	Educator Counselor/Psychologist Human Resources Director
HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER						
Day Care Worker Instructional Assistant Driving School Instructor Recreation/Fitness Trainer	Day Care Provider Social Worker Substitute Teacher Training Manager	Educator Counselor/Psychologist Human Resources Director						

## MAJOR: GENERAL MANAGEMENT

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)						
<p><b>Required:</b> Accounting 1 Entrepreneurship Exploring Computer Science</p> <p><b>Plus 1 of the following:</b> Accounting 2 (ACC 111) Google Apps Integrated Business Apps 1, 2 Marketing Marketing Management Social Media for Business Work Based Credit</p>	<p>Personal Finance Teacher Cadet</p>	<p>Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship</p>						
<p><b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)</p> <table> <tr> <th>HIGH SCHOOL DIPLOMA</th><th>2-YEAR ASSOCIATE DEGREE</th><th>4-YEAR DEGREE &amp; HIGHER</th></tr> <tr> <td>Information Processing Specialist Website Maintenance Specialist Multimedia Specialist Desktop Publishing Specialist</td><td>Auditor Accountant Credit Manager Computer Systems Analyst Financial Services Manager</td><td>Certified Public Accountant Educator Chief Financial Officer Stockbroker</td></tr> </table>			HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER	Information Processing Specialist Website Maintenance Specialist Multimedia Specialist Desktop Publishing Specialist	Auditor Accountant Credit Manager Computer Systems Analyst Financial Services Manager	Certified Public Accountant Educator Chief Financial Officer Stockbroker
HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER						
Information Processing Specialist Website Maintenance Specialist Multimedia Specialist Desktop Publishing Specialist	Auditor Accountant Credit Manager Computer Systems Analyst Financial Services Manager	Certified Public Accountant Educator Chief Financial Officer Stockbroker						

## MAJOR: ACCOUNTING

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b> <b>(Career &amp; Technology Completer Major)</b>  <u><b>Required:</b></u> Accounting 1 Accounting 2  <u><b>Plus 2 of the following:</b></u> Entrepreneurship Integrated business Apps 1, 2 Work Based Credit	<b>COMPLEMENTARY COURSEWORK</b>  Personal Finance Economics CP, H, AP Google, Applications Integrated Business Apps. 1	<b>EXTENDED LEARNING OPPORTUNITIES</b> <b>(Options related to major)</b>  Career Shadowing Career Mentoring Career Related Student Organizations Internship Organizations
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>		
<b>HIGH SCHOOL DIPLOMA</b> Bookkeeping Clerk Bank Teller Medical Billing Clerk Payroll Clerk Loan Clerk	<b>2-YEAR ASSOCIATE DEGREE</b> Auditor Accountant Financial Services Agent Credit Manager Computer Systems Analyst	<b>4-YEAR DEGREE &amp; HIGHER</b> Certified Public Accountant Educator Financial Planner Chief Financial Officer Stockbroker

## MAJOR: PROGRAMMING & SOFTWARE DEVELOPMENT

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b> <b>(Career &amp; Technology Completer Major)</b>  <u><b>Required:</b></u> Computer Programming 1 Computer Programming 2  <u><b>Plus 2 of the following:</b></u> Computer Service Technology Entrepreneurship Exploring Computer Science Integrated Business Apps. 1, 2 Web Page Design & Dev. 1, 2	<b>COMPLEMENTARY COURSEWORK</b>  Digital Multimedia Networking 1-4 Other Computer Courses Other Math Courses Personal Finance	<b>EXTENDED LEARNING OPPORTUNITIES</b> <b>(Options related to major)</b>  Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>		
<b>HIGH SCHOOL DIPLOMA</b> PC Support Specialist Technical Support Specialist Website Maintenance Specialist	<b>2-YEAR ASSOCIATE DEGREE</b> Web Designer Help Desk Specialist Network Administrator Computer Programmer	<b>4-YEAR DEGREE &amp; HIGHER</b> System Analyst Software Application Manager Computer Software Engineer Operations Research Analyst



## MAJOR: NETWORKING SYSTEMS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<p>(CISCO) (Formerly called Computer Engineering)</p> <p>Networking Fundamentals Advanced Networking</p> <p><b>Plus 2 of the following:</b></p> <p>Computer Programming 1, 2 Computer Service Tech. (A+) Entrepreneurship Exploring Computer Science Home System Technology Info. Technology Foundations Server Administration Advanced Server Administration Web Page Design 1 &amp; 2</p>	<p>Integrated Business Apps. 1 Other Computer Courses Other Math Courses</p>	<p>Apprenticeships Cooperative Education Career Related Students Organizations Career Shadowing Career Mentoring Internship</p>
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Routing Specialist Networking Specialist Electronic Sales Representative	<b>2-YEAR ASSOCIATE DEGREE</b> Telecommunications Manager LAN Administrator Provisioning Coordinator Network Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Telecommunications Engineer Network Administrator Network Info. Systems Engr. Systems Analyst

## MAJOR: WEB AND DIGITAL COMMUNICATIONS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<p><b>Required:</b></p> <p>Web Page Development 1 &amp; 2</p> <p><b>Plus 2 of the following:</b></p> <p>Computer Programming 1, 2 Digital Multimedia Entrepreneurship Exploring Computer Science Google Applications Integrated Business App. 1, 2 Social Media in Business</p>	<p>Advertising Marketing Networking Teacher Cadet</p>	<p>Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship</p>
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Multimedia Specialist Desktop Publishing Specialist Website Maintenance Specialist	<b>2-YEAR ASSOCIATE DEGREE</b> Web Designer Graphic Artist Interactive Media Specialist	<b>4-YEAR DEGREE &amp; HIGHER</b> Webmaster 3D Animator Virtual Reality Specialist





## MAJOR: CULINARY ARTS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<b>Required:</b> Introduction to Culinary Arts Culinary Arts 1 Culinary Arts 2	Accounting 1, 2 Entrepreneurship Family & Consumer Sci. 1, 2 Fashion, Fabric & Design 1, 2 Housing & Interiors 1, 2 Marketing Courses Other Business Courses World Language Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Cook Server Host Cashier Kitchen Assistant Bartender	<b>2-YEAR ASSOCIATE DEGREE</b> Chef Assistant Head Cook Food/Beverage Services Restaurant Manager Caterer Entry-Level Management	<b>4-YEAR DEGREE &amp; HIGHER</b> Chef Dietician/Nutritionist Restaurant Manager (Larger Restaurants) Culinary Director Upper - Level Management

## MAJOR: RESTAURANT, FOOD/BEVERAGE & LODGING

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Advertising Family & Consumer Science Food & Nutrition 1 Introduction to Culinary Arts Marketing Management	Culinary Arts 1 Entrepreneurship Fashion, Fabric & Design 1, 2 Foods & Nutrition 2 Housing & Interiors 1, 2 Other Business Courses World Language Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Cruise Ship Worker Front Desk Clerk Hostess Server	<b>2-YEAR ASSOCIATE DEGREE</b> Caterer Cook Food/Beverage Services Restaurant Manager	<b>4-YEAR DEGREE &amp; HIGHER</b> Chef Dietician/Nutritionist Hotel Manager Restaurant Manager (larger restaurants)

## MAJOR: MARKETING MANAGEMENT

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b> <b>(Career &amp; Technology Completer Major)</b>  <u><b>Required:</b></u> Marketing Marketing Management <u><b>Plus 2 of the following:</b></u> Accounting 1, 2 Advertising Entrepreneurship Google Application Integrated Business Apps. 1, 2 Social Media for Business Work Based Credit Sports Management	<b>COMPLEMENTARY COURSEWORK</b>  Culinary Arts 1 Intro Culinary Arts 1 Prep Merchandising Web Page Design & Dev. 1	<b>EXTENDED LEARNING OPPORTUNITIES</b> <b>(Options related to major)</b>  Career Shadowing Career Mentoring Career Related Student Organizations Internship
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>		
<b>HIGH SCHOOL DIPLOMA</b> Bank Teller Customer Service Representative Sales Associate Telemarketer Shipping, Receiving, Traffic Clerk	<b>2-YEAR ASSOCIATE DEGREE</b> Assistant Store Manager Customer Service Supervisor Office Manager General Manager Sales Representative Wholesale/Retail Buyer	<b>4-YEAR DEGREE &amp; HIGHER</b> Entrepreneur Chief Executive Officer Marketing Manager Real Estate Broker Educator Market Research Analyst

## MAJOR: MERCHANDISING

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b> <b>(Career &amp; Technology Completer Major)</b>  <u><b>Required:</b></u> Marketing Merchandising  <u><b>Plus 2 of the following:</b></u> Advertising Entrepreneurship Google Applications Image Editing Integrated Business Apps. 1, 2 Social Media For Business Web Page Design & Dev. 1, 2 Work Based Credit	<b>COMPLEMENTARY COURSEWORK</b>  Accounting 1, 2 Culinary Arts 1 Intro Culinary Arts 1 Prep Fashion, Fabric & Design 1, 2 Marketing Management Social Media for Business Teacher Cadet Sports Management	<b>EXTENDED LEARNING OPPORTUNITIES</b> <b>(Options related to major)</b>  Career Shadowing Career Mentoring Career Related Student Organizations Internship
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>		
<b>HIGH SCHOOL DIPLOMA</b> Sales Associate Customer Service Representative Visual Creative Display Artist	<b>2-YEAR ASSOCIATE DEGREE</b> Operations Manager Sales Manager Department Manager	<b>4-YEAR DEGREE &amp; HIGHER</b> Educator Store Manager Retail Marketing Coordinator Merchandising Manager

## MAJOR: MARKETING COMMUNICATION

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)						
<p><b>Required:</b> Marketing Advertising</p> <p><b>Plus 2 of the following:</b> Digital Multimedia Entrepreneurship Google Applications Integrated Business Apps. 1, 2 Social Media for Business Web Page Design &amp; Dev. 1, 2 Work Based Credit</p>	<p>Culinary Arts 1 Intro Culinary Arts 1 Prep Marketing Management Teacher Cadet Sports Management</p>	<p>Career Shadowing Career Mentoring Career Related Student Organizations Internship</p>						
<p><b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)</p> <table> <tr> <th>HIGH SCHOOL DIPLOMA</th><th>2-YEAR ASSOCIATE DEGREE</th><th>4-YEAR DEGREE &amp; HIGHER</th></tr> <tr> <td> Sales Associate Customer Service Representative Visual Creative Display Artist Contract Administrator </td><td> Advertising/Promotion Manager Retail Buyer Marketing Specialist Sales Promotion Manager </td><td> Public Relations Manager Market Research Analyst Public Information Director Educator </td></tr> </table>			HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER	Sales Associate Customer Service Representative Visual Creative Display Artist Contract Administrator	Advertising/Promotion Manager Retail Buyer Marketing Specialist Sales Promotion Manager	Public Relations Manager Market Research Analyst Public Information Director Educator
HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER						
Sales Associate Customer Service Representative Visual Creative Display Artist Contract Administrator	Advertising/Promotion Manager Retail Buyer Marketing Specialist Sales Promotion Manager	Public Relations Manager Market Research Analyst Public Information Director Educator						

## MAJOR: CONSTRUCTION TECHNOLOGY

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)						
<p>Building Construction 1 Building Construction 2 Building Construction 3 Building Construction 4</p>	<p>Cabinet Making 1, 2 Drafting Courses Entrepreneurship Housing &amp; Interiors 1, 2 Mechatronics Intrgr. Tech 1</p>	<p>Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship</p>						
<p><b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)</p> <table> <tr> <th>HIGH SCHOOL DIPLOMA</th><th>2-YEAR ASSOCIATE DEGREE</th><th>4-YEAR DEGREE &amp; HIGHER</th></tr> <tr> <td> Mason Drywall Installer HVAC Installer Insulation Installer </td><td> Construction Foreman Cost Estimator Contractor Electrician Construction Project Manager Construction Technician </td><td> Civil Engineer Architect </td></tr> </table>			HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER	Mason Drywall Installer HVAC Installer Insulation Installer	Construction Foreman Cost Estimator Contractor Electrician Construction Project Manager Construction Technician	Civil Engineer Architect
HIGH SCHOOL DIPLOMA	2-YEAR ASSOCIATE DEGREE	4-YEAR DEGREE & HIGHER						
Mason Drywall Installer HVAC Installer Insulation Installer	Construction Foreman Cost Estimator Contractor Electrician Construction Project Manager Construction Technician	Civil Engineer Architect						



## MAJOR: MACHINE TOOL TECHNOLOGY

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Architectural Drafting & Design 1 Mechanical Drafting & Design 1 Mechanical Drafting & Design 2 Machine Tool Tech. (York Tech)	Entrepreneurship Mechatronics Intgr. Tech. 1 Other Computer Courses Other Math Courses Personal Finance Physics	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Entry Level Drafter Technical Illustrator Estimator	<b>2-YEAR ASSOCIATE DEGREE</b> Architectural Engineering Tech. Civil Engineering Technician Engineering Design Technician Electrical Engineer Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Civil Engineer Environmental Engineer Computer Engineer

## MAJOR: MANUFACTURING OPERATIONS

REQUIRED COURSES FOR MAJOR (5 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<b>Required:</b> Introduction to Manufacturing Machine Tool Tech. (York Tech) Mechatronics (Product Quality) Computer Integrated Manufacture (CIM) Welding (York Tech)	Building Construction Computer Integrated Manufacturing (CIM) Mechanical Drafting CP Level or Higher Math Courses	Apprenticeships Career Shadowing Career Mentoring Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Manufacturing Operator Assembler Welder Material Handler	<b>2-YEAR ASSOCIATE DEGREE</b> CNC Machinist Maintenance Technician Quality Technician Tool & Die Maker	<b>4-YEAR DEGREE &amp; HIGHER</b> Mechanical Engineer Electrical Engineer Quality Engineer Material Planner Manufacture Supervisor



## MAJOR: PRE-ENGINEERING

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b> <b>(Career &amp; Technology Completer Major)</b>  <b><u>Project Lead The Way (PLTW)</u></b>  Intro. to Engineering Design (IED) Comp. Integrated Manufacturing (CIM) Digital Electronics Principles of Engineering (POE)	<b>COMPLEMENTARY COURSEWORK</b>  Computer Service Tech. Drafting Home Systems Mechatronics Intgr. Tech. 1 Networking 1 - 4 Other Computer Courses Other Math Courses Physics	<b>EXTENDED LEARNING OPPORTUNITIES</b> <b>(Options related to major)</b>  Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship			
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>  <table> <tr> <td data-bbox="149 957 626 1123"> <b>HIGH SCHOOL DIPLOMA</b>                              Entry Level Drafter                              Technical Illustrator                              Estimator                         </td><td data-bbox="626 957 1104 1123"> <b>2-YEAR ASSOCIATE DEGREE</b>                              Architectural Engineering Technician                              Civil Engineering Technician                              Engineering Design Technician                              Electrical Engineer Technician                         </td><td data-bbox="1104 957 1579 1123"> <b>4-YEAR DEGREE &amp; HIGHER</b>                              Civil Engineer                              Environmental Engineer                              Electrical Engineer                              Computer Engineer                         </td></tr> </table>			<b>HIGH SCHOOL DIPLOMA</b> Entry Level Drafter Technical Illustrator Estimator	<b>2-YEAR ASSOCIATE DEGREE</b> Architectural Engineering Technician Civil Engineering Technician Engineering Design Technician Electrical Engineer Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Civil Engineer Environmental Engineer Electrical Engineer Computer Engineer
<b>HIGH SCHOOL DIPLOMA</b> Entry Level Drafter Technical Illustrator Estimator	<b>2-YEAR ASSOCIATE DEGREE</b> Architectural Engineering Technician Civil Engineering Technician Engineering Design Technician Electrical Engineer Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Civil Engineer Environmental Engineer Electrical Engineer Computer Engineer			

## MAJOR: MATHEMATICS

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b>  Algebra 2 Calculus/AP Cal. (Required) Pre-Calculus Prob. & Stats Math 120	<b>COMPLEMENTARY COURSEWORK</b>  Accounting 1, 2 Mech. Drafting & Design 1 Other Computer Courses Physics Project Lead the Way Courses Teacher Cadet	<b>EXTENDED LEARNING OPPORTUNITIES</b> <b>(Options related to major)</b>  Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship			
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>  <table> <tr> <td data-bbox="149 1827 626 2052"> <b>HIGH SCHOOL DIPLOMA</b>                              Bank Teller                              Accounts Clerk                              Bookkeeper                         </td><td data-bbox="626 1827 1104 2052"> <b>2-YEAR ASSOCIATE DEGREE</b>                              Accountant                              Tax Preparer                              Accounts Payable/Receivable                         </td><td data-bbox="1104 1827 1579 2052"> <b>4-YEAR DEGREE &amp; HIGHER</b>                              Certified Public Accountant                              Stock Broker                              Educator                              Statistician                         </td></tr> </table>			<b>HIGH SCHOOL DIPLOMA</b> Bank Teller Accounts Clerk Bookkeeper	<b>2-YEAR ASSOCIATE DEGREE</b> Accountant Tax Preparer Accounts Payable/Receivable	<b>4-YEAR DEGREE &amp; HIGHER</b> Certified Public Accountant Stock Broker Educator Statistician
<b>HIGH SCHOOL DIPLOMA</b> Bank Teller Accounts Clerk Bookkeeper	<b>2-YEAR ASSOCIATE DEGREE</b> Accountant Tax Preparer Accounts Payable/Receivable	<b>4-YEAR DEGREE &amp; HIGHER</b> Certified Public Accountant Stock Broker Educator Statistician			

## MAJOR: SCIENCE

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Anatomy & Physiology Biology 101 Biology 102 Biology AP Biology Honors Chemistry AP Chemistry Honors Environmental Science AP Field Technique & Ecology Physics Honors	Agriculture Courses Computer Courses Earth Science Foods & Nutrition 1, 2 Physical Education Project Lead the Way Courses Psychology/Sociology Sports Medicine 1, 2 Teacher Cadet	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Environmental Management Landscaper Zoo Attendant Production Worker	<b>2-YEAR ASSOCIATE DEGREE</b> Material Handler Forestry Technician Veterinarian Assistant Lab Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Chemist Educator Physicist Meteorologist Ecologist

## MAJOR: AUTOMOTIVE TECHNOLOGY

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Automotive Technology 1 Automotive Technology 2 Automotive Technology 3 Automotive Technology 4	Agricultural Power Mechanics Agricultural Structural Mech. Computer Courses Entrepreneurship Mechatronics Intgr. Tech 1 Physics	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Maintenance Technician Bus Driver Mechanic Helper	<b>2-YEAR ASSOCIATE DEGREE</b> Service Technician Automotive Technician Mechanic Auto Body Repairman	<b>4-YEAR DEGREE &amp; HIGHER</b> Mechanical Engineer Automotive Design Engineer Automotive Business Entrepreneurship





## MAJOR: AGRICULTURAL SCIENCE & MECHANICS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Ag. Science & Tech. for the Workplace Ag Science & Technology Agricultural Power Mechanics Agricultural Structural Mechanics	Automotive Technology Building Construction Computer Courses Entrepreneurship Mechanical Drafting & Design 1 Science Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Landscape Installer Garden Center Assistant	<b>2-YEAR ASSOCIATE DEGREE</b> Lawn & Garden Center Manager Landscape Installation Business Owner Greenhouse Operations Manager Golf Course Superintendent	<b>4-YEAR DEGREE &amp; HIGHER</b> Agriculture Extension Agent Landscape Architect Agricultural Economist

## MAJOR: HEALTH SCIENCE

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Health Science 1 (1 Credit)* Health Science 2 (1 Credit) Health Science 3 (1 Credit) Health Science Clinical Study (2 units)	Anatomy & Physiology Biology 2/Biology 102 Entrepreneurship Foods & Nutrition 1, 2 Psychology/Sociology Sports Medicine 1, 2	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Certified Nursing Assistant Home Health Assistant Nursing Aide Unit/Ward Secretary	<b>2-YEAR ASSOCIATE DEGREE</b> Dental Assistant or Hygienist Medical Laboratory Technician Phlebotomist Respiratory Therapist Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Nurse Therapist Health Care Administrator Nurse Practitioner





## MAJOR: MEDICAL SCIENCE & RESEARCH

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Biology 101 Biology 102 Biology AP Calculus AP/Calculus Chemistry AP Chemistry Honors English AP English Composition (Eng 101) Introduction to Criminal Justice (CRJ 101) Other Lab Science Probability & Statistics	Entrepreneurship Foods & Nutrition 1, 2 Health Science 1, 2 Other Science Courses Psychology/Sociology Sports Medicine 1, 2	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Medical Record Clerk Lab Assistant	<b>2-YEAR ASSOCIATE DEGREE</b> Radiographer Lab Technician Health Info. Technologist Nuclear Medicine Technologist	<b>4-YEAR DEGREE &amp; HIGHER</b> Medical Researcher Physician or Dentist Forensic Scientist Pathologist

## MAJOR: PHYSICAL/OCCUPATIONAL THERAPY

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Health Science 1 Other Lab Science Psychology/Sociology Sports Medicine 1, 2	Anatomy & Physiology Biology 102 Biology AP Computer Courses Health Science 1, 2 Physical Education Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Personal Trainer Physical Therapy Aide Pharmacy Aide Occupational Therapy Aide	<b>2-YEAR ASSOCIATE DEGREE</b> Physical Therapy Assistant Pharmacy Technician Occupational Therapy Asst. Surgical Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Athletic Trainer Physical Therapist Orthopedic Surgeon Sports Psychologist





## MAJOR: COUNSELING & SOCIAL WORK

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
English Composition (Eng 101) Human Geography AP Parenting Education 1 Probability & Statistics Psychology/Sociology Psychology 201 Teacher Cadet	Creative Writing (1/2) Family & Consumer Science Integrated Business Apps. 1 Health Science 1 Other Business Courses Parenting Education 2 Public Speaking (1/2) World Language Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Day Care Worker Health Care Provider	<b>2-YEAR ASSOCIATE DEGREE</b> Instructional Assistant After-School Program Supervisor	<b>4-YEAR DEGREE &amp; HIGHER</b> Counselor Educator Social Worker Child Psychologist

## MAJOR: CHILD DEVELOPMENT & FAMILY SCIENCE

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Parenting Education 1 Family & Consumer Science Foods & Nutrition 1 Housing & Interiors 1 Personal Finance	Parenting Education 2 Fashion, Fabric & Design 1, 2 Food & Nutrition 2 Housing & Interiors 2 Health Science 1 Integrated Business Apps. 1 Psychology/Sociology Teacher Cadet Culinary Art 1, 2 Family & Consumer Science 2	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Day Care Worker Preschool Aide Child Care Provider	<b>2-YEAR ASSOCIATE DEGREE</b> Instructional Assistant Child Day Care Supervisor After-School Program Supervisor	<b>4-YEAR DEGREE &amp; HIGHER</b> Preschool Director Counselor Educator Child Psychologist





## MAJOR: FASHION CONSTRUCTION & DESIGN

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Art 1 Fashion, Fabric & Design 1, 2 Mechanical Drafting & Design 1	Drawing 1 Entrepreneurship Family & Consumer Science Housing & Interiors 1, 2 Integrated Business Apps. 1 Marketing Courses Psychology/Sociology Public Speaking (1/2) Teacher Cadet World Language	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Sales Associate Seamstress	<b>2-YEAR ASSOCIATE DEGREE</b> Floral Designer Sign Painter	<b>4-YEAR DEGREE &amp; HIGHER</b> Interior Designer Educator

## MAJOR: COSMETOLOGY

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED) (Career & Technology Completer Major)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
Cosmetology 1 Cosmetology 2 Cosmetology 3 Cosmetology 4	Chemistry Drawing 1 Family & Consumer Science Housing & Interiors 1, 2 Integrated Business Apps. 1 Marketing Courses Personal Finance Psychology/Sociology Public Speaking Teacher Cadet World Language	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Salon Receptionist Data Entry	<b>2-YEAR ASSOCIATE DEGREE</b> Salon Hair Stylist Beauty School Owner	<b>4-YEAR DEGREE &amp; HIGHER</b> Cosmetology Teacher Beauty School Owner



## MAJOR: SOCIAL STUDIES

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b> Government/Economics Government/Economics AP Government/Economics Honors Introduction to Criminal Justice (CRJ101) Law Education Psychology/Sociology Psychology 201 U.S. History Honors US History AP World Geography World History AP Human Geography	<b>COMPLEMENTARY COURSEWORK</b>  Computer Courses Fine Arts Courses Public Speaking (1/2) Teacher Cadet World Language Courses	<b>EXTENDED LEARNING OPPORTUNITIES (Options related to major)</b>  Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>		
<b>HIGH SCHOOL DIPLOMA</b> Tour Guide	<b>2-YEAR ASSOCIATE DEGREE</b> Legislative Assistant Legal Assistant Court Reporter	<b>4-YEAR DEGREE &amp; HIGHER</b> Educator Public Administrator Historian Social Worker

## MAJOR: MILITARY SCIENCE

<b>REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)</b>  NJROTC Naval Science 1 NJROTC Naval Science 2 NJROTC Naval Science 3 NJROTC Naval Science 4	<b>COMPLEMENTARY COURSEWORK</b>  NJROTC Leadership Lab Naval Science Staff & Command Business Courses Psychology/Sociology World Language Courses Physical Education Courses Intro. to Criminal Justice World Geography World History	<b>EXTENDED LEARNING OPPORTUNITIES (Options related to major)</b>  Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> <b>(For additional college entrance requirements refer to school of your choice.)</b>		
<b>HIGH SCHOOL DIPLOMA</b> Law Enforcement Officer Military Recruit Military Recruiter Correctional Officer	<b>2-YEAR ASSOCIATE DEGREE</b> Law Enforcement Officer Military Recruit Military Recruiter Correctional Officer	<b>4-YEAR DEGREE &amp; HIGHER</b> Military Officer FBI Agent Federal Marshall Secret Service Agent



## MAJOR: LAW & LEGAL SERVICES

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
American Government AP English English 101 Government/Economics Honors Introduction to Criminal Justice (CJR 101) Law Education Psychology/Sociology Speech (1/2) AP Government/Economics Amer Government PSC 201	Creative Writing (1/2) Digital Multimedia JROTC Other Computer Courses Personal Finance Social Media for Business	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<b>Professional Opportunities Upon Graduation</b> (For additional college entrance requirements refer to school of your choice.)		
<b>HIGH SCHOOL DIPLOMA</b> Legal Receptionist Legal File Clerk	<b>2-YEAR ASSOCIATE DEGREE</b> Paralegal Inspector & Compliance Officer	<b>4-YEAR DEGREE &amp; HIGHER</b> Judge Lawyer

## MAJOR: OCCUPATIONAL CREDENTIAL

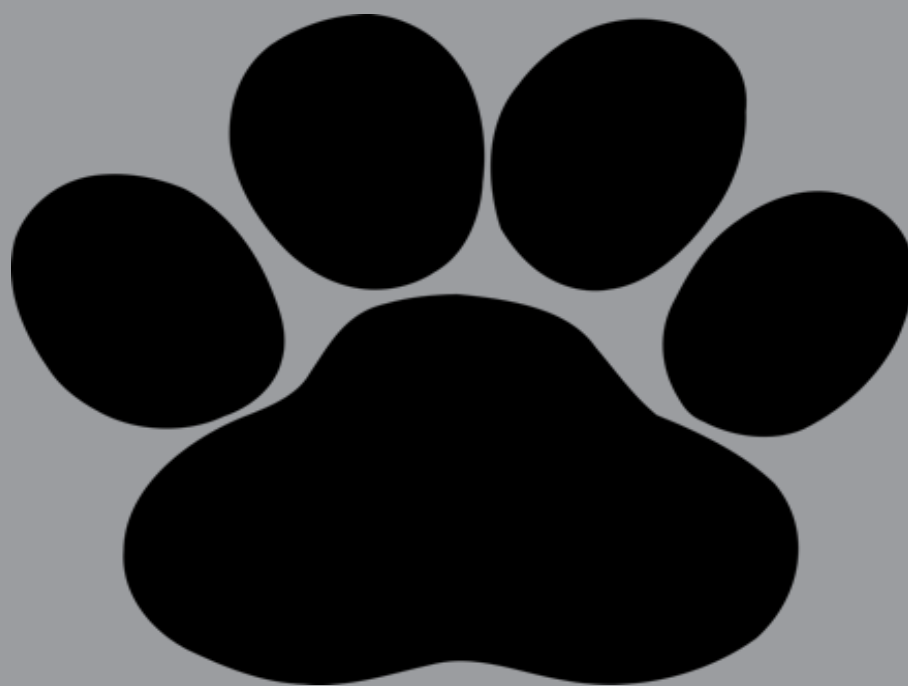
<b>REQUIRED LIFE SKILLS COURSES FOR CREDENTIAL (3 of 4 CREDITS REQUIRED)</b>  Foods and Nutrition1 Parenting Education 1 Family and Consumer Sciences Introduction to Transportation Google Applications Agricultural Science and Technology Personal Finance Automotive Technology	<b>EXAMPLE OF COMPLEMENTARY COURSEWORK ELECTIVE:</b>  Keytrain Law Education Health Science 1 Journalism 1 Fashion, Fabric & Design 1 Culinary Art 1 Foods and Nutrition 2 Housing and Interiors 1 Home Systems Technology Agricultural Science and Technology	<b>REQUIRED CAREER LEARNING OPPORTUNITIES:</b>  School-based Internship Community-based Internship  <b>EXTENDED LEARNING OPPORTUNITIES:</b>  Career shadowing
<b>GRADUATION REQUIREMENTS FOR CREDENTIAL:</b>		
English Foundations 4.0 Units Math Foundations 4.0 Units Science and/or Social Studies 4.0 Units Life Skills 3.0 Units Physical Education or NJROTC 1.0 Unit School based internship 1.0 Unit	Community based internship 1.0 Unit Computer Science 1.0 Unit (may be taken as a pre-requisite in 8th grade) Electives and/or internships 5.0 Units  Total 24.0 Units	







**YCHS**



**FRESHMEN  
COURSE  
OFFERINGS**



## PROGRAM OF STUDY, GRADE 9

Students in Grade 9 are expected to be enrolled in a full schedule of classes giving them the potential to **earn up to 8 units of credit during the freshman year**. In registering for the school year, they are to select course requests from those listed in the chart below. The goal for each 9th grade student is to successfully complete the year and earn promotion to the 10th grade. In an effort to promote academic success for all freshmen, some students may be scheduled in yearlong academic classes.

### Required - choose at least one from each subject area:

SUBJECT AREA	COURSES
English	English 1, English 1-CP, English 1-H, English 2-CP, English 2-H
Math	Foundations of Algebra, Intermediate Algebra, Algebra 1-CP, Algebra 1-H, Algebra 2-H
Science	Physical Science - CP, Biology - H
Social Studies	World History - H, World Geography
PE/NJROTC	Physical Education 1 NJROTC Naval Science 1 (Both include the required Health for graduation)
Computer Science	Mechanical Drafting and Design 1, Integrated Business Application (IBA) 1, Digital Electronics (DE), Principles of Engineering (POE), Google Applications, Exploring Computer Science, Web Page Design 1

### Electives - choose up to two units

English	Creative Writing - CP, Public Speaking - CP
Visual and Performing Arts	Art 1, Theatre 1, Marching/Concert Band (2 units), Concert Choir (2 units), Hand Bell Ensemble, Women's Ensemble
World Languages	Spanish 1, French 1, and Latin 1
Career and Technology Electives	Mechatronics Integrated Technology (MIT), Agriculture & Science Tech. 1, Family & Consumer Science, Fashion & Fabric 1, Foods and Nutrition 1, Housing & Interiors 1, Introduction to Culinary Arts, Marketing, Home System, Digital Multimedia , Computer Services Technology, Image Editing, Google Applications, Integrated Business Applications 1, Exploring Computer Science

No student will be denied access to take any course as long as they have passed the appropriate prerequisite course and met all prerequisite requirements. All courses in the registration guide may not be available. Student entrance into a course may be restricted as a result of scheduling limitations.

## ENGLISH LANGUAGE ARTS

Students are required to earn 1 unit of English credit each year of high school and are required to complete four (4) units of English to receive a high school diploma.

### 302400CW ENGLISH 1 1 Unit Grade 9

*Prerequisite: MAP and/or PASS scores*

This course is designed for students who may need more support to be successful readers and writers. The content covered includes literature and informational texts, vocabulary, and written and oral communication.

**South Carolina End-of-Course Examination required.**

### 302401CW ENGLISH 1 — CP 1 Unit Grade 9

This course is designed for students working on or above grade level who are planning on attending college after high school. The content covered includes literature and informational texts, vocabulary, and written and oral communication. **South Carolina End-of-Course Examination required.**

### 302400HW ENGLISH 1 - H 1 Unit Grade 9

The content covered includes an in-depth study of literary genres and accompanying written literary analysis. Extensive reading, writing, and oral presentations refine the critical thinking skills necessary for advanced work.

**South Carolina End-of-Course Examination required.**

### 302501CW ENGLISH 2 - CP 1 Unit Grades 9-10

*Prerequisite: English 1, English 1-CP, or English 1-H*

This course is designed for students working on or above grade level who plan on attending college after high school. Genre study is emphasized, in addition to practicing written and oral communication.

### 302500HW ENGLISH 2 - H 1 Unit Grades 9 - 10

*Prerequisite: English 1-CP or English 1-H*

The overall objective of this course is related to the concepts of critical thinking, the reading of multi-cultural literary genres, and written literary analysis. Extensive outside reading, frequent written assignments, Socratic seminars, and presentations afford the student ongoing opportunities to develop the critical thinking skills necessary for success in AP English and college.

## Electives

### 303202CH CREATIVE WRITING - CP 1/2 Unit - Elective Credit Grades 9-12

Creative writing is a course for refining writing skills and expressing creativity. Students compose poetry, short stories, drama, and non-fiction.

### 304001CH PUBLIC SPEAKING - CP 1/2 Unit - Elective Credit Grades 9-12

The course covers the basics of public speaking and provides students with the opportunity to practice and refine speaking skills.

FRESHMEN

## MATHEMATICS

Students are required to earn 1 unit of math credit each year of high school and are required to complete four (4) units of math to receive a high school diploma.

### 411600CW FOUNDATIONS IN ALGEBRA 1 UNIT

#### Grade 9

In this year one algebra course students build mathematical competency as they explore a variety of topics. This course includes the following topics: data analysis, elementary algebra, the algebra of straight lines, graphical estimation, using lines and equations and describing functions with algebra. Intermediate Algebra is the follow-up course and students will take the Algebra 1 EOC after completing both courses.

### 411401CW ALGEBRA 1 – CP 1 Unit Grade 9-10

This course is intended to establish the fundamental mathematic skills necessary for the college bound student. It includes an in-depth study of operations with integers, monomials, and polynomials, solving equations, and graphing in a coordinate plane. A graphing calculator is recommended. **South Carolina End-of-Course required.**

### 411400HW ALGEBRA 1 – H 1 Unit Grade 9

*Prerequisite: Completion of Transition Math with a 90 or better average.*

This course is for 4-year college prep students. It includes an in-depth study of operations with integers, rational and exponential functions, monomials and polynomials, solving quadratic equations, slope as a rate of change, line of best fit and graphing in a coordinate plane. All students taking this course must take the South Carolina End of Course Test. It is recommended that the student have a graphing calculator.

### 411501CW ALGEBRA 2 – CP 1 Unit Grades 9-10

*Prerequisite: Algebra 1*

This course covers an in-depth study of linear, quadratic, exponential, logarithmic, absolute value, radial and rational functions. The objective of this course is to provide a challenging course that exposes high school students with excellent mathematical skills to the concepts of Algebra II. The students will be able to discuss functions from a numerical, graphical, and analytical point of view. The students will solve problems with and without technology to model real world phenomenon. It is recommended that the student have a graphing calculator.

### 411500HW ALGEBRA 2 – H 1 Unit Grades 9-10

*Prerequisite: Algebra 1 Honors ("B" or better recommended) or Teacher recommendation.*

This course is for the advanced Algebra student. It covers the topics learned in Algebra 2 on a higher level and also covers exponential, logarithmic, and trigonometric functions. The student must provide a graphing calculator.

## SCIENCE

Students are expected to earn 1 unit of science credit each year and are required to complete three (3) units of sciences to receive a high school diploma. Biology 1, Chemistry 1, and any other course for which Biology or Chemistry is a prerequisite are recognized as a lab science by colleges and universities. Physical Science is not recognized as a lab science by colleges and universities.

*\*Students must successfully complete an end-of-course tested science unit by the end of 10th grade to meet requirements for graduation. (Current required course is Biology)*

### 321101CW PHYSICAL SCIENCE - CP 1 Unit Grades 9-10

This course covers the basic concepts of chemistry and physics. Lectures, films, demonstrations, and laboratory sessions are part of the course.

### 322100HW BIOLOGY 1 - H 1 Unit Grades 9-10

This course is designed for students performing at an advanced level in mathematics and sciences and involves intensive study of biological principles in preparation for further study in Honors and Advanced Placement high school science courses and college science majors. This course offers a more rigorous approach to the study of fundamental characteristics of living organisms. Lectures, independent work, lab sessions, and computer technology are integrated into the instruction. **SC End of Course examination is required.**

## SOCIAL STUDIES

Students are expected to earn 1 unit of social studies credit each year and are required to complete three (3) units of social studies to receive a high school diploma. One unit must be in U.S. History and Constitution, 1/2 unit must be in Economics, which includes instruction in personal finance, and 1/2 unit must be in American Government. The third credit should be selected from other social studies courses. Elective courses in social studies are open to all students unless limited by prerequisites, and may be taken concurrently with required ones.

### 331001CW WORLD GEOGRAPHY CP 1 Unit Grades 9-12

The focus of World Geography is the physical and cultural characteristics of Earth. The course is organized systematically around the topics of

region, physical earth dynamics, population, culture, economic systems, urban systems, political systems, and the environment. Critical thinking will be emphasized in this course with stress placed on the development of spatial thinking skills and competency related to the five themes of geography: location, place, regions, movement, and human-environment interaction. Map-reading skills and the use of geographic models and geographic information systems will be an integral part of this course.

**336000HW**  
**WORLD HISTORY: MAKING OF THE MODERN WORLD - H**  
**1 Unit**  
**Grades 9-12**

This course consists of the same content material as World History: Making of the Modern World CP but on an advanced level with greater depth, exploration, and rigor.

## WORLD LANGUAGE

Students who plan to attend a four year college or university must satisfy a minimum requirement of two units of the same foreign language. Some colleges recommend three units of study in the same language. It is recommended that college bound students plan to take three levels of the same language during their high school career; however, students are not required to take a foreign language to earn a high school diploma. The district world language program adheres to the S.C. Academic Standards for Modern and Classical Languages and to national standards and is designed to accommodate all students by appealing to a variety of learning styles. **All students have the opportunity to study world languages.**

The World Language Department offers four levels of language study.

**Level 1** courses are designed to help students acquire a basic knowledge of the target language.

**Level 2** courses are designed to help students expand on their basic knowledge of the target language.

**Levels 3, 4 and AP (Advanced Levels)** courses are designed to help students expand on their knowledge of the target language.

**365101CW**  
**SPANISH 1 - CP**  
**1 Unit**  
**Grades 9-12**

Spanish 1 begins the study of the Spanish language for the college bound student. It concentrates on basic pronunciation, listening and reading skills, and elementary grammar and writing skills. All three modes of communication (Interpretive, Interpersonal, and Presentational) are integrated into the units and assessments. Authentic materials such as videos, magazines, and listening activities are incorporated into the lessons. Culture is an integral part of each unit.

**361101CW**  
**FRENCH 1-CP**  
**1 UNIT**  
**Grades 9-12**

French 1 begins the study of the French language for the college bound student. It concentrates on basic pronunciation, listening and reading skills, and elementary grammar and writing skills. All three modes of communication (Interpretive, Interpersonal and Presentational) are integrated into the units and assessments. Authentic materials such as videos, magazines and listening activities are incorporated into the lessons. Culture is an integral part of each unit.

**363100CW**  
**LATIN 1-CP**  
**1 UNIT**  
**Grades 9-12**

This course begins the study of the Latin language by analyzing the basic grammar and vocabulary of the language. Pronunciation, parts of speech, sentence structure, grammar and vocabulary of Latin will be introduced along with general information regarding the Roman way of life and the Roman Empire. Of special note will be the analysis of how Latin and the use of its roots, suffixes and prefixes have enriched the English language in the expansion of our own vocabulary.

## VISUAL & PERFORMING ARTS

The Fine Arts Department consists of studies in art, band, chorus, and drama. Art students at all levels study how art reflects, records and shapes history, and plays a role in every culture. All students keep sketchbooks, journals and portfolios, take curriculum-related field trips to view historical and professional art, and participate in many displays and competitions. Students must furnish some art supplies. It is highly recommended that all students enroll in at least one fine arts course during their tenure in high school. Four-year college entrance requirements include one unit in fine arts.

### VISUAL ARTS

**350101CW**  
**ART 1 - INTRODUCTION TO VISUAL DESIGN**  
**1 Unit**  
**Grades 9-12**

This course is an introductory art course designed for all students who have an interest in learning about the theory and practice of drawing, painting, design, art appreciation and art history. In addition to studio art projects, students will participate in gallery discussions, readings in art history and criticism, and keep a sketchbook. **This course is a prerequisite for all visual arts courses.**

**FRESHMEN**

## **PERFORMING ARTS**

### **452101CW THEATRE 1 1 Unit**

#### **Grades 9-12**

This course focuses on the basics of drama, students will expand their knowledge of theatre structure, variety and history. Students will develop skills in various aspects of theatre and film. This course provides an opportunity for students to gain an appreciation for skills in the art of theatre and film.

## **INSTRUMENTAL MUSIC**

### **BAND**

These are the performance band classes that participate in football games, parades, concerts, festivals, contests, and national musical events. Members are required to attend band camp, which is held prior to the beginning of school, and also after-school practices and performances. All styles of music are studied. A major performance trip is usually scheduled every other year.

***Students are required to take both semesters of Band.***

*Prerequisite: Students must have a positive attitude toward achieving excellence and will be placed into the appropriate course of audition.*

### **FIRST SEMESTER**

**353010CW MARCHING BAND  
353030CW COLOR GUARD**

### **SECOND SEMESTER**

**353015CW CONCERT BAND  
353031CW WINTER GUARD**

### **CHORAL MUSIC**

All courses in choral music are open to all students upon completion of an audition with the choral director to determine appropriate ensemble placement. All courses involve instruction in sight singing, basic theory, and vocal technique and performance opportunities. Rehearsals and performances after school hours are required and make up a significant portion of each student's

grade. Students must register for both semesters unless an exception is approved by the choral director.

### **354011CW WOMEN'S CHORUS ENSEMBLE 1 Unit**

#### **Grades 9-12**

*Prerequisite: 8th grade chorus or successful audition with Choral Director. Concurrent enrollment in Advanced Women's Ensemble required.*

This vocal group consisting of female voices studies and performs 2 and 3 part choral music as well as develops each student's sight reading skills and music literacy. Rehearsals and performances after school hours are required.

### **354012CW WOMEN'S CHORUS - ADVANCED 1 Unit**

#### **Grades 9-12**

*Prerequisite: Women's Ensemble or successful audition with Choral Director. Concurrent enrollment in Women's Ensemble required.*

This course is a continuation of the previous semester's repertoire and skills.

### **354021CW CONCERT CHOIR 1 Unit**

#### **Grades 9-12**

*Prerequisite: Previous Chorus experience or placement after audition with Choral Director. Concurrent enrollment in Advanced Concert Choir required.*

This course is designed for advanced students with previous experience. Made up of male and female voices, the group studies advanced choral literature, performs often, and participates in several clinics, festivals, and competitions. Students should also register for Advanced Concert Choir.

### **354022CW ADVANCED CONCERT CHOIR 1 Unit**

#### **Grades 9-12**

*Prerequisite: Concert Choir during previous semester. Concurrent enrollment in Concert Choir is required.*

Continuation of Concert Choir within same school year.

### **354400CW HAND BELL ENSEMBLE 1 1 Unit**

#### **Grades 9-12**

*Prerequisite: Approval of Director prior to registration.*

This course is open to all high school students. No prior musical experience necessary. Bell techniques and music reading skills are explored with some required after school performances. Maximum class size is 15 students.



## MILITARY SCIENCE NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS

NJROTC offers an exciting and challenging academic program designed to encourage critical and creative thought and an opportunity to achieve leadership in the school and the community. This course will provide valuable preparation for students interested in Navy programs such as the US Naval Academy and college Navy ROTC programs. With two and three years of Naval Science instruction, students will be able to enlist in the Armed Forces at an advanced pay grade after high school graduation. **No military obligation will result from participation in the NJROTC program.** Naval JROTC Cadets will have the opportunity to be members of exciting extra-curricular teams and activities such as the Drill Team, Color Guard, Honor Guard, Air Rifle Marksmanship Team, Orienteering Team and Academic Team. Field trips of interest, including at-sea training when available, are an important part of the NJROTC program. Cadets are furnished complete summer and winter uniforms **at no cost**, which are property of the U.S. Government and must be properly cared for and returned at the end of the NJROTC enrollment. A nominal fee is normally required for name tags and other unit items. These fees can usually be covered if and when cadets participate in unit fundraising activities.

### 375101CW NJROTC NAVAL SCIENCE 1 1 Unit Grade 9

*Prerequisites: None [Summer Basic Leadership Training (mini-boot camp) and freshman indoctrination recommended.]*

Topics of this course include: Introduction to NJROTC, Military Drill, Leadership and Follower-ship Skills, Citizenship and American Government, Navy Ships, Naval Aviation, Military Customs and Courtesies, Wellness/Fitness and First Aid, Geography and Survival Skills. Students will be afforded the

opportunity to advance, and assume leadership positions within the Naval Science 1 class. Cadets will have the opportunity to visit a military base during the course. Career planning opportunities will be presented and unit/community service projects will be made available. Although 9th grade cadets are only allowed one semester of Naval Science, they are strongly encouraged to be active all year with the extracurricular teams, fundraising projects and other unit and community service projects. *Comprehensive Health, as required by state regulation, is taught as a part of this course.*

## PHYSICAL EDUCATION

One credit of Physical Education is required for a student to be awarded a state high school diploma. A student may enroll in NJROTC for one unit to meet the physical education course requirement. All Physical Education courses are coeducational.

### 344102CW PHYSICAL EDUCATION 1 1 Unit Grade 9

This course exposes students to numerous fitness, sports related, and leisure-time activities with major emphasis placed on physical and lifetime fitness, basic sports skills, and game knowledge. Lifetime appreciation for physical fitness and healthy choices will be emphasized.

**Students are required to dress in appropriate attire as part of their grade. Guidelines for appropriate attire will be provided.** *Comprehensive Health, as required by state regulation, is taught as a part of this course.*

## CAREER & TECHNOLOGY EDUCATION FRESHMEN COURSE OFFERINGS

### POLICY STATEMENT

Technology courses prepare students for full-time employment in their chosen field upon high school graduation or for further training at a two or four-year college. All of the programs offer skills which prepare the students to participate in a rigid certification test which will guarantee higher wages on the job or advanced placement in college. Technology courses are standard-based; therefore, students are required to strive for maximum competencies in order to receive credit for the course.

## ARTS AND HUMANITIES AREA ARTS, A/V TECHNOLOGY & COMMUNICATIONS CLUSTER

### 617201CW MECHANICAL DRAFTING & DESIGN 1 1 Unit Grades 9-12

This is a technical drawing course recommended for students planning to study engineering, architecture or planning a career in any design field. Students learn to draw plans, work with blueprints, study freehand sketching, learn to draw using mechanical drawing techniques, and study computer aided design and drafting (CADD) using AutoCAD. Course fee is \$15.00. **Course counts as a computer science unit required for graduation.**

FRESHMEN

## Business, Management & Information Technology Area

Students considering business as a career or college major are strongly encouraged to examine the Business Management and Administrative Programs.

Students enrolled in business courses are encouraged to join Future Business Leaders of America (FBLA). The club promotes professionalism and business growth and allows students opportunities to compete in various business subject areas. Dues are \$15.00 and payable by mid-October.

### 502001CW INTEGRATED BUSINESS APPLICATIONS 1

1 Unit

Grades 9-12

*Prerequisite: Keyboard Proficiency*

This course provides knowledge of computer systems, applications software, and business information technology. It emphasizes business computer concepts, basic computer terminology, and use of applications software. The course prepares students to earn Microsoft Office Specialist (MOS) certification. Course fee is \$10.00. **Course counts as a computer science unit required for graduation.**

### 502300CW EXPLORING COMPUTER SCIENCE

1 Unit

Grades 9-10

*Prerequisite: Requires strong math skills and keyboarding skills*

This course is designed to allow students to explore a variety of computer programming, problem solving and robotics. The curriculum is divided into six 3-week units. This course is intended for students who have an interest in Computer Programming, Computer Service Technology or Networking. Course fee is \$10.00. **Course counts as a computer science unit required for graduation.**

### 503000CW DIGITAL MULTIMEDIA

1 Unit

Grades 9 -12

*Prerequisite: Keyboarding Skills, or IBA 1*

This course covers multimedia concepts and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development and creation of multimedia presentations and publications within an interactive environment. Course fee is \$10.00.

### 507000CW GOOGLE APPLICATIONS

1 Unit

Grades 9 -12

*Prerequisite: Keyboarding proficiency*

This course is designed to introduce the student to the many applications that Google offers. Students will be learning and working with 21st century communication and collaboration tools. Course fee is \$10.00. **Course counts as a computer science unit required for graduation.**

## INFORMATION TECHNOLOGY

### 533001CW HOME SYSTEMS TECHNOLOGY (DHTI+)

1 Unit

Grades 9 -12

*Prerequisite: Basic computer knowledge and strong reading and math skills.*

This course gives students hands-on experience with smart home sub-systems. Practice includes training on structured wiring, residential systems, and system integration concluding in a final design project. The course prepares students for the Home Technology Integration Certification exam (HTI+). Course fee is \$15.00

### 532000CW COMPUTER SERVICE TECHNOLOGY

1 Unit

Grades 9 -12

*Prerequisite: Basic computer knowledge and strong math skills.*

This course focuses on teaching the knowledge and skills needed for entry-level positions in the microcomputer industry. Basic networking concepts and the functions and configuration of a network are covered. Upon successful completion of this course, students will receive a Certificate of Completion for IT Essentials 1: PC Hardware and Software. The course will help prepare students for the CompTIAA+ certification exam. Course fee is \$15.00

### NETWORKING FUNDAMENTALS 1 UNIT

GRADES 9-11

*Prerequisite: C average or better in Algebra 1 or Intermediate Algebra and basic computer skills.*

Instruction is based on industry domains including network architecture, network operations, network security, network troubleshooting, industry standards, practices and network theory and workplace readiness and leadership skills,

## MARKETING, SALES & SERVICE CLUSTER

### 542100CW MARKETING

1 Unit

Grades 9 -11

A foundation for all Marketing completers's, this course covers marketing, business and human resources foundations. Selling, promotion, distribution, risk management and pricing are also covered. Course fee is \$10.00

## Engineering, Manufacturing & Industrial Technology Area

Students enrolled in Engineering & Industrial Technology Education will belong to Skills USA.

### MANUFACTURING CLUSTER

#### 621000CW MECHATRONICS INTEGRATED TECHNOLOGIES 1 (MIT) 1 Unit Grade 9-12

This course prepares students for a technician career path or higher education engineering degrees. The program covers electrical/electronics, mechanical, information technology and information systems. Course fee is \$5.00.

#### 604501CW INTRODUCTION TO MANUFACTURING 1 UNIT GRADES 9-10

This course is an entry-level course in the manufacturing operations major provides students an introduction to manufacturing industries and may be used as a prerequisite for any of the manufacturing careers: Electronics Technology, Machine Technology, Mechatronics, Integrated Technologies, Metal Fabrication, and Welding. Students will also receive basic instruction in soft skills, Six-sigma, Lean Manufacturing, facilities operation and other knowledge needed to work effectively in a manufacturing or industrial setting. Course fee is \$5.00

### SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CLUSTER

#### PROJECT LEAD THE WAY

Opportunities to receive dual credit with approval from the University of South Carolina, Clemson, and The Citadel may be available. Credit is awarded based upon enrollment in the Project Lead the Way (Pre-engineering) foundation courses; PSAT, SAT, ACT scores; course average; and PLTW examination scores. [PLTW Foundation courses include:

Introduction to Engineering Design (IED), Principles of Engineering (POE), and Digital Electronics (DE).] Students must qualify to take the PLTW College Level Examination to be eligible to apply for undergraduate credit. College registration, course and PLTW College Examination fees may apply.

#### 605100HW INTRODUCTION TO ENGINEERING DESIGN (IED) 1 Unit Grades 9-12

*Prerequisite: Enrollment in a CP level math course.*

This is a pre-engineering course that introduces students to engineering and helps them develop problem solving skills used in the engineering field. Students learn to design and draw with a computer program called Inventor. The course focuses on the design process including sketching of simple objects and 3-D computer design of solid models. This is a beginning course in a sequence of Project Lead the Way courses. Course lab fee is \$15.00. **Course counts as a computer science unit required for graduation.**

#### 605200HW DIGITAL ELECTRONICS (DE) 1 Unit Grades 9-12

*Prerequisite: Enrollment in a CP level math course.*

Students use computer simulation to

learn about the logic of electronics as they design problems and develop, analyze, and create product models. Course lab fee is \$15.00. **Course counts as a computer science unit required for graduation.**

### ARCHITECTURE & CONSTRUCTION CLUSTER

#### 606002CW BUILDING CONSTRUCTION 1 1 Unit Grades 9-10

These are entry level classes for students who are pursuing occupations in construction related industries. Blueprint reading will be required and taught and students will receive instruction in proper use of hand & power tools. All projects will be hands on. This course requires the student to work outdoors. Course fee is \$15.00.

### TRANSPORTATION, DISTRIBUTION & LOGISTICS CLUSTER

#### 603000CW AUTOMOTIVE TECHNOLOGY 1 1 UNIT GRADES 9-10

This is this first in a series of courses designed to prepare the student for entry level employment in the automotive industry. The course provides students with the basic safety procedures and tool usage.

FRESHMEN

## **AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER**

### **562401CW**

#### **AGRICULTURE SCIENCE & TECHNOLOGY**

**1 Unit**

**Grades 9-11**

This course covers the essential concepts related to plant and animal life; including bio-technology, conservation of natural resources, the impact of agriculture in our society, the importance of agriculture to world welfare, basic personal and community leadership and safety and agricultural mechanical technology. Hands-on learning is emphasized and students participate in personal and community leadership development activities. Each student is expected to design and participate in a School-to-Work transition experience (supervised agricultural experience program). Students also take the Hunter Education Safety course as a part of this class. Course fee is \$15.00.

Instruction and lab experiences

## **HUMAN SERVICES CLUSTER**

Students enrolled in Family and Consumer Science courses are eligible to join Family Career and Community Leaders of America (FCCLA) as a regular or occupational chapter member (Culinary). Both Club Fees are \$15.00. attitudes and skills relevant to personal, home, and family life responsibilities. Course fee is \$10.00.

### **580801CW**

#### **FAMILY & CONSUMER SCIENCES 1**

**1 Unit**

**Grades 9 -12**

This introductory course in home economics emphasizes the physical, social, economic, cultural needs of individuals and families.

emphasize attitudes and skills relevant to personal, home, and family life responsibilities. Course fee is \$10.00.

### **580402CW**

#### **FASHION, FABRIC, AND DESIGN 1**

**1 Unit**

**Grades 9-12**

This course is focused on clothing management. Students gain basic sewing skills necessary for personal and family clothing construction. Course fee is \$10.00

### **572200CW**

#### **INTRODUCTION TO CULINARY ARTS**

**1 unit**

**Grades 9-10**

This course introduces the beginning skills in food preparation, sanitation, workplace safety, and customer service in the food industry. This course will combine culinary theory with laboratory experiences that simulate both commercial and quantity food production. Course fee:TBA

### **583002CW**

#### **HOUSING & INTERIORS 1**

**1 Unit**

**Grades 9-12**

This course is designed to help students acquire knowledge and skills to make housing decisions throughout their life. Topics include: housing styles, home furnishings and equipment, principles of Interior Design, house plan evaluation and selection, and financial aspects of housing. Course fee is \$10.00.

## **NOTICE TO STUDENTS**

The Technology Center offers opportunities for students in academic assistance, career exploration/ selection, and school/work transition. Each student receives an assessment of his or her interests, abilities and special needs as related to success in an educational program. All students, including those certified as handicapped by Special Services/ Vocational Rehabilitation or disadvantaged by the technology center are eligible for opportunities available in technology education. Students are provided opportunities for special services, including adaptation of curriculum, equipment, and facilities designed to meet the needs established for the student.



*We are  
one  
We are  
many...*



# UPPERCLASSMEN COURSE OFFERINGS





## ENGLISH LANGUAGE ARTS

**No student will be denied access to take any course as long as they have passed the appropriate prerequisite course and met all prerequisite requirements. All courses in the registration guide may not be available. Student entrance into a course may be restricted as a result of scheduling limitations.**

Students are required to earn 1 unit of English credit each year of high school and are required to complete four (4) units of English to receive a high school diploma.

### **302500CW ENGLISH 2**

**1 Unit**

**Grade 10**

*Prerequisite: English 1 or English CP*

This course is designed for students who may need more support to be successful readers and writers. The content covered includes literature and informational texts, vocabulary, and written and oral communication. Genre study is emphasized. Students taking English 2 will earn one unit of English CP credit. Placement determined by MAP or EOC scores.

### **302501CW ENGLISH 2 - CP**

**1 Unit**

**Grades 9-10**

*Prerequisite: English 1, English 1—CP, or English 1—H*

This course is designed for students working on or above grade level who plan on attending college after high school. Genre study is emphasized, in addition to practicing written and oral communication.

### **302500HW ENGLISH 2 - H**

**1 Unit**

**Grades 9 - 10**

*Prerequisite: English 1- CP or English 1- H.*

The overall objective of this course is related to the concepts of critical thinking, the reading of multi-cultural literary genres, and written literary analysis. Extensive outside reading, frequent written assignments, Socratic seminars, and presentations afford the student ongoing opportunities to develop the critical thinking skills necessary for success in AP English and college.

### **302600CW ENGLISH 3**

**1 Unit**

**Grade 11**

*Prerequisite: English 2 or English 2-CP*

This course is designed for students who may need more support to be successful readers and writers. The content focus is American literature and longer, more complex written responses. Students taking English 3 will earn one unit of English CP credit. Placement determined by HSAP scores and/or recommendation.

### **302601CW ENGLISH 3 - CP**

**1 Unit**

**Grades 10-11**

*Prerequisite: English 2, English 2-CP, or English 2-H*

Students study American literature by reading a variety of informational and literary texts. This course is designed to strengthen the skills necessary for academic success in high school and college.

### **302600HW ENGLISH 3 - H**

**1 Unit**

**Grades 10 – 11**

*Prerequisite: English 2 - CP or English 2-H*

Students study American literature. Reading and analysis of literary and informational texts is a class requirement. Self-directed research allows the student to reach conclusions that are presented in written, visual, and oral formats.

### **302700CW ENGLISH 4**

**1 Unit**

**Grade 12**

*Prerequisite: English 3 or English 3-CP*

This course is designed for students who may need more support to be successful readers and writers. The content focus is British literature and longer, more complex written responses. Students taking English 4 will earn one unit of English CP credit. Placement determined by previous course grade, recommendation and/or HSAP scores.

### **302701CW ENGLISH 4 - CP**

**1 Unit**

**Grades 11-12**

*Prerequisite: English 3 or English 3-CP.*

Focusing on British literature, students will expand their skills through structured study and independent reading of literary and informational works. This course provides an opportunity for students to strengthen skills and to prepare for entering college or the workplace.

### **302700HW ENGLISH 4 - H**

**1 Unit**

**Grades 11-12**

*Prerequisite: English 3 CP or H.*

This course is designed to provide students with an opportunity to refine their critical thinking skills through a focused study of British literature. Extensive reading and analysis of literary and informational texts is a class requirement.

### **303030CW ENGLISH 5 - CP**

**1 Unit**

**Grade 12**

*Prerequisite: English 4, English 4-CP, or English 4 H*

This fifth year English class offers students an opportunity to refine their critical reading skills through a study of world literature. Essay writing necessary for success in college is emphasized. A review of the ACCUPLACER test skills are also a focus.



**307001AW****ENGLISH LITERATURE & COMPOSITION – AP****1 Unit****Grade 12**

*Prerequisite: English 4 CP or H, Enrollment in Advanced Studies in English-H is required.*

This course is for college-bound seniors who want to develop critical thinking, reading, and writing skills essential for success in college. AP examination is required. College credit may be earned. It is paired with Advanced Studies in English

**Dual Credit Offerings****303032EW****ENGLISH 101 (Composition)****1 Unit – Dual Credit****Grade 12**

*Prerequisites: English 4 CP.*

English 101 is a college level course offered through York Technical College. Topics presented include a study of composition in conjunction with appropriate literacy selections, with frequent themed assignments to reinforce effective writing. Students may be required to pay a registration fee to York Tech and purchase the required textbook. Students may earn 3 hours of college transfer credit.

**303033EW****ENGLISH 102****1 Unit--Dual Credit****Grade 12**

*Prerequisite: English 101 with a grade of a "C" or better.*

This is a (college transfer) course in which the following topics are presented: development of writing skills through logical organization, effective style, literary analysis and research. An introduction to literary genre is also included. Students may earn 3 hours of college transfer credit.

**Electives****303041HW****ENGLISH ADVANCED STUDIES - H****1 Unit – Elective Credit****Grade 12**

This course is required for students who are enrolled in an Advanced Placement course in English. It continues the credentialed College Board curriculum.

**303202CH****CREATIVE WRITING - CP****1/2 Unit - Elective Credit****Grades 9-12**

Creative writing is a course for refining writing skills and expressing creativity. Students compose poetry, short stories, drama, and non-fiction.

**304001CH****PUBLIC SPEAKING - CP****1/2 Unit - Elective Credit****Grades 9-12**

The course covers the basics of public speaking and provides students with the opportunity to practice and refine speaking skills.

**MATHEMATICS**

Students are required to earn 1 unit of math credit each year of high school and are required to complete four (4) units of math to receive a high school diploma.

**INTERMEDIATE ALGEBRA****1 UNIT****GRADE 10**

This is a continuation of Foundations in Algebra. Students will continue to build mathematical competency as they explore a variety of topics.

This course includes the following topics: data analysis, elementary algebra, the algebra of straight lines, graphical estimation, using lines and equations and describing functions with algebra. The Algebra 1 EOC will be taken after completing the course.

**412200CW****GEOMETRY****1 Unit****Grade 11**

*Prerequisite: Algebra 2, MAP and/or PASS Scores, Teacher recommendation*  
*This course is designed for students who may need more support to be successful in Geometry.*

This course deals with quantitative reasoning, transformations in the plane, proving/applying geometric theorems (including theorems about angle relationships, triangles, and circles), making geometric constructions, trigonometric ratios, evaluating data, solving problems involving area, surface area, and volume shapes. It is recommended that the student have a graphing calculator.

**412201CW****GEOMETRY – CP****1 Unit****Grade 11**

*Prerequisite: Algebra 2*

This course deals with quantitative reasoning, transformations in the plane, proving/applying geometric theorems (including theorems about angle relationships, triangles, and circles), making geometric constructions, trigonometric ratios, evaluating data, solving problems involving area, surface area, and volume shapes. It is recommended that the student have a graphing calculator.

**412200HW****GEOMETRY – H****1 Unit****Grade 11**

*Prerequisite:*  
*Completion of Algebra 2 Honors ("B" or better recommended) or Teacher recommendation.*

This course deals with topics covered in Geometry on a high level. In-depth study of transformation and loci are included. A graphing calculator is recommended.

**UPPERCLASSMEN**

**411500CW  
ALGEBRA 2**

**1 Unit**

**Grades 10**

*Prerequisite: Algebra 1 and MAP, EOC and, Teacher recommendation*  
*This course is designed for students who may need more support to be successful in Algebra 2.*

This course covers an in-depth study of linear, quadratic, exponential, logarithmic, absolute value, radial and rational functions. The objective of this course is to provide a challenging course that exposes high school students with excellent mathematical skills to the concepts of Algebra II. The students will be able to discuss functions from a numerical, graphical, and analytical points of view. The students will solve problems with and without technology to model real world phenomenon. It is recommended that the student have a graphing calculator.

**411501CW  
ALGEBRA 2 – CP**

**1 Unit**

**Grades 10**

*Prerequisite: Algebra 1*

This course covers an in-depth study of linear, quadratic, exponential, logarithmic, absolute value, radial and rational functions. The objective of this course is to provide a challenging course that exposes high school students with excellent mathematical skills to the concepts of Algebra II. The students will be able to discuss functions from a numerical, graphical, and analytical point of view. The students will solve problems with and without technology to model real world phenomenon. It is recommended that the student have a graphing calculator.

**411500HW  
ALGEBRA 2 – H**

**1 Unit**

**Grades 9-10**

*Prerequisite: Algebra 1 ("B" or better recommended) or Teacher recommendation.*

This course is for the advanced Algebra student. It covers the topics learned in Algebra 2 on a higher level and also covers exponential, logarithmic, and trigonometric functions. The student must provide a graphing calculator.

**411300CW  
ALGEBRA 3 - CP**

**1 Unit**

**Grades 12**

*Prerequisite: Algebra 2 & Geometry, or teacher recommendation.*

This course is designed for students who have taken Algebra 2 but who do not have a strong enough background to go directly into Pre-calculus. This bridge course includes some of the culminating topics of Algebra 2 and some of the introductory topics of Pre-calculus. Students are expected to use technology, including graphing calculators, computers, and data-gathering equipment throughout the course. The student must provide a graphing calculator.

**413101CW  
PRE-CALCULUS - CP**

**1 Unit**

**Grades 11-12**

*Prerequisite: Algebra 1, Algebra 2, and Geometry ("B" or higher recommended) or teacher recommendation.*

This course covers the same topics as Pre-calculus Honors, but is designed for students who do not plan to take AP Calculus. Students planning to attend college or a technical school to pursue math or science fields of study that require a strong math skills will benefit from taking this course. A graphing calculator must be provided by the student.

**413131HW  
PRE-CALCULUS - H**

**1 Unit**

**Grades 11-12**

*Prerequisite: Algebra 2 and Geometry at the Honors level ("B" or better recommended) or teacher recommendation.*

This course is a 3rd-year college prep course for students who plan to take AP Calculus. The rigor and pace of the course ensure students develop a solid mathematical foundation for the study of AP Calculus. A graphing calculator must be provided by the student.

**314400CW  
MATHEMATICS FOR THE  
TECHNOLOGIES 4**

**1 Unit**

**Grades 12**

*Prerequisite: Must have passed three units of math.*

**FORMALLY APPLIED  
PROBABILITY AND STATISTICS.**

This course focuses on developing a student's understanding of and ability to apply mathematics to solve real-world problems dealing with probability, statistics, and data analysis. Students should have mastered Algebra 1 standards prior to enrolling in this course. Students are expected to use scientific calculators, graphing calculators, and/or computer software in this course. A graphing calculator is recommended.

**414100CW  
PROBABILITY, STATISTICS, AND  
DATA ANALYSIS - CP**

**1 Unit**

**Grade 12**

*Prerequisite: Pre-calculus/Algebra 2 or Algebra 3 and / or teacher recommendation.*

This course focuses on teaching students the fundamental principles of probability and statistics including how to apply these principles to data analysis. Students are expected to utilize scientific calculators, graphing calculators, and/or computer software throughout the year, utilize statistical applications to solve a wide variety of real-world problems. The student must provide a graphing calculator.

**413500HW  
CALCULUS – H**

**1 Unit**

**Grade 12**

*Prerequisites: Pre-calculus Honors or Pre-calculus (B or higher recommended).*

This course is appropriate for students who have completed Pre-calculus and who have a good command of the mathematical skills and knowledge from Algebra 1, 2, and Geometry. A graphing calculator must be provided by the student.

**417001AW  
CALCULUS (AB) - AP**

**1 Unit**

**Grades 11-12**

*Prerequisite: of Pre-calculus Honors ("B" or better recommended) and Advanced Studies in Calculus concurrent enrollment required.*

This course is intended for students who

have a thorough knowledge of college prep mathematics, including algebra, axiomatic geometry, trigonometry, and analytic geometry, rectangular and polar coordinates, equations and graphs, lines and conics. It is assumed that students have acquired a sound understanding of the theory of elementary functions. A graphing calculator must be provided by the student. Students must also register for Advanced Studies in Calculus. College credit may be earned. AP examination is required.

**417200AW**  
**CALCULUS (BC) - AP**

**1 Unit**  
**Grade 12**

*Prerequisites: Advanced Placement Calculus (AB).*

This course includes all topics covered in Calculus AB plus additional topics. This is a very rigorous course and it requires students to have a B or better in prerequisite courses. A graphing calculator must be provided by the student. AP Examination is required.

**Elective Credit Offerings**

**414101HW**  
**CALCULUS ADVANCED**  
**STUDIES (AB) - H**

**1 Unit – Elective Credit**  
**Grades 11-12**

*Prerequisite: Concurrent enrollment in AP Calculus (AB).*

This course is a continuation of the Advanced Placement (AP) Calculus course and must be taken by all students in AP Calculus. The student must provide a graphing calculator.

**Dual Credit Offerings**

**414300EW**  
**PROBABILITIES AND**  
**STATISTICS (MAT 120)**

**1 UNIT**  
**GRADE 12**

*Prerequisites: Qualifying ACCUPLACER Test scores or equivalent SAT and ACT scores.*

This course includes the following topics: introductory probability and statistics, including organization of data, sample space concepts, random variables, counting problems, binomial and normal distributions, central limit theorem, confidence intervals and test hypothesis for large and small samples; types I and II errors, linear regression; and correlation.

**319902EW**  
**COLLEGE ALGEBRA (MAT 110)**

**1 Unit – Dual Credit**  
**Grade 12**

*Prerequisites: Pre-calculus*

This course is a dual credit course offered through York Technical College. This course includes the following topics: polynomial, rational, logarithmic, and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; simple linear programming; solutions of higher degree polynomials; combinatorial algebra, including binomial theorem; introduction to probability. Students may be required to pay a registration fee to York Tech and purchase the required textbook. Students may earn 3 hours of college transfer credit. A graphing calculator must be provided by the student.

## SCIENCE

Students are expected to earn 1 unit of science each year and are required to complete three (3) units of science to receive a high school diploma. Biology 1, Chemistry 1 and any course for which Biology and Chemistry is a prerequisite are recognized as lab sciences by colleges and universities. Physical Science is not recognized as a lab science by colleges and universities.

*\* Students must successfully complete end-of-course tested science unit (Biology) by the end of 10th grade to meet requirements for graduation.*

### **322101CW BIOLOGY 1 - CP 1 UNIT Grades 10**

This course surveys the fundamental characteristics of living organisms. Lectures, films and lab sessions are part of instruction. This course is recommended for the college bound student. **SC End of Course examination is required.**

### **322100HW BIOLOGY 1 - H 1 Unit Grades 10**

*Prerequisites: Physical Science Honors (B or better recommended).* This course is designed for students performing at an advanced level in mathematics and sciences and involves intensive study of biological principles in preparation for further study in Honors and Advanced Placement high school science courses and college science majors. This course offers a more rigorous approach to the study of fundamental characteristics of living organisms. Lectures, independent work, lab sessions, and computer technology are integrated into the instruction. **SC End of Course examination is required.**

### **323101CW CHEMISTRY - CP 1 Unit Grades 11**

*Prerequisites: Algebra 2* This course deals with the nature and structure of matter, the periodic system, chemical reactions and equations, mathematics of chemistry, gases, solutions and solubility, and acid-base relationships. Emphasis is placed on problem solving. Laboratory activities are coordinated to enhance the course content.

### **323102HW CHEMISTRY - H 1 Unit Grades 11**

*Prerequisites: Algebra 2 Honors (or currently enrolled in Algebra 2 Honors) with a recommended grade of B or higher.* This course is a more rigorous study of the nature of matter, the periodic system, chemical reactions and equations, mathematics of chemistry, gases, solutions and solubility, and acid-base relationships. Emphasis is placed on problem solving. Laboratory activities are coordinated to enhance the course content. This course is recommended for the honors-level college bound student.

### **326301CW ANATOMY & PHYSIOLOGY - CP 1 Unit Grades 11-12**

*Prerequisites: Biology I- CP. Grade C or better recommended.* This course is a study of the human anatomy and function. Dissections are an integral part of the learning experience in this class and dissection of the cat and various organs is mandatory. Students who are not willing to dissect will not be permitted to take this course. Course lab fee: \$10

### **324101HW PHYSICS - H 1 Unit Grades 11-12**

*Prerequisites: Recommended grade of B or higher in Physical Science Honors, Algebra 2, and Geometry and concurrent enrollment in Pre-Calculus or higher math.* The content of this course focuses on matter and energy, force and motion, thermodynamics, wave motion, nature of light, electricity and magnetism, nuclear physics, and modern physics. The course emphasizes learning through problem-solving and lab activities, mathematical analysis, scientific inquiry, technological design, and discussions. This course is recommended for students planning to enroll in a 4-year college.

### **326500CW EARTH SCIENCE - CP 1 Unit Grades 10-12**

*Prerequisites: Physical Science and Biology 1 CP are recommended.* This course uses a multidisciplinary approach to incorporate astronomy, meteorology, geology, and oceanography into a holistic explanation of our planet. The course is recommended for students planning to enroll in a two year technical school or entering the work force after high school graduation. **Earth Science does NOT count as a lab science for college admission.**

### **326102CW ENVIRONMENTAL SCIENCE - CP 1 Unit Grades 11-12**

*Prerequisite: Biology I CP.* In this course, students explore the environment and discuss potential environmental problems caused by humans, such as population growth, natural resource depletion, and pollution. Additional topics increase the understanding of biological concepts, including ecology, evolution, and classification.



**326300HW****ANATOMY & PHYSIOLOGY-H****1 Unit****Grades 11-12**

*Prerequisites: Biology I- H. Grade B or better recommended.*

Students enrolled in this class will study the anatomy and physiology of the human body using a body systems approach. The course will involve in-depth analyses of the skeletal, muscular, nervous, digestive, circulatory, reproductive, and respiratory systems. Lab activities will supplement class lectures and will include dissection and skeletal reconstruction. Mandatory quarterly projects are also an integral part of the class. Grades will be based on tests, notebooks, projects, and lab work. Honors credit will be awarded.

**326101CW****FIELD TECHNIQUES AND  
ECOLOGY – CP****1 Unit****Grades 12**

*Prerequisites: Biology I-CP or Honors, and Chemistry-CP or H with a recommended grade of B or higher.*

In this course, students explore the environment and discuss potential environmental problems such as population, natural resource depletion, and pollution. Integrated into this study of the environment is a survey of ecology. Fieldwork will include water and soil sampling, pollution surveys, and population sampling techniques.

**Dual Credit Offerings****322102EW****BIOLOGICAL SCIENCE 1****College Biology (BIO 101)****1 Unit - Dual Credit****Grade 12**

*Prerequisites: Biology I Honors with a grade B or better recommended.*

This course is the first of a sequence introducing biology. Topics include the scientific method, basic biochemistry, cell structure and function, cell physiology, cell reproduction and development, Mendelian genetics, population genetics, natural selection, evolution, and ecology.

**32202EW****BIOLOGICAL SCIENCE 2 –****College Biology (BIO 102)****1 Unit – Dual Credit****Grade 12**

*Prerequisites: Biology I Honors with a grade B or better recommended.*

This course is a dual credit course offered through York Technical College. Topics include classification of organisms and structural and functional considerations of all kingdoms (particularly major phyla as well as viruses). Invertebrate and Vertebrate animals as well as Non-vascular and Vascular plants are emphasized. Lectures and laboratory sessions are part of the course of study. Students taking this course may be required to pay a registration fee and laboratory fee to York Tech and purchase the required textbook. Students may earn 4 hours of college transfer credit.

**AVAILABLE AP COURSES**

AP CHEMISTRY

AP BIOLOGY

AP ENVIRONMENTAL SCIENCE

**UPPERCLASSMEN**

## SOCIAL STUDIES

Students are expected to earn 1 unit of social studies credit each year and are required to complete three (3) units of social studies to receive a high school diploma. One unit must be in U.S. History and Constitution, ½ unit must be in Economics, which includes instruction in personal finance, and ½ unit must be in American Government. The third credit should be selected from other social studies courses. Elective courses in social studies are open to all students unless limited by prerequisites, and may be taken concurrently with required ones.

### 333500CW

#### CIVICS

##### 1 UNIT

##### Grade: 10

This course provides an overview of the U.S. Constitution and introduces the functions of the three branches of government (legislative, executive, and judicial). It is designed to help students become better and more active citizens. Students will gain a better understanding of their legal rights and responsibilities. The curriculum is delivered through interactive activities, projects, case studies, and community service. The curriculum develops problem-solving skills, collaborations, and 21st century learning skills while integrating civics literacy into the course content. **This course is designated as a social studies elective credit.**

### 332001CW

#### UNITED STATES HISTORY AND THE CONSTITUTION

##### 1 Unit

##### Grades 11

United States History is a survey of the political, economic, and cultural development of our nation from its founding to the present. All students at the 11th grade level are required to take a course in United States History. Students use writing and researching skills to analyze primary sources such

as political speeches, political cartoons and other documents to interpret their historical impact on the time period. Particular focus will be placed on the United States Constitution as required by SC state law. **South Carolina End-of-Course Examination is required.**

### 332002HW

#### UNITED STATES HISTORY AND THE CONSTITUTION – HONORS

##### 1 Unit

##### Grades 11

*Prerequisite: B or better in World History; or B or better in English 2/3-CP or Honors.*

Honors students will meet the upper level expectations and rigor of an advanced course through the reading of primary documents, frequent writing assignments, technology-based research and creative projects, collaborative projects with classmates and other classes, and oral presentations. Students will analyze data, political cartoons, and written works to enhance these upper level skills. **South Carolina End-of-Course Examination is required.**

### 37201AW

#### UNITED STATES HISTORY - AP

##### 1 Unit

##### Grades 11

*Prerequisite: B or better in World History; or B or better in English 2/3-CP or Honors. Concurrent enrollment in Advanced Studies in US History.*

This course is for advanced high school students and is taught on a college level. Students learn to assess historical materials and are required to analyze and interpret primary sources, including documentary materials, maps, statistical tables, and pictorial and graphic evidence of historical events. Since this course requires numerous outside readings and written assignments, students planning to take the course should consider the amount of time they have to devote to their preparation. College credit may be earned. **AP examination is required. South Carolina End-of-Course Examination is required.**

### 333001CH

#### AMERICAN GOVERNMENT - CP

##### 1/2 Unit

##### Grade 12

This course places special emphasis on the operation of and services provided by national, state, and local governments. This course must be paired with Economics.

### 333000HH

#### AMERICAN GOVERNMENT - H

##### 1/2 Unit

##### Grade 12

This course is for the advanced student. The curriculum content will cover the topics taught in American Government but on a higher and more demanding level. This course must be paired with Economics Honors.

### 335001CH

#### ECONOMICS - CP

##### 1/2 Unit

##### Grade 12

This course places special emphasis on a practical understanding of the American economic system. An understanding of everyday economic terms used in newspapers and magazines is a major emphasis, as are laws of supply and demand and how they relate to setting prices in a market economy. This course must be paired with Government CP.

### 335000HH

#### ECONOMICS - H

##### 1/2 Unit

##### Grade 12

This course is for the advanced student. The curriculum will cover the topics taught in Economics but on a higher and more demanding level. This course must be paired with Government Honors.



## **Elective Credit Offerings**

### **339901HW**

#### **ADVANCED STUDIES IN UNITED STATES HISTORY - H**

##### **1 Unit - Elective Credit**

##### **Grades 11**

*Prerequisite: Concurrent enrollment in AP US History.*

This course is a continuation of the Advanced Placement (AP) U.S.

History course and must be taken by all students in AP U.S. History.

### **337900AW**

#### **HUMAN GEOGRAPHY - AP**

##### **1 Unit**

##### **Grades 10**

This advanced, college level course focuses on the distribution, processes, and effects of human populations on the planet. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in both the United States and locally. College credit may be earned. **AP examination is required.**

### **334001CH**

#### **PSYCHOLOGY - CP**

##### **1/2 Unit**

##### **Grades 11-12**

This course is taught as an introduction to the field of psychology. Topics covered include infancy, adolescence, old age, death and dying, mental illnesses and drug use. This course must be paired with Sociology or another 9-week, 1/2 unit course.

### **334501CH**

#### **SOCIOLOGY – CP**

##### **1/2 Unit**

##### **Grades 11-12**

This course is taught as an introduction to the field of sociology. Topics covered include culture, deviance, inequalities of race and gender, social institutions, and religions. This course must be paired with Psychology or another 9-week, 1/2 unit course.

### **333600CW**

#### **LAW EDUCATION**

##### **1 Unit**

##### **Grades 10-12**

This course in practical law is designed to educate students in basic civil rights and responsibilities. The curriculum

concentrates on criminal and civil law on all levels.

## **Dual Credit Offerings**

### **336600EW**

#### **WESTERN CIVILIZATION TO 1689**

##### **HIS 101**

##### **1 Unit - Dual Credit**

##### **Grades 10-12**

This course is a survey of western civilization through 1689, including the major political, social, economic and intellectual factors which shape the modern eastern world. Students may be required to pay a registration fee to York Tech and purchase the required textbook. Students may earn 3 hours of college transfer credit.

### **331001EW**

#### **AMERICAN GOVERNMENT POLI 201**

##### **1 Unit - Dual Credit**

##### **Grades 12**

##### **(Paired with Honors Economics-.5 credit)**

This course is designed to introduce you to the study of American government and politics. The course will examine the Constitution and characteristics of American democracy, the basic structure and functions of the three branches of government (Presidency, Congress, Judiciary), as well as significant actors in the U.S. political system (e.g., political parties, interest groups, news media). This course is paired with a semester-long Economics Honors course. students may earn 3 hours of college transfer credit.

### **334002EW**

#### **GENERAL PSYCHOLOGY - PSY201**

##### **1 Unit – Dual Credit**

##### **Grades 11-12**

This course is a dual credit course offered through York Technical College. This course includes the following topics and concepts in the science of behavior: scientific method, biological bases for behavior, perception, motivation, learning memory, development, personality,

abnormal behavior, therapeutic techniques, and social psychology. Students may be required to pay a registration fee to York Tech and purchase the required textbook. Students may earn 3 hours of college transfer credit.

### **339961EW**

#### **INTRODUCTION TO CRIMINAL JUSTICE (CRJ 101)**

##### **1 Unit – Dual Credit**

##### **Grades 11-12**

This course is a dual credit course offered through York Technical College. This course includes an overview of the functions and responsibilities of agencies involved in the administration of justice to include police organizations, court systems, correctional systems, and juvenile justice agencies. Students may be required to pay a registration fee to York Tech and purchase the required textbook. Students may earn 3 hours of college transfer credit.

### **652300EW**

#### **CRIMINAL LAW (CRJ 115)**

##### **1 UNIT- Dual Credit**

##### **Grades 11-12**

This course covers the development of criminal law in America. The basic elements of specific criminal offenses, criminal defenses, and various legal principles upon which criminal law is established are reviewed. Students may earn 3 hours of college credit.

## **AVAILABLE AP COURSES**

AP American  
Government  
AP Economics

UPPERCLASSMEN

## WORLD LANGUAGE

Students who plan to attend a four year college or university must satisfy a minimum requirement of two units of the same foreign language. Some colleges recommend three units of study in the same language. It is recommended that college bound students plan to take three levels of the same language during their high school career; however, students are not required to take a foreign language to earn a high school diploma.

The district world language program adheres to the S.C. Academic Standards for Modern and Classical Languages and to national standards and is designed to accommodate all students by appealing to a variety of learning styles. **All students have the opportunity to study world languages.**

The World Language Department offers four levels of language study.

**Level 1** courses are designed to help students acquire a basic knowledge of the target language.

**Level 2** courses are designed to help students expand on their basic knowledge of the target language.

**Levels 3, 4 and AP (Advanced Levels)** courses are designed to help students expand on their knowledge of the target language.

### 365101CW SPANISH 1 - CP 1 Unit

#### Grades 9-12

Spanish 1 begins the study of the Spanish language for the college bound student. It concentrates on basic reading, writing, listening and speaking skill, while studying relevant real world based themes units. All three modes of communication (Interpretive, Interpersonal, and Presentational) are integrated into the units and assessments. Authentic materials such as videos, magazines, and listening

activities are incorporated into the lessons. Culture is an integral part of each unit.

### 365201CW SPANISH 2 - CP 1 Unit

#### Grades 10-12

*Prerequisite: It is recommended that a student have earned a "C" or higher in Spanish 1.*

This course is recommended for any student who has successfully completed Spanish I. This class is a continuation of the three modes of communication (Interpretive, Interpersonal, and Presentational) but in greater depth, with more emphasis on production.

### 365301HW SPANISH 3 - H 1 Unit

#### Grades 10-12

*Prerequisite: It is recommended that a student have earned a "C" average or higher in Spanish 2.*

This course is recommended for students who successfully complete Spanish 1 and 2 and are interested in increasing knowledge of the Spanish language and culture. The course is highly recommended for students who are preparing for college foreign language entrance exams or students planning to major/minor in the language. This class continues the Interpretive, Interpersonal, and Presentational tasks and assessments that began in the lower levels, with greater in-depth emphasis on the cultural aspects of the target language and country (art, literature, film, and music).

### 365401HW SPANISH 4-H 1 Unit

#### Grades 11-12

*Prerequisite: It is recommended that a student have earned a "C" average or higher in Spanish 3.*

This course is a continuation of Spanish 3 with students continuing the Interpretive, Interpersonal, and Presentational tasks and assessments; however, this course gives emphasis to independent study and student-directed tasks.

### AP SPANISH 1 UNIT

#### Grades 11-12

*Prerequisite: Spanish 1, 2, and 3.*

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Student must also take Spanish 4. College credit may be earned. **AP examination is required.**

### 361101CW FRENCH 1-CP 1 UNIT

#### Grades 9-12

French 1 begins the study of the French language for the college bound student. It concentrates on basic reading, writing, listening and speaking skill, while studying relevant real world based themes units. All three modes of communication (Interpretive, Interpersonal and Presentational) are integrated into the units and assessments. Authentic materials such as videos, magazines and listening activities are incorporated into the lessons. Culture is an integral part of each unit.

### 361201CW FRENCH 2-CP 1 UNIT

#### Grades 10-12

*Prerequisite: It is recommended that a student have earned a "C" average or above in French 1.*

This class is a continuation of three modes of communication (Interpretive, Interpersonal and Presentational) but in greater depth, with more emphasis on production.

### 361301HW FRENCH 3-H 1 UNIT

#### Grades 11-12

*Prerequisite: It is recommended that a student have earned a "C" or higher in French 2.*

This course is recommended for students who successfully complete French 1 and 2 and are interested in increasing knowledge of the French language and culture. The course is

highly recommended for students planning to major/minor in the language. This class continues the Interpretive, Interpersonal and Presentational tasks and assessments that began in the lower levels, with greater in-depth emphasis on the cultural aspects of the target language and country.

**361401HW**  
**FRENCH 4-H**  
**1 UNIT**  
**Grade 12**

*Prerequisite: It is recommended that a student have earned a "C" or higher in French 3.*

This course is a continuation of French 3, with students continuing the Interpretive, Interpersonal and Presentational tasks and assessments; however, this course gives emphasis to independent study and student-directed tasks.

**363100CW**  
**LATIN 1-CP**  
**1 UNIT**  
**Grades 9-12**

This course begins the study of the Latin language by analyzing the basic grammar and vocabulary of the language. Pronunciation, parts of speech, sentence structure, grammar and vocabulary of Latin will be introduced along with general information regarding the Roman way of life and the Roman Empire. Of special note will be the analysis of how Latin and the use of its roots, suffixes and prefixes have enriched the English language in the expansion of our own vocabulary.

**363200CW**  
**LATIN 2-CP**  
**1 UNIT**  
**Grades 10-12**

*Prerequisite: It is recommended that a student have earned a "C" average or above in Latin 1.*

This course is recommended for any student who has successfully completed Latin 1. In the second section, students will increase their understanding of the language and further develop written and oral fluency.

**363300HW**  
**LATIN 3-H**  
**1 UNIT**  
**Grades 11-12**

*Prerequisite: It is recommended that a student have earned a "C" or higher in Latin 2.*

This course is recommended for students who successfully complete Latin 1 and 2 and are interested in increasing knowledge of the Latin language. Students will further develop their written and oral command of the language and study the contributions Latin has made to today's spoken languages and the use of Latin as a tool for learning and understanding modern languages.

**VISUAL  
&  
PERFORMING ARTS**

The Fine Arts Department consists of studies in art, band, chorus, and drama. Arts, records and shapes history, and plays a role in every culture. All students keep sketchbooks, journals and portfolios, take curriculum-related field trips to view historical and professional art, and participate in many displays and competitions. Students must furnish some art supplies. It is highly recommended that all students enroll in at least one fine arts course during their tenure in high school. The 2014 college entrance recommendations and district Diploma of Distinction include the requirement that students earn credits in fine arts.

**VISUAL ARTS**

**350101CW**  
**ART 1 - INTRODUCTION TO  
VISUAL DESIGN**  
**1 Unit**  
**Grades 9-12**

This course is an introductory art course designed for all students who have an interest in learning about the theory and practice of drawing, painting, design, art appreciation and art history. In addition to studio art projects, students will participate in gallery discussions, readings in art history and criticism, and

keep a sketchbook. **This course is a prerequisite for all visual arts courses.**

**350203CW**  
**DRAWING 1**  
**1 Unit**  
**Grades 10-12**

*Prerequisite: ART 1 (grade of "C" or better recommended).*

This course develops basic drawing skills and understanding of visual language through studio instruction and lecture. Emphasis is on the development of perceptual skills through drawing from observation and on using the basic elements and principles of design in two-dimensional composition. Various media are explored including pencil, charcoal, and ink. Sketchbook, gallery discussions, readings in art history and criticism will be required.

**350204CW**  
**PAINTING 1**  
**1 Unit**  
**Grades 10-12**

*Prerequisite: ART 1 (grade of "C" or better recommended).*

This course presents representational and abstract painting in acrylic or oil, watercolor, and mixed media with emphasis on color, composition, and value. It covers the use of materials, color-mixing, and basic painting techniques. Sketchbook, gallery discussions, and reading in art criticism and history will be required.

**350205CW**  
**CERAMICS AND  
SCULPTURE 1**  
**1 Unit**  
**Grades 10-12**

*Prerequisite: ART 1 (grade of "C" or better recommended).*

This course offers students of varying abilities, exposure and instruction in various traditions of ceramics including the basic elements of design and principles of design.

Throughout the semester, students will participate in gallery discussions, readings in art history, and keep a sketchbook.

**350303CW  
DRAWING ADVANCED**

**1 Unit**

**Grades 11-12**

*Prerequisite: Drawing 1 (grade of "C" or better recommended).*

This is an advanced class for the serious art student or art major. It is intended to strengthen the individual's use of various media and to develop either of the following: a college entry portfolio and / or serve as a pre-advanced placement portfolio. Sketchbook and museum/gallery studies will be required. Students must furnish some art supplies.

**350304CW  
PAINTING ADVANCED**

**1 Unit**

**Grades 11-12**

*Prerequisite: Painting 1 (grade of "C" or better recommended).*

This course is designed for students who have a serious interest or advanced skill and who are preparing for AP and College Applications. Students will apply the knowledge and techniques from Introduction to Painting in an in-depth, personal commitment to particular artistic concerns and will continue to develop and explore new processes and techniques. Sketchbooks, gallery discussions, and readings in art criticism and history will be required. Students must furnish some art supplies.

**350305CW  
CERAMICS/SCULPTURE  
ADVANCED**

**1 Unit**

**Grades 11-12**

*Prerequisite: Ceramics and Sculpture 1 (Grade of "C" or better is highly recommended).*

This course offers students the opportunity to improve skills learned in the preceding course and to learn new skills related to the construction of utilitarian and decorative objects. Greater emphasis will be placed on the development of each student's creative ability and use of 3-D art as a form of individual expression. Sketchbook, gallery discussions, and readings in art criticism and history will be required. Students must furnish some art supplies.

**357200AW  
STUDIO ART – AP**

**1 Unit**

**Grade 12**

*Prerequisite: Concurrent enrollment in Advanced Art Studies and Portfolio.*

This course is designed to meet the needs of students preparing to go to an art school or to be an art major in a college or university. All students will complete either a drawing portfolio, 2-D Design portfolio, or a 3-D Design portfolio. A digital slide portfolio must also be created and students are required to complete at least 24-30 quality pieces. Students must furnish some art supplies. College credit may be earned. **AP examination is required.**

**350401HW  
ART ADVANCED STUDIES - H**

**1 Unit**

**Grade 12**

*Prerequisite: Concurrent enrollment in AP Studio Art.*

This course is a continuation of the Advanced Placement (AP) Studio Art course and must be taken by all students in AP Art. Students must furnish some art supplies.

**PERFORMING ARTS**

**452101CW  
THEATRE 1-SURVEY**

**1 Unit**

**Grades 9-12**

This course focuses on the basics of drama, students will expand their knowledge of theatre structure, variety and history. Students will develop skills in various aspects of theatre and film. This course provides an opportunity for students to gain an appreciation for skills in the art of theatre and film.

**452200CW  
THEATRE 2--ACTING**

**Grades 10-12**

*Prerequisite: Theatre 1 and teacher approval*

This course focuses on the roles within the theatre and the role theatre plays in society. Students will expand their knowledge of the inner workings of theatre and how it affects and responds to society. Students will develop skills as actors as they study the different methods of acting.

**452300CW  
THEATRE 3--DIRECTING**

**1 Unit**

**Grades 10-12**

*Prerequisite: Theatre 1, 2 and teacher approval*

This course focuses on the role of the Director within theatre, students will expand their knowledge of the inner workings of theatre and how it affects and responds to society. Students will develop skills as a Director of a theatre/ film as they thoroughly student the requirements of Directing.

**THEATRE 4-TECHNICAL  
THEATRE**

**452400CW**

**1 UNIT**

**GRADE 12**

*Prerequisite: Theatre 1-3 and teacher recommendation.*

Focusing on the role of the technical crew within theatre, students will expand their knowledge of the inner workings of theatre and how it affects and responds to society. Students will develop skills as a technical crew members of a theatre/ as they thoroughly study the requirements of Technical Theatre. Students will also participate in some continued Acting and Direction responsibilities.

**INSTRUMENTAL MUSIC**

**BAND**

These are the performance band classes that participate in football games, parades, concerts, festivals, contests, and national music events. Members are required to attend band camp, which is held prior to the beginning of school, and also attend after-school practices and performances. All styles of music are studied. A major performance trip is usually scheduled every other year.

**Honor courses are for 3rd and 4th level band students.** These courses provide opportunities for advancement and refinement of musical potential, higher level thinking skills and aesthetic judgment. Honors level band courses are rigorous and challenging and are intended for the students with the commitment and ability to undertake a more demanding workload in the areas of music performance and scholarship. To qualify for honors level band courses, a student must be approved by the director and successfully complete a qualifying audition.





*Prerequisite: Students will be placed into the appropriate course by section and into honors level courses by audition.*

### **FIRST SEMESTER**

**353010CW MARCHING BAND**

**353010HW MARCHING BAND**

**HONORS**

**353020CW DRUM LINE**

**353020HW DRUM LINE HONORS**

**353021CW BAND FRONT ENSEMBLE**

**353021HW BAND FRONT ENSEMBLE  
HONORS**

**353030CW COLOR GUARD**

### **SECOND SEMESTER**

**353015CW CONCERT BAND**

**353015HW WIND ENSEMBLE**

**HONORS**

**353031CW WINTER GUARD**

**353201CW**

**JAZZ ENSEMBLE**

**1 Unit**

**Grades 10-12**

*This is an after school program that runs through the months of November through May. Transportation is not provided.*

In this course students will learn proper jazz and popular music techniques

and styles. Students will be required to participate in after-school and weekend concerts. Travel and overnight trips are part of the requirements for participation.

### **CHORAL MUSIC**

All courses in choral music are open to all students upon completion of an audition with the choral director to determine appropriate ensemble placement. All courses involve instruction in sight singing, basic theory, and vocal technique and performance opportunities. Rehearsals and performances after school hours are required and make up a significant portion of each student's grade. Students must register for both semesters unless an exception is approved by the choral director.

**354011CW**

**WOMEN'S CHORUS ENSEMBLE**

**1 Unit**

**Grades 9-12**

*Prerequisite: 8th grade chorus or successful audition with Choral*

*Director.*

*Concurrent enrollment in Women's Chorus Ensemble Advanced.*

This vocal group consisting of female voices studies and performs 2 and 3 part choral music as well as develops each student's sight reading skills and music literacy. Rehearsals and performances after school hours are required .

**354012CW**

**WOMEN'S CHORUS ENSEMBLE  
ADVANCED**

**1 Unit**

**Grades 9 - 12**

*Prerequisite: Women's Ensemble or successful audition with Choral*

*Director.*

*Concurrent enrollment in Women's Chorus Ensemble.*

This course is a continuation of the previous semester's repertoire and skills.

**354021CW**

**CONCERT CHOIR**

**1 Unit**

**Grades 9 - 12**

*Prerequisite: Previous Chorus experience or placement after audition with Choral Director. Concurrent enrollment in Concert Choir Advanced.*

This course is designed for advanced students with previous experience. Made up of male and female voices, the group studies advanced choral literature, performs often, and participates in several clinics, festivals, and competitions. Students should also register for Advanced Concert Choir.

**354022CW**

**CONCERT CHOIR ADVANCED**

**1 Unit**

**Grades 9 - 12**

*Prerequisite: Concurrent enrollment in Concert Choir.*

Continuation of Concert Choir within the same school year.

**354021HW**

**CONCERT CHOIR - H**

**1 Unit**

**Grades 11 – 12**

*Concurrent enrollment in Concert Choir Advanced is required.*

For 3rd and 4th level concert choir students who will complete additional performance and academic requirements.

**354022HW**

**CONCERT CHOIR  
ADVANCED – H**

**1 Unit**

**Grades 11 – 12**

*Concurrent enrollment in Concert Choir is required.*

For 3rd and 4th level advanced concert choir students who will complete additional performance and academic requirements.

**354400CW**

**HAND BELL ENSEMBLE 1**

**1 Unit**

**Grades 9 - 12**

*Prerequisite: Approval of Director prior to registration.*

This course is open to all high school students. No prior musical experience necessary. Bell techniques and music reading skills are explored with some required after school performances. Maximum class size is 15 students.

**459900CW**

**HAND BELL ENSEMBLE 2**

**1 Unit**

**Grades 10 - 12**

*Prerequisite: Hand Bell Ensemble 1*

Building on skills learned in Hand Bell Ensemble 1, bell techniques and music reading skills are explored with some required after school performances. Maximum class size is 15 students.

**UPPERCLASSMEN**



## MILITARY SCIENCE NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS

NJROTC offers an exciting and challenging academic program designed to encourage critical and creative thought and an opportunity to achieve leadership in the school and the community. The program will provide valuable preparation for students interested in Navy programs such as the US Naval Academy and college Navy ROTC programs. With two and three years of Naval Science instruction, students will be able to enlist in the Armed Forces at an advanced pay grade after high school graduation. **No military obligation will result from participation in the NJROTC program.** Naval JROTC Cadets will have the opportunity to be members of exciting extra-curricular teams and activities such as the Drill Team, Color Guard, Honor Guard, Air Rifle Marksmanship Team, Orienteering Team and Academic Team. Field trips of interest, including at-sea training when available are an important part of the NJROTC program. Cadets are furnished complete summer and winter uniforms **at no cost**, which are property of the U.S. Government and must be properly cared for and returned at the end of the NJROTC enrollment. A nominal fee is normally required for name tags and other unit items. These fees can usually be covered if and when cadets participate in unit fundraising activities.

### **375201CW NJROTC NAVAL SCIENCE 2 1 Unit Grade 10**

*Prerequisites: Naval Science 1 (grade of "C" or better recommended) and approval a Naval Science Instructor.*  
Course Description: Topics include Military Drill, Wellness/Fitness, Career Planning, Maritime History, Nautical Sciences, Meteorology, Additional Career Planning, Astronomy and Physical Science. Cadets will assume mid-level positions of leadership and responsibility. Unit and community service projects will be planned and implemented. Based on performance,

selected cadets will travel to Naval bases for overnight trips.

### **375301CW NJROTC NAVAL SCIENCE 3 1 Unit Grade 11**

*Prerequisites: Naval Science 2 (grade of "C" or better recommended) and approval of the Senior Naval Science Instructor.*

Topics include: Military Drill, Wellness/Fitness, Naval Knowledge, Naval Operations, Sea Power & National Security, Military Law, Ship Construction & Damage Control, Shipboard Organization, Seamanship, Navigation, Rules of the Road, Naval Weapons and Aircraft. Cadets will assume mid- and upper-level positions of leadership and responsibility and career planning will be emphasized. Community and unit service projects will be planned and implemented. Based on performance, selected cadets will have an opportunity to travel to naval bases for overnight trips.

### **375401CW NJROTC NAVAL SCIENCE 4 1 Unit Grade 12**

*Prerequisites: Naval Science 3 (grade of "C" or better recommended) and approval of the Senior Naval Science Instructor.*

Topics include: Advanced Leadership, National Academic Preparation & Competition, Staff Management, Unit Command, Tutoring, Naval Ethics, Team Organization, Field Trip Planning, Military Drill, Wellness & Fitness, and Military Orientation Trips. Cadets will assume positions of upper-level leadership and responsibility throughout the unit. High School Career Planning will be finalized. Cadets will plan and implement unit and community service projects.

### **375402CW NAVAL SCIENCE STAFF & COMMAND 1 Unit Grade 12**

*Prerequisites: Naval Science 4 first semester and active in one or more extra-curricular teams.*

This is a top level course with practical applications of leadership, staff, and command skills. Participants will direct all NJROTC teams and activities,

tutor academic subjects and compete in the National NJROTC Academic meets. Cadets will direct school support and community service activities. Enrollment in this course will be at the discretion of the instructor.

### **375403CW NJROTC LEADERSHIP DEVELOPMENT 1 Unit Grade 10-12**

*Prerequisite: Enrollment in Naval Science 2 or 3 first semester and recommendation by the Naval Science Instructor.*

Leadership Development will apply the principles of leadership and discipline in drill team and field day (athletic) competitions. The course stresses individual responsibility and provides an opportunity to develop leadership skills, teamwork and high standards of personal conduct and appearance. Cadets taking this course are members of the Varsity Drill Team, Color Guard, Honor Guard, Orienteering Team and/or Marksmanship Team. Academics will complement the Naval Science 2 and 3 curriculum. One credit of Physical Education is required for a student to be awarded a state high school diploma. A student may enroll in NJROTC for one unit to meet the physical education course requirement.



## PHYSICAL EDUCATION

**All Physical Education courses are coeducational.** In order to sign up for weightlifting classes, you must have approval from the Athletic Director or weightlifting instructor. No seniors are permitted to take weightlifting second semester without the approval of the Athletic Director. **Students are not permitted to take two PE classes in one semester.**

### GENERAL PE

#### **344202CW** **PE 2 - LIFETIME SPORTS** **(APPRECIATION)** **1 Unit**

##### **Grades 10-12**

This course is a continuation of physical and lifetime physical fitness activities. Written and skills tests are included in various activities. **Students are required to dress in appropriate attire as part of their grade. Guidelines for appropriate attire will be provided.**

#### **344302CW** **PE 3 - TEAM SPORTS** **(COOPERATION)** **1 Unit**

##### **Grades 10-12**

*Prerequisite: Instructor or administrative approval and PE 2.*

This course is a continuation of physical and lifetime physical fitness activities. Written and skills tests are included in various activities. **Students are required to dress in appropriate attire as part of their grade. Guidelines for appropriate attire will be provided.**

#### **344402CW** **PE 4 -** **COMPETITIVE SPORTS** **1 Unit**

##### **Grades 10-12**

*Prerequisite: Instructor or administrative approval and PE 3.*

This course is a continuation of physical and lifetime physical fitness activities. Written and skills tests are included in various activities. **Students are required to dress in appropriate attire as part of their grade. Guidelines for appropriate attire will be provided.**

### STRENGTH AND CONDITIONING

*These courses are designed to build*

*student strength and increase level of physical conditioning. Additional areas to be studied are running/speed techniques and specific weight training programs for respective sports.*

#### **344203CW** **PE 2A - Strength and Conditioning** **(Sports Integration 1st semester)** **1 Unit** **Grades 10-12**

#### **344204CW** **PE 2B - Strength and Conditioning** **(Sports Integration 2nd semester)** **1 Unit** **Grades 10-11**

*Prerequisite: Instructor approval.*

#### **344303CW** **PE 3A - Strength and Conditioning** **(Sports Integration 1st semester)** **1 Unit** **Grades 10-12**

*Prerequisite: Instructor approval and Adv. PE 2 (Appreciation) 2A or 2B.*

#### **344304CW** **PE 3B - Strength and Conditioning** **(Sports Integration 2nd semester)** **1 Unit** **Grades 10-11**

*Prerequisite: Instructor approval and Adv. PE2 (Appreciation) 2A or 2B*

#### **344403CW** **PE 4A - Strength and Conditioning** **(Sports Integration 1st semester)** **1 Unit** **Grades 10-12**

*Prerequisite: Instructor approval and Adv. PE3 (Cooperation) 3A or 3B.*

#### **344410CW** **SPECIALIZED PE** **(ADVANCED CONDITIONING)** **(First Semester Only)** **1 Unit**

##### **Grades 10-12**

*Prerequisite: PE 1 (Exploration) and approval of the Head Football Coach.* This is an advanced conditioning course for football players designed to help selected varsity student athletes meet the above-average demands required by extracurricular athletics.

#### **344411CW** **SPECIALIZED PE** **(ADVANCED CONDITIONING)** **Second Semester Only** **1 Unit** **Grades 10-11**

*Prerequisite: PE 1 (Exploration) and approval of the Head Football Coach.* This is an advanced conditioning course for football players designed to help selected varsity student athletes meet the above-average demands required by extracurricular athletics.

UPPERCLASSMEN

## INTERDISCIPLINARY STUDIES

### **339902EW** **TEACHER CADET 175** **1 Unit Elective Dual Credit** **Grade 12**

*Prerequisite: Students who meet the criteria specified by the state of South Carolina (3.0 GPA, essay, and 5 teacher recommendations,) are eligible.*

The course informs students about education as a profession and teaching as a career. The course includes field experiences in several schools and classrooms. A registration fee may be required.

### **DRIVER EDUCATION** **No Credit**

*Prerequisite: 15 years of age and in good physical and mental condition.* This class is offered for high school students only. All classes are taught by York School District One instructors. The class is offered outside of the school day and transportation to and from the program is the responsibility of the parent or guardian. Students enrolling in this class will be charged a fee.

## INTERDISCIPLINARY ELECTIVES

### **305003CW** **JOURNALISM 1 (Yearbook)** **1 Unit - Elective Credit** **Grades 10-12**

*Prerequisites: Completion of the journalism application and adviser's approval. It is highly recommended that student has earned a B or better in English.*

This course teaches the fundamentals of journalism while producing the yearbook. It is a co-curricular class. Students are expected to attend yearbook workshops in the summer and cover school events during the semester. Every staff member needs to have his or her own camera.

### **305100CW** **JOURNALISM 2 (Yearbook)** **1 Unit - Elective Credit** **Grades 10-12**

*Prerequisite: Journalism I (Yearbook), application, and advisor's approval.*

Students serve on the managerial staff of the yearbook and refine their skills in copy editing and layout. It is a co-curricular class. Students are expected to attend yearbook workshops in the summer and cover school events during the semester. Every staff member needs to have his or her own camera.

### **309931CW** **JOURNALISM 3 (Yearbook)** **1 Unit - Elective Credit** **Grades 11-12**

*Prerequisite: Journalism 1 & 2 (yearbook), application and advisor's approval.*

Students serve on the managerial staff of the yearbook and refine their skills in copy editing and layout. It is a co-curricular class. Students are expected to attend yearbook workshops in the summer and cover school events during the semester. Every staff member needs to have his or her own camera.

### **08970100** **ANNUAL STAFF** **No Credit** **Grade 12**

*Prerequisite: Journalism 1, 2, and 3 (yearbook), application and advisor's approval.*

Students in this course have completed three units of journalism (yearbook) and serve on the annual staff. It is a co-curricular class. Students are expected to attend yearbook workshops in the summer and cover school events during the semester. Every staff member needs to have his or her own camera. In some cases, students may earn credit through a formal internship approved by the administration and adviser.

**08970200**

### **305004CW** **BROADCAST JOURNALISM 1** **1 Unit - Elective Credit** **Grades 10-12**

This course is designed for students who have an interest in television journalism and want to learn the fundamentals of producing a taped show. Research, writing, script writing, interviewing, set design, and technology are emphasized.

Students will appear before a camera as news anchors and interviewers. Students **MUST** be available before and after school for tapings, and must be team players.

### **305102CW** **BROADCAST JOURNALISM 2** **1 Unit - Elective Credit** **Grades 10-12**

*Prerequisite: Broadcast Journalism 1 ("B" or higher average recommended) and teacher approval.*

This course builds on the skills mastered in Broadcasting 1. Students take a lead role in training Broadcasting 1 students on all aspects of the equipment and the morning news show; therefore, candidates must be proven leaders. **Students must attend summer workshops to prepare for the class.**

### **309940CW** **BROADCAST JOURNALISM 3** **1 Unit- Elective Credit** **Grades 11-12**

*Prerequisites: Broadcast Journalism I and II with a grade of 93 or higher in Broadcasting II and teacher approval.*

This course builds on both video and leadership skills mastered in Broadcasting II. This course is strongly recommended for students interested in pursuing a career in broadcast journalism. Students who take Broadcasting III will work throughout the semester on PBS Student Reporting Lab projects where they will build news packages from idea to completion. Students will write scripts, conduct interviews, set stages, investigate issues concerning teens in education and the community and they will assist in leadership of Broadcasting I and II students. Students must be proven leaders.



## **SPECIAL EDUCATION SERVICES**

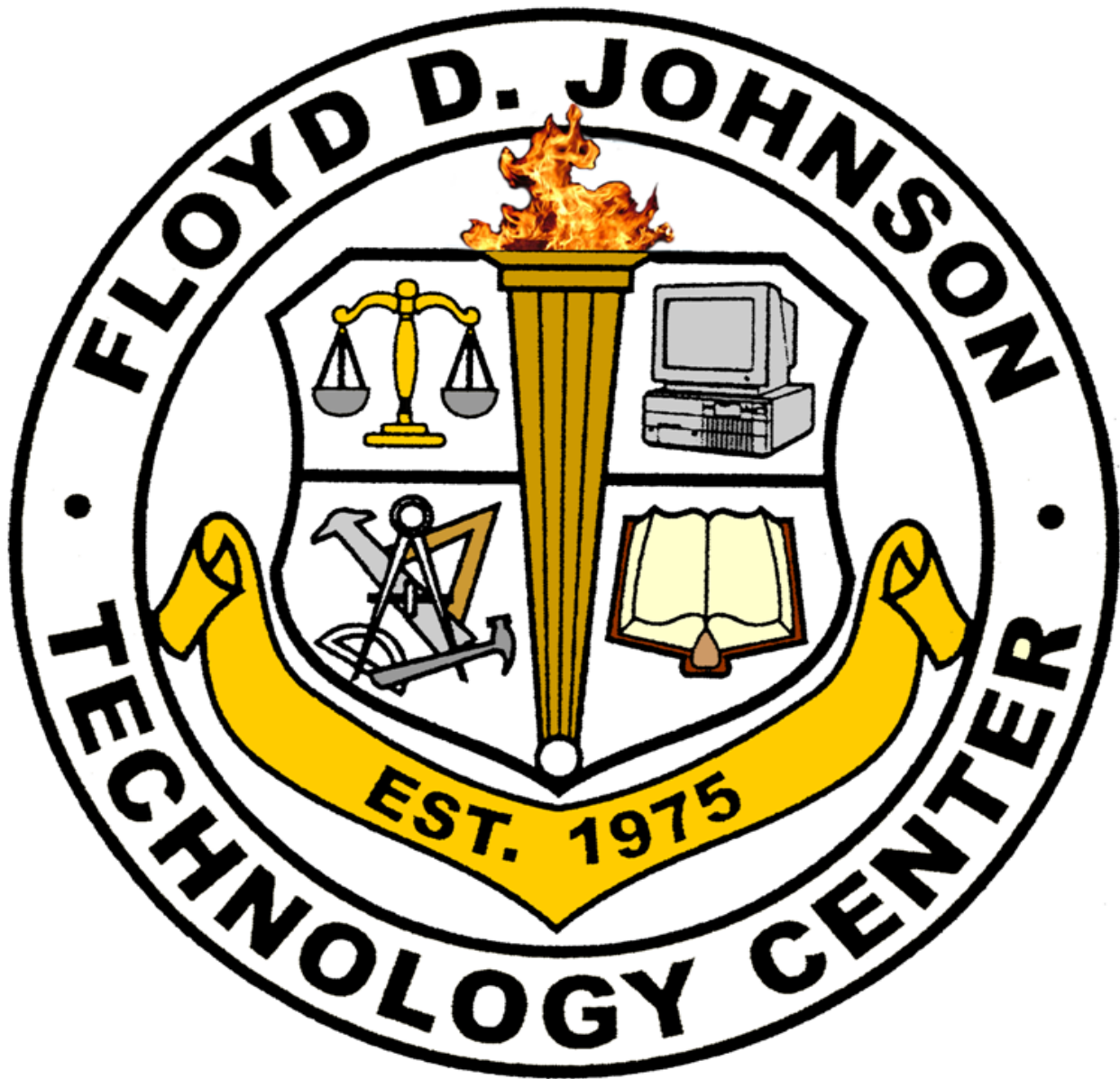
and services designed to meet the special learning needs of students. These services include opportunities for skill development, remediation and vocational support. The special education curriculum also includes academic support courses for students who are working to earn a high school diploma.

Students with disabilities who receive special education services may earn a regular high school diploma. Students must satisfactorily complete the minimum academic credit requirements for graduation applicable to students in the regular education program and pass the high school exit examination.

Students will work with their counselor to develop individualized study plans and apply that learning toward completion of high school graduation requirements or personal academic goals. Entrance into all special education classes requires an IEP team recommendation.

**UPPERCLASSMEN**





# FDJTC COURSE OFFERINGS



# The Floyd D. Johnson Technology Center

The center provides students with *Skills for a Lifetime*. Throughout the programs in the Technology Center, students can take courses to prepare them for a future in the workforce, or as a student at a two- or four-year university.

## Programs offered at the FDJTC:

### Agriculture

- Agricultural Mechanics & Technology
- Horticulture

### Automotive Technology

### Building Construction

### Business

- Accounting
- General Management
- Programming & Software Development
- Web & Digital Communications

### Cosmetology

### Culinary Arts

### Family & Consumer Science

### Health Science

- Health Science
- Sports Medicine

### Marketing Management

### Manufacturing Operations

### Mechanical Design

### Networking

### Pre-Engineering

As students take courses in the programs, students are earning credits toward being a completer. **A completer is defined as a student that takes four units in a program of study.** The pages that follow describe the programs available and the courses that are required for completer status.

## Completers can help a student:

- with work experience,
- industry certification,
- earn college credit,
- earn a cord to wear at graduation



# Agriculture Education

In the Agriculture program, there are two different paths students can choose: Agriculture Mechanics or Horticulture. Typical activities include hands-on landscaping, welding and woodworking projects as well as greenhouse activities. All students enrolled in the Agriculture classes are encouraged to join the FFA Student Organization.

## Courses offered:

### **Agriculture Science and Technology** 1 Unit Grades 9-10 562401CW

This course covers the essential concepts related to plant and animal life; including bio-technology, conservation of natural resources, the impact of agriculture in our society, the importance of agriculture to world welfare, basic personal and community leadership and safety and agricultural mechanical technology. Hands-on learning is emphasized and students participate in personal and community leadership development activities. Students also take the Hunter Education Safety course as a part of this class.

**Course fee is \$15.00**

### **Agriculture Mechanics and Technology** 1 Unit Grades 10-11 566000CW *Prerequisite: Agriculture Science & Technology*

This course uses instructional activities that include hands-on experiences in woodworking, metal working, welding, small engine repair, and basic farm homestead improvements. Students will participate in personal and community leadership development activities to include implementing a relevant school-to-work transition experience and participate in FFA activities.

*Course Fee is \$15.00*

### **Agricultural Power Mechanics** 1 Unit Grades 10-11 561001CW *Prerequisite: Agriculture Power Mechanics & Technology*

This course details selling, selecting, and servicing agribusiness technical equipment and facilities. Hands-on experience are emphasized. Students participate in personal and community leadership development activities.

*Course fee is \$15.00*

### **Equipment Operations and Maintenance** 1 Unit Grades 10-12 *Prerequisite: Agriculture Science & Technology*

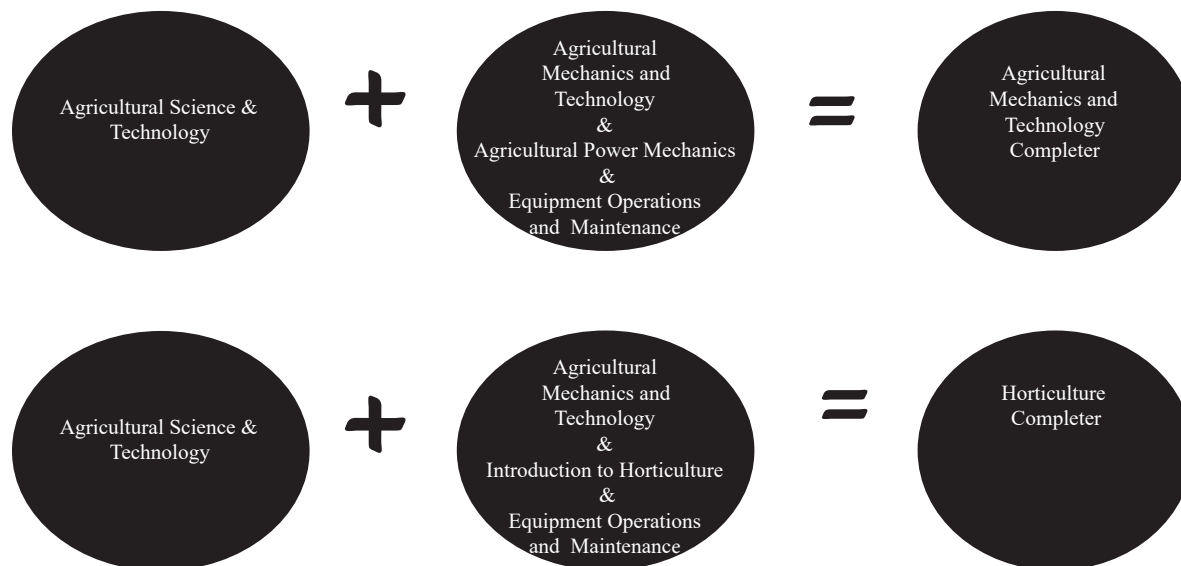
This course is designed to teach students how to operate and maintain equipment commonly used in the agricultural industry.

*Course fee is \$15.00*

### **Introduction to Horticulture** 1 Unit Grades 10-12 *Prerequisite: Agriculture Science & Technology*

This course includes organized subject matter and practical experiences related to the culture of plants used principally for ornamental or aesthetic purposes. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture enterprises.

*Course fee is \$15.00*



# Automotive Technology

The Transportation, Distribution, and Logistics Cluster incorporate career opportunities in all aspects of Automotive Collision, Automotive Technology, Diesel Technology, Small Engine Technology, Warehousing, Material Handling, and Distribution and Logistics. Students are engaged in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water.

Courses offered:

**Automotive Technology 1** 1 Unit Grades 9-10 603000CW

This is the first in a series of courses designed to prepare the student for entry level employment in the automotive industry. The course provides students with the basic introduction to shop safety procedures and tool usage. There will be a high concentration on electrical principles and electrical factors, Ohm's Law, schematic reading, and starting and charging systems. This course is designed to prepare students for the ASE certification test A-6 Electricity and Electronics.

*Course fee is \$10.00*

**Automotive Technology 2** 1 Unit Grades 10-11 603100CW *Prerequisite: Automotive Technology 1*

This is the second course designed to prepare the student for entry level employment in the automotive industry. The course provides students with knowledge of basic brake systems, hydraulic principles, Paschals Law, and anti-lock brake systems. Course is designed to prepare student for the ASE certification test A-5 Brakes.

*Course fee is \$ 10.00*

**Automotive Technology 3** 1 Unit Grades 11-12 603200CW *Prerequisite: Automotive Technology 2*

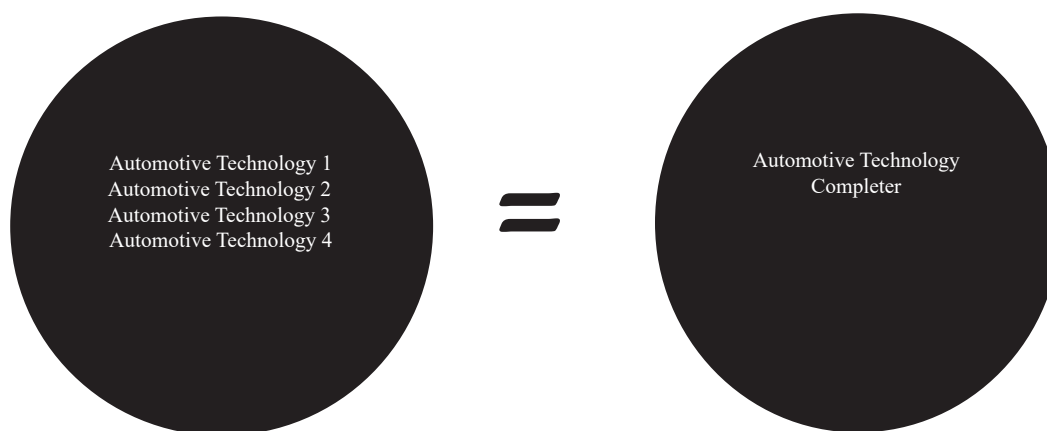
This course focuses on teaching the gasoline combustion process; including exhaust gas analysis, computer systems, fuel and ignition controls, drivability diagnosis and repair, fuel delivery systems and scan tool and diagnostic equipment operation. Course is designed to prepare students for the ASE certification test A-8 Engine Performance.

*Course fee is \$10.00*

**Automotive Technology 4** 1 Unit Grades 11-12 603300CW *Prerequisite: Automotive Technology 3*

The focus of this course is on developing an understanding of steering and suspension systems, and exploration of electronic steering. It also trains the student in proper tire selection, installation, wheel balance, and both 2 and 4 wheel suspension alignment. Course is designed to prepare students for the ASE certification test A-4 Suspension and Steering.

*Course fee is \$ 10.00*



# General Business Technology Courses

The courses listed below serve as the foundation for the following programs: Accounting, General Management, Marketing Management, and Web and Digital Communications. these courses may also meet computer science requirement for graduation.

**Please see the program pages that follow for more information on required courses.**

**Exploring Computer Science** 1 Unit Grades 9-10 502300CW *Prerequisite: Strong math skills and keyboarding*

This course is designed to allow students to explore a variety of computer programming problem solving and robotics. The curriculum is divided into six 3-week units. This course is intended for students who have an interest in Computer Programming, Computer Service Technology or Networking. **Course counts as a computer science unit required for graduation.**

*Course fee is \$10.00*

**Digital Multimedia** 1 Unit Grades 9-12 503000CW

This course covers multimedia concept and applications utilizing text, graphics, animation, sound, video, and various multimedia applications in the design, development and creation of multimedia presentations and publications within an interactive environment.

**Course counts as a computer science unit required for graduation.**

*Course fee is \$ 10.00*

**Google Applications** 1 Unit Grades 9-10 500700CW *Prerequisite: Keyboarding Proficiency*

This course is designed to introduce the student to the many applications that Google offers. Students will be learning and working with 21st century communication and collaboration tools. **Course counts as a computer science unit required for graduation.**

*Course fee is \$10.00*

**Integrated Business Applications 1** 1 Unit Grades 9-10 502001CW *Prerequisite: Keyboard Proficiency*

This course provided knowledge of computer systems, application software, and business information technology. It emphasizes business computer concepts, basic computer terminology, and use of application software. This course prepares students to earn Microsoft Office Specialist (MOS) certification. **Course counts as a computer science unit required for graduation.**

*Course fee is \$10.00*

**Integrated Business Applications 2** 1 Unit Grades 10-12 502101CW *Prerequisite: IBA 1 (C average or better is recommended)*

Microsoft Office Specialist (MOS) Certification Preparations Course\* This course teaches the student advanced word processing, spread sheet, database and presentation of computer applications. Emphasis is on speed, accuracy and production.

*Course fee is \$10.00*

**Personal Finance** 1 Unit Grades 11-12 513100CW *Prerequisite: Keyboard Proficiency and Algebra I (C average or better is recommended)*

This course teaches students how to use the computer as a tool to manage finances, develop budgets and practice personal financial management skills. This course covers payroll processing and employment benefit packages and provides students with the skills for Federal and State Income Tax return preparation.

*Course fee is \$10.00*

Students are encouraged to join and participate  
in the student organizations  
FBLA and /or DECA.

**Please see the program pages that follow for more information on required courses.**

## Accounting

Financial Planning combines the skill sets of financial managers with that of a more relationship-oriented individual. They typically work with clients either in daily, one time transactions at the bank or as a lifelong, trusted confidants who fully manage their client's wealth. These are professional people whose expertise and knowledge is valued by those they serve, whether it's to make a deposit, recommend a life insurance policy, or manage a retirement refund. People who enter the pathway of Business Finance are process-oriented. They like to see numbers add up and enjoy problem solving as a result.

### Required Courses:

**Accounting 1** 1 Unit Grades 10-12 500101CW *Prerequisite: Proficiency in Keyboarding and a C average or better in Algebra 1*  
This course is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business; to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations; and to develop an understanding of accounting concepts, principles, and practices.  
*Course fee is \$10.00*

**Accounting 2** 1 Unit Grades 10-12 500501CW *Prerequisite: C average or better in Accounting 1*  
This course is designed to expand the understanding of accounting subsystems and to develop an understanding of various methods of internal control procedures through the use of computer software and simulations.  
*Course fee is \$10.00*



## General Management

People with business skills are the ones that make the deals that build profitable companies that power the global economy. A career in business can take an individual to the CEO's corner office on the top floor of a skyscraper or around the world.

The business management and administration industry is the highest paying, with nearly half of all jobs in management and professional occupations. For those who have always wanted to be their own boss, this is the cluster to consider. Surveys indicate that about one-fourth of all workers in BMA careers are self-employed.

### Required Courses:

**Accounting 1**--see description book

**Entrepreneurship** 1 Unit Grades 11-12 540004CW *Prerequisite: Keyboarding skills, IBA 1, and a C or better in Algebra 1*  
This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership.





## Programming and Software Development

This course of study is designed to emphasize the fundamentals of computer programming. Topics include computer software, program design, and development and practical experience in programming, using modern, object-oriented languages.

### Required Courses:

**Computer Programming 1** 1 Unit Grades 10-12 505000CW *Pre requisite: Keyboard Proficiency*

This course emphasizes the fundamentals of computer programming using Visual Basic programming language. Practical experiences in progress design and development is emphasized. **Course counts as a computer science unit required for graduation.**

*Course fee is \$10.00*

**Computer Programming 2** 1 Unit Grades 11-12 505100CW *Prerequisite: C or better in Computer Programming 1*

This course is an advanced level of computer programming.

*Course fee is \$10.00*



## Web and Digital Communications

This program is designed to provide students with the knowledge and skills necessary to pursue careers in web design and development. Students will develop skills in advanced HTML and CSS coding, scripting, layout techniques, and other industry-standard practices. In Advanced Web Design and Development, students must be able to edit source code directly.

### Required Courses:

**Fundamentals of Web Page Design and Development** 1 Unit grades 10-12 503100CW *Prerequisite: Proficiency in keyboarding, Digital Multimedia suggested.*

This course provides students with the knowledge and skills needed to design, build and maintain web pages using Hypertext Markup Language and Adobe Dreamweaver. **Course counts as a computer science unit required for graduation.**

*Course fee is \$10.00*

**Advanced Web Page Design and Development** 1 Unit Grades 10-12 503300CW *Prerequisite: Fundamentals of Web Page Design and Development*

This course provides advanced web page design methods. Students will design, implement and maintain web sites.

*Course fee is \$10.00*



# Marketing Management

People with careers in marketing management formulate policies and direct the operations of businesses and corporations, non-profit institutions, and other organizations. In small firms, the owner or chief executive officer may assume all advertising, promotions, marketing, sales, and public relations responsibilities. In large firms, which may offer numerous products and services nationally or even worldwide, and executive vice president directs overall advertising, promotions, marketing, sales, and public relations policies.

## Courses Offered:

**Marketing** 1 Unit Grades 9-11 542100CW

A foundation course for the Marketing completer, this course covers marketing concepts, economics, marketing, and business and human resource foundations. Selling, promotion, distribution, risk management, and pricing are also covered.

*Course fee is \$10.00*

**Marketing Management** 1 Unit Grades 10-12 543100CW *Prerequisite: C average or better in Marketing*

This course covers management skills to plan, research, synthesize, and report in the marketing environment.

*Course fee is \$10.00*

**Advertising** 1 Unit Grades 10-12 547001CW *Prerequisite: C average or better in Marketing*

This course is for students interested in learning all aspects of advertising. Theory of advertising, planning and strategies and sales promotion and visual merchandising are explored.

*Course fee is \$10.00*

**Sport and Entertainment Management** 1 Unit Grades 11-12 542600CW *Prerequisite: Marketing*

In this course, students will apply concepts learned in Marketing and study key concepts in management and managerial principles as related to the sports and entertainment industry. Topics that will be addressed include leadership, finance, product management, people management, information management, legal and career development.



Students are encouraged to join and participate  
in the student organizations  
DECA.



# Building Construction

The Building Construction program provides students with hands-on experience using hand and power tools. The program also allows students to apply skills learned in the classroom to real life aspects such as building a house.

## Courses offered:

### **Building Construction 1** 1 Unit Grades 9-11 606002CW

This is an entry level class for students who are pursuing occupations in construction related industries. Blueprint reading will be taught and students will receive instruction on proper use of hand & power tools. All projects will be hands on. This course requires the student to work outdoors.

Course fee is \$10.00

### **Building Construction 2** 1 Unit Grades 10-11 606102CW *Prerequisite: Grade of 80 or higher in Building Construction 1*

This is an entry level class for students who are pursuing occupations in construction related industries. Blueprint reading will be required and students will receive instruction on proper use of hand & power tools. All projects will be hands on. This course requires the student to work outdoors.

Course fee is \$10.00

### **Building Construction 3** 1 Unit Grades 11-12 606202CW *Prerequisite: Grade of 80 or higher in Building Construction 2*

This class is designed for the student who is serious about pursuing a career in construction related industries. Carpentry, electricity, and plumbing will be the focus. Students will work on large scale projects (building a house). Students will receive leadership through Skills USA.

Course fee is \$10.00

### **Building Construction 4** 1 Unit Grades 11-12 606302CW *Prerequisite: Satisfactory completion of Building Construction 3*

This class is a continuation of Building Construction 3 and is for those students that plan a future career in construction. Students will continue working on large scale projects, including building the class house.

Course fee is \$10.00

### **Cabinetmaking 1** 1 Unit Grades 11-12 608000CW *Prerequisite: Satisfactory completion of Building Construction 1 and 2 and /or instructor's recommendation.*

This class is designed for students serious about working in a cabinet shop or the furniture business. Students will draw and construct cabinets and counter tops, learn to apply finishes, use tools and make furniture. Students will receive leadership through Skills USA. Class fee is \$10.00

### **Cabinetmaking 2** 1 Unit Grades 11-12 608100CW *Prerequisite: Satisfactory completion of Cabinetmaking 1 and/or instructor's recommendation.*

This class is a continuation of Cabinetmaking 1. Class fee is \$10.00



Students are encouraged to join and participate  
in the student organization  
Skills USA.



# Cosmetology

(program only available to Junior and Senior students)

The Cosmetology Program is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. Students receive training that follow the guidelines and regulations established by the South Carolina Labor, Licensing, and Regulation Cosmetology Board. The course of study includes sanitation and safety, professionalism and salon management, sciences of cosmetology, professional hair care skills, professional nail care skills, professional skin care skills, and unassigned specific needs. Instruction in chemistry, bacteriology, anatomy, and physiology of the face, head, arms, and hands is incorporated by means of theory and practical application on both mannequins and live models.

## Courses offered:

**Cosmetology 1** 1 Unit Grade 11 615000CW

**Cosmetology 2** 1 Unit Grade 11 615100CW  
*Prerequisite: Cosmetology 1*

**Cosmetology 3** 1 Unit Grade 12 615200CW  
*Prerequisite: Cosmetology 2*

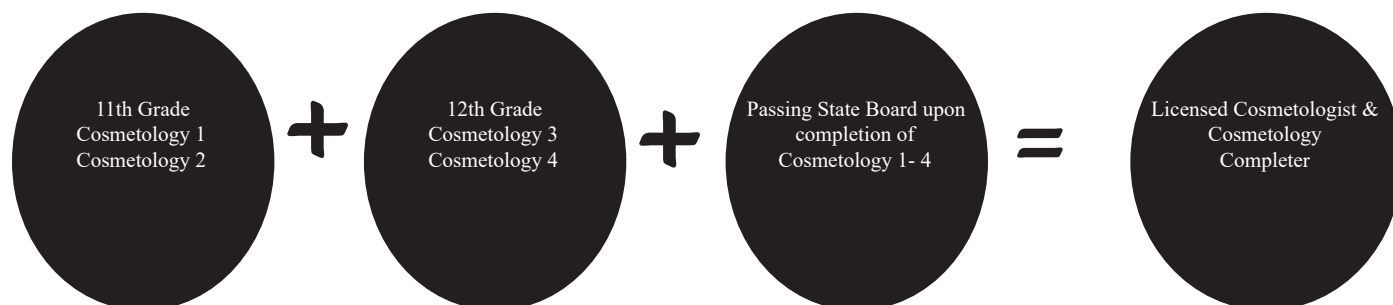
**Cosmetology 4** 1 Unit Grade 12 615300CW  
*Prerequisite: Cosmetology 3*

Students are encouraged to join and participate in the student organization Skills USA.

This program is a two-year commitment and requires the use of two blocks each semester for 2 years for students to be able to complete the 1000 hours needed for licensing.

## Sample Schedule

<u>Junior</u>		<u>Senior</u>	
<u>Fall</u>	<u>Spring</u>	<u>Fall</u>	<u>Spring</u>
Cosmetology	Math	Social Studies	
Cosmetology	Science	English	
Math	English	Cosmetology	
Social Studies	Science	Cosmetology	





# Culinary Arts

## Courses offered:

### **Intro to Culinary Arts** 1 Unit Grades 9-10 572200CW

This course provides students with an overview of interest, aptitude, and technical skills needed to advance to Culinary Arts 1 and/or the food service industry.

*Course fee is \$10.00*

### **Culinary Arts 1** 1 Unit Grades 9-10 572001CW

This course introduces the beginning skills in food preparation, sanitation, workplace safety, and customer service in the food industry. The course will combine culinary theory with laboratory experiences that stimulate both commercial and quantity food production.

*Course Fee is \$10.00*

### **Culinary Arts 2** 2 Units Grades 11-12 YEARLONG COURSE 572102CW *Prerequisite: B average or better in Culinary Arts 1*

These courses are designed to prepare students for employment and/or entry into postsecondary education in the food production and service industry. These courses combine culinary theory with lab experiences that simulate food production in the kitchen, but also have experiences in dining room and customer service.

*Course fee is \$20.00*

**Optional: After completing Culinary Arts 2, students can take the ServSafe Manager exam for a fee of \$75.00. If taken and passed, college credit may be earned.**



Students are encouraged to join and participate  
in the student organization  
Skills USA.



# Family and Consumer Science

Majors within the Family and Consumer Sciences/Human services cluster are designed to prepare students for entry-level employment in areas related to planning, managing, providing, and supporting family and human needs as social and behavioral sciences, nutrition, design, and personal care services.

## **Family & Consumer Sciences 1** 1 Unit Grades 9-12 580801CW

This introductory course in home economics emphasizes the physical, social, economic, and cultural needs of individuals and families. Instruction and lab experiences emphasize attitudes and skills relevant to personal, home, and family life responsibilities.

*Course fee is \$10.00*

## **Family & Consumer Sciences 2** 1 Unit Grades 10-12 580901CW *Prerequisite: Family & Consumer Science 1 (C average or better is recommended)*

This is a comprehensive course that builds upon the foundation laid in Family & Consumer Science 1. Instruction and learning experiences emphasize the individual as a family member and consumer. Family issues studied include family roles, resources, and coping skills.

*Course fee is \$10.00*

## **Fashion, Fabric, & Design 1** 1 Unit Grades 9-12 580402CW

This course is focused on clothing management. Students gain basic sewing skills necessary for personal and family clothing construction.

*Course fee is \$10.00*

## **Fashion, Fabric, & Design 2** 1 Unit Grades 10-12 580500CW *Prerequisite: Fashion, Fabric, & Design 1*

This course is a comprehensive course designed to advance skills in the selection, purchase, design, care, and construction of textile products.

*Course fee is \$10.00*

## **Foods & Nutrition 1** 1 Unit Grades 9-12 582402CW

This course is focused on the study of the principles of nutrition for individual and family health, fitness, and wellness. Laboratory experiences focus on food preparation, meal planning, meal services, safety and sanitation, nutrition, kitchen work, centers, and table service and etiquette.

*Course fee is \$10.00*

## **Foods & Nutrition 2** 1 Unit Grades 10-12 582502CW *Prerequisite: Foods & Nutrition 1 (C average or better is recommended)*

This course is an advanced program designed to provide students with more in-depth knowledge of individual and family health, fitness, and wellness. Coursework and lab experiences focus on responsible consumer behavior, ethnic & multicultural foods, healthy meal planning selection and preparation, and safety and sanitation. ServSafe Certification Exam.

*Course fee is \$10.00*

## **Housing & Interiors 1** 1 Unit Grades 9-12 583002CW

This course is designed to help students acquire knowledge and skills to make housing decisions throughout their life. Topics include: housing styles, home furnishings and equipment, principles of interior design, house plan evaluation and selection, and financial aspects of housing.

*Course fee is \$10.00*

## **Housing & Interiors 2** 1 Unit Grades 10-12 583102CW *Prerequisite: Housing & Interiors 1 (C average or better is recommended)*

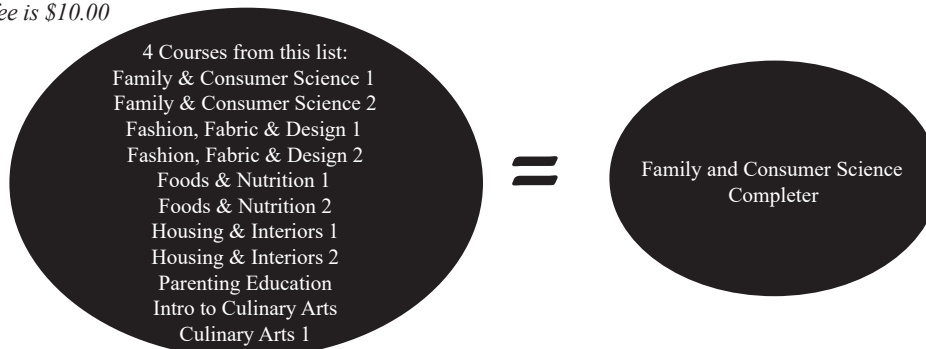
This course provides students opportunities to develop skills in applying the elements and principles of design. Students will study interior backgrounds, furnishings, lighting and accessories. Comprehensive design projects are integrated throughout the course and career and entrepreneurial opportunities are explored.

*Course fee is \$10.00*

## **Parenting Education 1** 1 Unit Grades 10-12 581601CW

This course is designed to provide students with information and experiences for their future roles as parent/educators. Learning experiences will focus on effective parenting characteristics, teen-age pregnancies, parenthood roles and responsibilities and planning for parenthood. **Comprehensive health, as required by state regulation, is taught as a part of this course.**

*Course fee is \$10.00*



Students in Family & Consumer Science courses are encouraged to participate in the FCCLA student organization.

# Health Science

Health Science Education is a secondary program of study that promotes health care opportunities to students in grades 9-12. Integration of health science courses, work-based learning experiences, HOSA-Future Health Professionals activities, and academics allow students to make informed decisions regarding an array of careers and educational pursuits.

## Courses offered:

**Health Science 1** 1 Unit Grade 10 555000CW *Prerequisite: Overall B average is recommended*

Health Science 1 is the first of four courses offered to students interested in pursuing a career in healthcare. During this course, Students are introduced to healthcare history, careers, law and ethics, cultural diversity, healthcare language and math, infection control, professionalism, communication, basics of healthcare facility organization, and types of health insurance. Students get a good grasp of where healthcare has been, where it is going, and professionalism and personal characteristics impact their success.

*Course fee is \$10.00*

**Health Science 2** 1 Unit Grade 11 555100CW *Prerequisite: Health Science 1*

Health Science 2 applies the knowledge and skills that were learned in Health Science 1 while further challenging students to learn more about the healthcare field. Health Science 2 will continue teaching in more detail about the units of study that include advanced infection control, the stages of life, and how law and ethics are applied in the healthcare setting. Students will be introduced to basic patient care skills and medical terminology, medical math and pharmacology.

*Course fee is \$10.00*

**Health Science 3** 1 Unit Grade 11 555200CW *Prerequisite: Health Science 2(B average or better is recommended)*

Health Science 3 focuses on the human body. Students will gain knowledge of all human body systems and how they work (Anatomy and Physiology). This course will emphasize on disease prevention and treatment (Pathophysiology). Medical Terminology is incorporated throughout the course and skills learned in Health Science 2 will be reinforced as each body system is studied.

*Course fee is \$10.00*

**Health Science Clinical Study** 2 Units Grade 12 **YEARLONG CLASS** 556000EW *Prerequisites: Health Science 3, B average or better recommended, Qualifying ACCUPLACER score*

(AHS 117: The Care of Patients & AHS 120: Responding to Emergencies; Dual credit(6 college credits)

This course is designed to give students a clinical experience while completing the requirements for the South Carolina nursing assistant certification and obtain 6 college credit hours. During the 1st semester, students will have classroom time to apply the concepts and clinical venues to experience a wide array of healthcare career opportunities. During the 2nd semester, the focus is on the aging process, physical care and psychosocial skills of the geriatric client, and the role of the nurse aide. All areas of the state approved core curriculum are addressed. Both school-based and long-term care facility training is provided. Students will become certified in Basic Life Support (BLS). **Students will need to purchase scrubs and a stethoscope during the school year.**

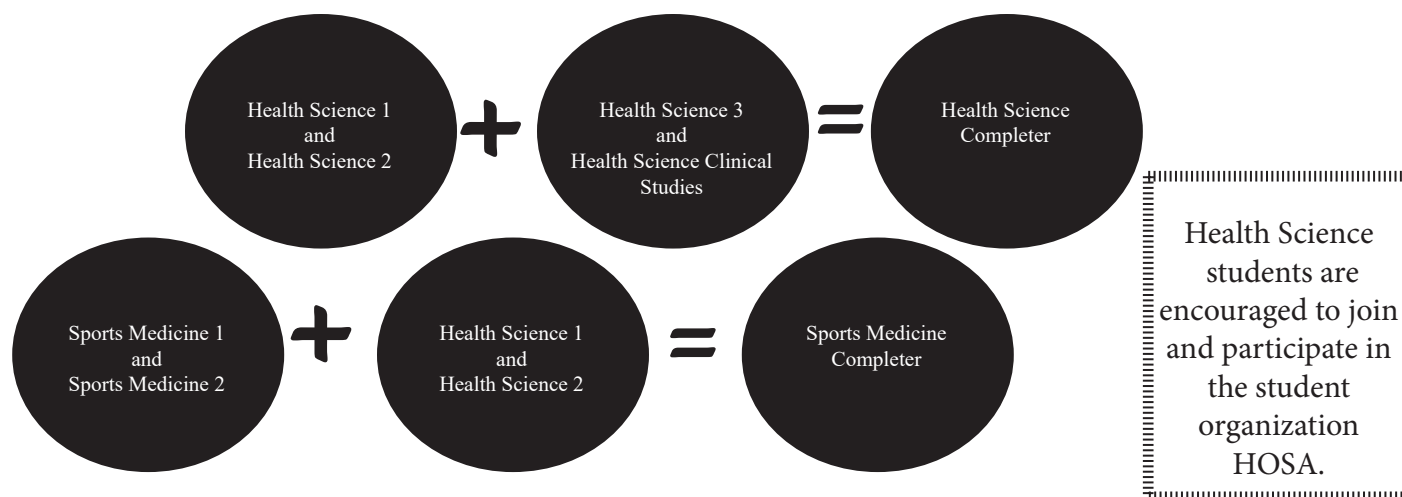
*Course fee is \$30.00*

**Methods in Sports Medicine 1** 1 Unit Grades 10-12 555000CW *Prerequisites: Minimum of C average in English and the most recent Science courses recommended.*

This course encompasses the prevention, care, treatment, and rehabilitation of athletic injuries. Topics include psychology of sports, conditioning, and injury tracking along with practical experiences.

**Methods in Sports Medicine 2** 1 Unit Grades 10-12 555600CW *Prerequisites: Methods in Sports Medicine 1*

This course is a continuation of Methods in Sports Medicine 1. The course includes instruction in injury recognition, injury evaluation procedures, protective padding, equipment fitting, and other related topics in Sports Medicine.



# Manufacturing Operations

The Manufacturing operations Certificate Program is a partnership between York School District One and local manufacturing firms. This partnership is supported by York Technical College, The South Carolina Manufacturing Extension Partnership, The South Carolina Department of Commerce and York County Economic Development. The purpose of this program is to provide students who want to establish a career in Manufacturing or Industry immediately after high school with a variety of viable career options. Students who complete the curriculum are guaranteed job interviews with six partner companies. There are two options for this program.

## Required Courses for both options:

### **Introduction to Manufacturing Technology** 1 Unit Grades 9-10 604501CW

This is an entry-level course in the Manufacturing Operations Major that provides students an introduction to manufacturing industries and may be used as a prerequisite for any of the manufacturing careers: Electronics Technology, Machine Technology, Mechatronics, Integrated Technologies, Metal Fabrication, and Welding. Students will also receive basic instruction in soft skills, SixSigma, Lean Manufacturing, facilities operation and other knowledge needed to work effectively in a manufacturing or industrial setting.

Course fee is \$5.00

### **Mechatronics Integrated Technologies (MIT)** 1 Unit Grades 10-12 621000CW *Prerequisite: Enrolled in or completed Introduction to Manufacturing or Introduction to Engineering Design*

This course prepares students for a technician career path or higher education engineering degrees. The program covers electrical/electronics, mechanical, information technology and information systems.

Course fee is \$5.00

## Courses for Option 1:

### **Computer Integrated Manufacturing (CIM)** 1 Unit Grades 10-12 605300CW *Prerequisite: Enrolled in or completed Introduction to Manufacturing or Introduction to Engineering Design*

Students learn about manufacturing processes, product design, robotics, and automation. Students develop their knowledge and skills of Computer Aided Design and Manufacturing to produce products using a Computer Numerical Controlled (CNC) mill. Students apply the knowledge and skills gained in this course as they collaborate to design, build and program factory system models.

### **Course counts as a computer science unit required for graduation.**

Course fee is \$15.00

### **Welding 1 (WLD 111)** 1 Unit-Dual Credit Grade 12 634000EW *Prerequisite: Qualify ACCUPLACER scores*

This dual credit course is offered on the York Technical College campus and registration must be approved by a counselor and the Technology Center Director. This course consists of 2 hours of class periods and 6 hours of laboratory and covers the safety, equipment, and skills used in the shielded metal arc welding process. Fillet welds are made to visual criteria in several positions. The class instructions includes lectures, demonstrations, discussions, and tests. The lab consists of exercises that are self-paced using welding shop equipment. Instructors will work with each student to assure quality work.

### **Machine Tool Technology 1 (EGT 128)** 1 Unit-Dual Credit Grade 12 *Prerequisite: Qualify ACCUPLACER scores*

The course is offered on the York Technical College campus and registration must be approved by a counselor and the Technology Center Director. The course prepares students to perform entry level machine shop tasks under the supervision of an experienced machinist. Upon completion of this course, students should receive advanced placement at York Tech or be able to enter the machine trade as an advanced apprentice.





**Courses for Option 2: These courses are taken at York Technical College**

**DC/AC Circuits (EEM 117)** 1 Unit-Dual Credit Grade 11 *Prerequisite: Introduction to Manufacturing & Mechatronics, must meet qualifying ACCUPLACER scores.*

This course is a study of direct and alternating theory, Ohm's Law, series, parallel, and combination circuits. circuits are constructed and tested.

**Control Circuits (EEM 121)** 1 Unit-Dual Credit Grade 11 *Prerequisite: DC/AC Circuits*

This course covers the basic principles of electrical measuring instruments and how they are used in industries.

**National Electrical Code (EEM 140)** 1 Unit-Dual Credit Grade 11 *Prerequisite: DC/AC Circuits*

This course is a study of the national electrical code and is based on the latest codes as published by the National Fire Protection Association (NFPA)

**Control Circuits 2 (EEM 145)** 1 Unit-Dual Credit Grade 11 *Prerequisite: DC/AC Circuits*

This course covers the principles and applications of component circuits and methods of motor control.

**DC/AC Machines (EEM 215)** 1 Unit Grade 11 *Prerequisite: DC/AC Circuits*

This course is a study of applications, operations, and construction of DC and AC machines.

**DC/AC Drives (EEM 221)** 1 Unit-Dual Credit Grade 12 *Prerequisite: DC/AC Machines*

This course covers the principles of operation and application of DC drives and AC drives.

**Programmable Controllers (EEM 251)** 1 Unit-Dual Credit Grade 12 *Prerequisite: Control Circuits 2*

This course is an introduction to programmable control systems with emphasis on basic programming techniques. A variety of input/output devices and their applications are covered.

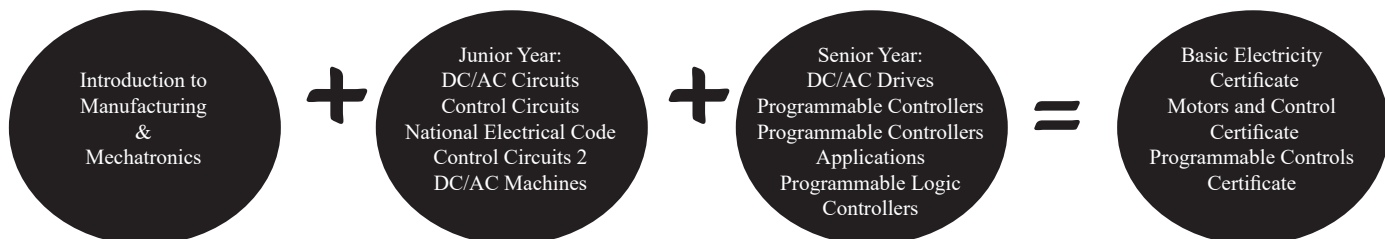
**Programmable Controllers Applications (EEM 252)** 1 Unit-Dual Credit Grade 12 *Prerequisite: Control Circuits 2*

This course covers the application of programmable controller theories and operation procedures. Topics such as interfacing data manipulation and report generation are covered. Programmable controller projects are constructed, operated and tested.

**Programmable Logic Controllers (EEM 250)** 1 Unit-Dual Credit Grade 12 *Prerequisite: Control Circuits 2*

This course is a study of programmable control systems with emphasis on basic programming techniques. Additional topics such as interfacing, data manipulation, and report generation will be covered.

Students completing option 2 will graduate high school having earned 29 college credit hours.



Manufacturing students are encouraged to join and participate in the student organization Skills USA.



# Mechanical Design

The Mechanical Design program prepares students to perform entry-level tasks under the supervision of an experienced drafter or engineer. Instruction includes safety, basic drafting techniques, geometric constructions, sketching, shape description, size description, drawing conventions, computer-aided design, manufacturing processes, applied geometry, and technical illustration. Upon successful completion of the Mechanical Design Program, students will be prepared for post-secondary education and entry-level mechanical related careers.

## Courses offered:

### **Mechanical Design 1** 1 Unit Grades 9-12 617201CW

This course is a technical drawing course recommended for students planning to study engineering, architecture or planning a career in any design field. Students learn to draw plans, work with blueprints, study freehand sketching, learn to draw mechanical drawing techniques, and study computer aided design and drafting (CADD) using AutoCAD. **Course counts as a computer science unit required for graduation.**

*Course fee is \$15.00*

### **Mechanical Design 2** 1 Unit Grades 10-12 617300CW *Prerequisite: Mechanical Design 1 with a C average or better*

In this course students expand their drafting skills and are introduced to 3-D computerized solid modeling and AutoCAD.

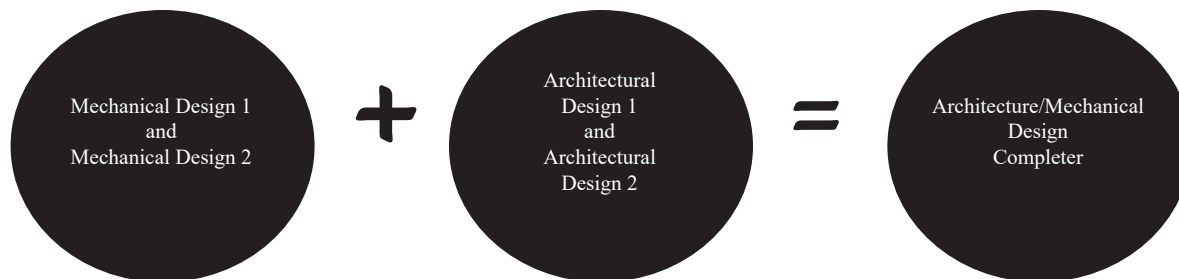
*Course fee is \$15.00*

### **Architectural Design 1** 1 Unit Grade 10-12 617000CW *Prerequisite: Mechanical Design 1 or 2 with a C average or higher*

This course focuses on the field of architecture with emphasis on how houses are designed and built. Instruction is given in design technology and techniques, building codes, and materials and construction techniques.

*Course fee is \$15.00*

Mechanical Design students are encouraged to join and participate in the student organization Skills USA.



# Networking Systems

Networking Systems provides students with classroom, laboratory, and hands-on experience in current and emerging networking technologies. Upon successful completion of the course sequence in the networking major, students will be able to seek employment or further their education and training in the information technology field. The networking student will benefit most from the curriculum if he or she possesses a strong background in reading, math, and problem-solving.

## Course offered:

**Networking Fundamentals** 1 Unit Grades 10-11 5311000CW *Prerequisite: C average or better in Algebra 1 or Intermediate Algebra and basic computer knowledge*

Instruction is based on industry domains including network architecture; network operations; network security; network troubleshooting; industry standards, practices, and network theory; and workplace readiness and leadership skills. In addition, instruction and training are provided for the proper care, maintenance, and use of networking software, tools, and equipment. Particular emphasis is given to the use of critical thinking skills and problem solving techniques.

*Course fee is \$15.00*

**Advanced Networking** 1 Unit Grades 10-11 531000CW *Prerequisite: Networking Fundamentals*

This course is designed to provide students with the knowledge and skills needed for entry-level positions in system administration. The student will learn the fundamentals of networks and how to build and manage a network and work toward Computer Systems Administration (Cisco Certification)

*Course fee is \$15.00*

**Server Administration (Honors)** 1 Unit Grades 11-12 531200HW *Prerequisite: Advanced Networking*

This course provides students with classroom and laboratory experience in current and emerging technologies related to servers. Upon successful completion of the course sequence, students will be able to seek employment or further their education and training in the information technology field. The server administration student will benefit most from the curriculum if he or she possesses a strong background in reading, math, and problem solving skills. Instruction includes system hardware, software, storage, IT environments, disaster recovery, troubleshooting, and leadership skills.

*Course fee is \$15.00*

**Advanced Server Administration (Honors)** 1 Unit Grades 11-12 531300HW *Prerequisite: Server Administration*

This course provides students with classroom and laboratory experience in current and emerging networking technologies. Upon successful completion of the course sequence, students will be able to seek employment or further their education and training in the information technology field. Students will benefit most from the curriculum if they possess a strong background in reading, math, and problem solving skills. Instruction includes advanced system hardware, advanced software, advanced storage, advanced IT environments, advanced disaster recovery, advanced troubleshooting, and leadership skills.

*Course fee is \$15.00*

**Computer Repair and Service** 1 Unit Grades 9-12 532000CW *Prerequisite: Basic computer skills and strong math skills*

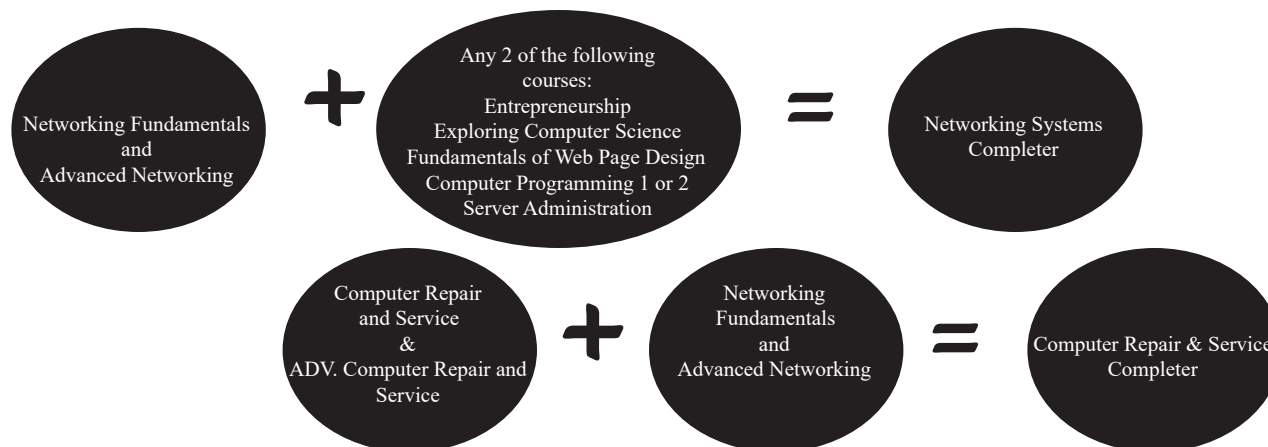
This course focuses on teaching the knowledge and skills needed for entry level positions in the microcomputer industry. Basic networking concepts and the functions and configurations of a network are covered. Upon successful completion of this course, students will receive a Certificate of Completion for IT Essentials I: PC Hardware and Software. The course will help prepare students for the CompTIA A+ certification exam.

*Course fee is \$15.00*

**Home Systems Technology (DHTI+)** 1 Unit Grades 9-12 533001CW *Prerequisite: Basic computer skills and strong math skills*

This course gives students hands on experience with smart home subsystems. Practice includes training on structures wiring, residential systems, and system integration concluding in a final design project. The course prepares students for the Home Technology Integration Certification exam (HTI+)

*Course fee is \$15.00*



# Pre-Engineering Project Lead the Way (PLTW)

The PLTW courses will expose students to scientific research and development and professional and technical services in engineering, including laboratory and testing services.

## Courses Offered:

**Introduction to Engineering Design (IED)** 1 Unit Grades 9-12 605100HW *Prerequisite: Enrollment in a CP level math course.*

This is a pre-engineering course that introduces students to engineering and helps them develop problem solving skills used in the engineering field. Students learn to design and draw with a computer program called Inventor. This is a beginning course in a sequence of Project Lead the Way courses. **Course counts as a computer science unit required for graduation.**

*Course fee is \$15.00*

**Digital Electronics (DE)** 1 Unit Grades 9-12 605200HW *Prerequisite: IED or Introduction to Manufacturing*

Students use computer simulations to learn about the logic of electronics as they design problems and develop, analyze, and create product models.

*Course fee is \$15.00*

**Principles of Engineering (POE)** 1 Unit Grades 9-12 60500HW *Prerequisite: Completed Algebra 1, enrolled in or completed IED or Introduction to Manufacturing*

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation and motion. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration and presentation.

*Course fee is \$15.00*

**Computer Integrated Manufacturing (CIM)** 1 Unit Grades 10-12 605300CW *Prerequisites: Enrolled in or completed IED or Introduction to Manufacturing*

Students learn about manufacturing processes, product design, robotics, and automation. Students develop their knowledge and skills of Computer Aided Design and Manufacturing to produce products using a Computer Numerical Controlled (CNC) mill. Students apply the knowledge and skills gained in this course as they collaborate to design, build and program factory system models.

*Course fee is \$15.00*



Pre-Engineering students are encouraged to join and participate in the student organization Skills USA.