

YORK COMPREHENSIVE HIGH SCHOOL  
FLOYD D JOHNSON TECHNOLOGY CENTER

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Course Description Guide 2021-2022



# District Information

2021-2022

## York School District One

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## YORK SCHOOL DISTRICT ONE VISION

Building the foundation for tomorrow by sparking potential and inspiring success.

## Board of Trustees

Mrs. Diane Howell, Chairperson, At-Large

Mr. Scott Childers, Trustee, At-Large

Mr. Wade Anderson, Trustee, Seat 1

Mr. Mike Smith, Trustee, Seat 2

Mr. Christopher Revels, Vice-Chair, Seat 3

Ms. Betty Johnson, Trustee, Seat 4

Mrs. Tracy Miskelly, Secretary, Seat 5

## 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 BELIEF

### STATEMENTS

- 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 POLICY

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, Director of Human Resources

PO Box 770

York SC 29745 or 803. 684.9915

# PROFILE OF THE GRADUATE

2021-2022

## 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

© SCASA Superintendents' Roundtable

Adopted by: SC State Board of Education, SC Department of Education, SC Education Oversight Committee, SC Arts Alliance, SC Arts in Basic Curriculum Steering Committee, SCASCD, SC Chamber of Commerce, SC Council on Competitiveness, SC School Boards Association, TransformSC Schools and Districts.

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## FLOYD D. JOHNSON TECHNOLOGY CENTER

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# ACADEMIC PLANNING

2021-2022

## SOUTH CAROLINA UNIFORM GRADING POLICY

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

*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*

# ACADEMIC PLANNING

2021-2022

## 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	1/2 Unit
Government	1/2 Unit
Other social studies	1 Unit
Computer Science**	1 Unit
Physical Education or NJROTC	1 Unit
World Language or Career and Technology Education	
Elective***	1 Unit
Electives	7 Units
Total Required	24 Unities

*\*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:*

- ⇒ Advanced Computer Service Repair
- ⇒ Advanced Web Page Design and Development
- ⇒ Computer Service Repair
- ⇒ Computer Programming 1
- ⇒ Computer Programming 2
- ⇒ Fundamentals of Computing
- ⇒ Fundamentals of Web Page Design and Development
- ⇒ IT Fundamentals
- ⇒ Principles of Engineering POE

*\*\*Theses are subject to change\*\**

*\*\*\*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 PE 1, NJROTC 1, and (beginning F2019) Marching Band 1 curriculum.

## 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.



# ACADEMIC PLANNING

2021-2022

## 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.

# ACADEMIC PLANNING

2021-2022

## 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, will not be included in class rank after 1st semester and are therefore not eligible to attend to participate in student activities including Prom, Senior Picnic, etc. ***Beginning 2021-2022 Early Graduates, will only be eligible to participate for the WINTER COMMENCEMENT exercises.***

*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.***

# ACADEMIC PLANNING

2021-2022

## INTERSCHOLASTIC ACTIVITIES ELIGIBILITY AND PARTICIPATION GUIDELINES (ATHLETICS, BAND, AND CHORUS)

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

### YORK SCHOOL DISTRICT ONE-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.

**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.**

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

## 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.

# ACADEMIC PLANNING

2021-2022

## 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 processional 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 3.5 GPA in Technology Center courses, a 3.0 overall GPA, follow the attendance policy and have no suspensions on their discipline record. The students must be an active member in a FDJTC student

organization.

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.

# ACADEMIC PLANNING

2021-2022

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 WIN 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) 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.

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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**-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. If a student has a GPA lower than a 3.0 then he/she will need the required test scores below.***

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

Reading	Math (Associate Degree)
SAT V (480)	SAT Math (400)
ACT Reading (21)	ACT (Math (16)
Writing	Math (4 Year College Transfer)
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.

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## YORK SCHOOL DISTRICT ONE-DUAL CREDIT ENROLLMENT

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

### Career and Technology Courses

FDJTC	YORK TECH	NEXT GEN Qualifying Scores			SAT/ACT Qualifying Scores				HSGPA
COURSE	COURSE	READING	WRITING	QAS	SAT		ACT MATH		WEIGHTED GPA
					VERBAL	MATH	READING	MATH	
Accounting 2	ACC 111	210	NA	N/A	480	570	21	23	>=3.0
Health Science 2	AHS 117	210	NA	N/A	480	570	21	23	>=3.0
Fundamentals of Building Const.	BCT 102	210	N/A	N/A	480	570	21	23	>=3.0
Tool Usage and Safety	BCT 105	210	N/A	N/A	480	570	21	23	>=3.0
Introduction to Early Childhood	ECD 101	210	N/A	N/A	480	570	21	23	>=3.0
Growth and Development II	ECD 203	250	250	N/A	480	570	21	23	>=3.0
AC/DC Circuit	EEM 117	250	250	N/A	480	570	21	23	>=3.0
Control Circuits (Lecture and Lab)	EEM 145	250	250	N/A	480	570	21	23	>=3.0
DC/AC Machines	EEM 215	250	250	N/A	480	570	21	23	>=3.0
DC/AC Drives	EEM 221	250	250	N/A	480	570	21	23	>=3.0
Electrical Computations	ELW 110	210	N/A	N/A	480	570	21	23	>=3.0
Introduction to Electricity	ELW 112	210	N/A	N/A	480	570	21	23	>=3.0
Overhead Line Construction I	ELW 114	210	N/A	N/A	480	570	21	23	>=3.0
Underground Line Construction I	ELW 211	210	N/A	N/A	480	570	21	23	>=3.0
Machine Tool Print Layout	EGT 128	210	NA	N/A	480	570	21	23	>=3.0
Machine Tool Theory & Practice I	MTT 111	210	NA	N/A	480	570	21	23	>=3.0
Machine Tool Theory & Practice II	MTT 112	210	NA	N/A	480	570	21	23	>=3.0
CNC Programming I	MTT 254	210	NA	N/A	480	570	21	23	>=3.0
Gas Welding and Cutting	WLD 104	250	250	N/A	480	570	21	23	>=3.0
ARC Welding I	WLD 111	250	250	N/A	480	570	21	23	>=3.0
ARC Welding II	WLD 113	250	250	N/A	480	570	21	23	>=3.0
Advanced Inert Gas Welding	WLD 136	250	250	N/A	480	570	21	23	>=3.0
Tungsten ARC Welding	WLD 152	250	250	N/A	480	570	21	23	>=3.0

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## YORK SCHOOL DISTRICT ONE-DUAL CREDIT ENROLLMENT

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

### General Studies Courses

YCHS	College/ University	NEXT GEN Qualifying Scores			SAT/ACT Qualifying Scores				HSGPA
COURSE	COURSE	READING	WRITING	QAS	SAT		ACT MATH		Weighted GPA
					READING/ WRITING	MATH	ENGLISH	MATH	
Biological Science I	BIO 101	250	250	N/A	480	570	21	23	>=3.0
Biological Science II	BIO 102	250	250	N/A	480	570	21	23	>=3.0
Anatomy & Physiology I	BIO 210	250	250	N/A	480	570	21	23	>=3.0
Anatomy & Physiology II	BIO 211	250	250	N/A	480	570	21	23	>=3.0
Intro to Criminal Justice	CRJ 101	250	250	N/A	480	570	21	23	>=3.0
Criminal Law	CRJ 115	250	250	N/A	480	570	21	23	>=3.0
English	ENG 101	250	250	N/A	480	570	21	23	>=3.0
English	ENG 102	Must have earned a grade of "C" or better in ENG 101							
Communications I	ENG 155	250	250	N/A	480	570	21	23	>=3.0
Microcomputer Appl.	CPT 170	250	250	N/A	480	570	21	23	>=3.0
Psychology	PSY 201	250	250	N/A	480	570	21	23	>=3.0
Political Science	PSC 201	250	250	N/A	480	570	21	23	>=3.0
Public Speaking	SPC 205	250	250	N/A	480	570	21	23	>=3.0
Western Civilization	HIS 101	250	250	N/A	480	570	21	23	>=3.0

### General Studies Courses-Mathematics

YCHS	College/ University	NEXT GEN Qualifying Scores			SAT/ACT Qualifying Scores				
COURSE	COURSE	READING	WRITING	QAS	SAT		ACT MATH		WEIGHTED GPA
					READING/ WRITING	MATH	ENGLISH	MATH	
Contemporary Mathematics	MAT 155	N/A	N/A	237	480	570	21	23	>=3.0
Pre-Calculus	MAT 112	N/A	N/A	237	480	570	21	23	>=3.0
Probability & Statistics	MAT 120	N/A	N/A	237	480	570	21	23	>=3.0

YCHS COURSE	College/ University Course	NEXT GEN Qualifying Scores			SAT/ACT Qualifying Scores				WEIGHTED GPA
		READING	WRITING	QAS	SAT		ACT		
					READING/ WRITING	MATH	ENGLISH	MATH	
Middle Course (YTC)	COL 105	250	250	N/A	480	570	21	23	>=3.0
Teacher Cadet (WU)	TC 175	N/A	N/A	N/A	480	570	21	23	>=3.0 Essay, 5



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## DUAL CREDIT COURSE DESCRIPTIONS

*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 1

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, mandolin 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 101: Beginning Algebra

This course includes the following topics: operations with signed numbers; addition, subtraction, multiplication, and division with algebraic expressions; factoring; techniques for solving linear and fractional equations; and an introduction to graphing.

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

### MAT 102: Intermediate Algebra

This course includes the following topics: properties of numbers; fundamental operations with algebraic expressions; polynomials; systems of equations; ratio and proportion; factoring; functions; graphs; solutions of linear inequalities; and linear and quadratic equations.

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

### 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*

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## 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.

## ARC LEARNING ADVANCED PLACEMENT COURSE OPTIONS

ARC 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 ARC 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 ARC 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 the student will receive a pass/fail and 1 Carnegie credit for the completed course. 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.

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## 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, & GEN NEXT 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. GEN NEXT- 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.

### WIN READY TO WORK (R2W)

WIN-Ready to Work (R2W) is an employment skills assessment system. Employers use WIN R2W to measure workplace skills of employees and job applicants. Schools and colleges also use WIN R2W to prepare students for the workplace.

WIN R2W made up of several assessment tests that measure different kinds of employment-related skills. Three assessments demonstrate basic skills and one demonstrates "soft skills":

- ⇒ Applied Mathematics
- ⇒ Reading for Information
- ⇒ Locating Information
- ⇒ Essential Soft Skills

### 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.*

### GEN NEXT-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 GEN NEXT-ACCUPLACER. This test measures skills in reading, English and mathematics. GEN NEXT-ACCUPLACER testing is available on the York Technical College campus.

**The GEN NEXT-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)

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## 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

### WORKFORCE READY

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 are interested in an internship or job shadowing you will need to see Ms. Carrigan in the Technology Office.

### 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.

### TWO-YEAR 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.

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).

## 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

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.

# ACADEMIC PLANNING

2021-2022

## COLLEGE PLANNING CHECKLISTS

### 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 GEN NEXT-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.

# REGISTRATION PROCESS

2021-2022

## 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.

# REGISTRATION PROCESS

2021-2022

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.

## 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
- Early Childhood Education
- 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.

# REGISTRATION PROCESS

2021-2022

## 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.



# COURSE SEQUENCES

2021-2022

## ENGLISH SEQUENCE RECOMMENDATIONS

<i>4 UNITS REQUIRED</i>	HIGH SCHOOL CORE/ CAREER PATHWAY	COLLEGE PATHWAY	HONORS PATHWAY
8TH GRADE	8th Grade English	8th Grade English	English 1-H
9TH GRADE	English 1 or English 1-CP	English 1-CP or English 1-H	English 2-H
10TH GRADE	English 2 or English 2-CP	English 2-CP or English 2-H	English 3-H
11TH GRADE	English 3-CP	English 3-CP or English 3-H	English 4-H
12TH GRADE	English 4-CP	English 4-CP or English 4-H	English Comp 101/102 OR AP English Literature

## MATH SEQUENCE RECOMMENDATIONS

<i>4 UNITS REQUIRED</i>	HIGH SCHOOL CORE/ CAREER PATHWAY	COLLEGE PATHWAY	HONORS PATHWAY
8TH GRADE	Transition Algebra	Transition Algebra	Algebra 1-Honors
9TH GRADE	Transition Algebra OR Foundations in Algebra OR Algebra 1 –CP	Algebra 1 –CP/Honors OR Foundations in Algebra	Algebra 2-Honors
10TH GRADE	Foundations Algebra OR Intermediate Algebra OR Algebra 2 CP	Algebra 2 CP/Honors OR Intermediate Algebra	Geometry-Honors
11TH GRADE	Intermediate Algebra OR Geometry-CP	Geometry-CP/Honors	Pre Calculus-Honors OR AP Calculus (AB)
12TH GRADE	Geometry-CP OR Algebra 3-CP OR Pre Calculus OR Probability & Statistics	Algebra 3-CP OR Pre Calculus OR Probability & Statistics	Calculus-Honors OR AP Calculus (AB or BC) OR MATH 110/120 OR Probability & Statistics

# COURSE SEQUENCES

2021-2022

## SCIENCE SEQUENCE RECOMMENDATIONS

3 UNITS REQUIRED	HIGH SCHOOL CORE/ CAREER PATHWAY	COLLEGE PATHWAY	HONORS PATHWAY
8TH GRADE	8th Grade Science	8th Grade Science	8th Grade Science
9TH GRADE	Integrated Science	Integrated Science-CP	Biology 1-Honors
10TH GRADE	Biology 1-CP	Biology 1-CP	Chemistry 1-Honors
11TH GRADE	Chemistry 1-CP	Chemistry 1-CP	Physics-Honors
12TH GRADE	Environmental Science or Earth Science	Environmental Science or Earth Science or Anatomy & Physiology or Forensic Science	Biology 101/Biology 102 or Anatomy & Physiology Honors or Biology 210 (Anatomy & Physiology)

## SOCIAL STUDIES SEQUENCE RECOMMENDATIONS

3 UNITS REQUIRED	HIGH SCHOOL CORE/ CAREER PATHWAY	COLLEGE PATHWAY	HONORS PATHWAY	OPTIONAL COURSES
8TH GRADE	8th Grade Social Studies	8th Grade Social Studies	8th Grade Social Studies	
9TH GRADE	Human Geography	Human Geography-CP	World History Honors	
10TH GRADE	Student Option	World History-CP or Law Education	AP Human Geography or AP World History (optional)	<i>Elective Options for CP or Honor Students during the 10, 11, or 12th grade:</i>  AP World History Law Education Psychology (1/2) Sociology(1/2) Psychology (PSY201) Introduction to Criminal Justice (CRJ101) Criminal Law (CRJ115)
11TH GRADE	US History	US History CP	US History Honors or AP US History	
12TH GRADE	Economics/US Government	Economics/US Government	Economics/US Government Honors or Political Science (PSC 201) or AP World History	

# COURSE SEQUENCES

2021-2022

## FINE AND PERFORMING ARTS SEQUENCE RECOMMENDATIONS

1 UNIT REQUIRED	FINE ARTS PATHWAY	PERFORMING ARTS PATHWAY	OPTIONAL COURSES
9TH GRADE	Art 1	Women's Ensemble AND Advanced Women's Ensemble or Concert Band and Marching Band or Theatre 1	Students can take the following courses in grades 9-12:  ⇒ Art 1 ⇒ Women's Ensemble AND ⇒ Advanced Women's Ensemble ⇒ Concert Band and Marching Band ⇒ Theatre 1
10TH GRADE	Drawing 1 or Painting 1 or Ceramics & Sculpture	Theatre 2 (optional)	
11TH GRADE	Drawing 2 or Painting 2 or Ceramics & Sculpture 2 or Drawing 1 or Painting 1	Theatre 2 or Theatre 3	
12TH GRADE	AP Studio Art	Theatre 2 or Theatre 3 or Theatre 4	

# COURSE SEQUENCES

2021-2022

## EARLY COLLEGE SEQUENCE RECOMMENDATIONS

	ENGLISH	MATHEMATICS	SCIENCE	SOCIAL STUDIES
<b>8TH GRADE</b>	English I Honors	Algebra I-Honors		
<b>9TH GRADE</b>	English II Honors	GEOMETRY HONORS AND ALGEBRA 2 HONORS	BIOLOGY HONORS	AP WORLD HISTORY
<b>10TH GRADE</b>	English III Honors	PRECALCULUS HONORS	CHEMISTRY HONORS	HISTORY 101/CPT 170 (FALL) AND AP HUMAN GEOGRAPHY (SPRING)
<b>11TH GRADE</b>	English IV Honors	AP CALCULUS (AB) OR CALCULUS HONORS	PHYSICS HONORS	AP US HISTORY
<b>12TH GRADE</b>	ENGLISH 101/ ENGLISH 102 OR AP ENGLISH	MAT 110 OR MAT 120 OR AP CALCULUS (AB OR BC)	BIOLOGY 101 OR ANATOMY 210	PSY 201 OR AP WORLD HISTORY OR PSC 201

# CURRICULUM FRAMEWORK

2021-2022

## York School District One Curriculum Framework-16 Career Clusters

### **Area of Arts & Humanities**

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

Journalism and Mass Communications Major .....	31
World Languages Major (French, Spanish) .....	31
English Major .....	32
Visual Arts Major .....	32
Performing Arts Major .....	33
Law and Legal Services Major .....	33

#### *Education & Training Cluster*

Teaching & Training Major .....	34
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### **Area of Business, Management & Information Technology**

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

General Management Major .....	34
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#### *Finance Cluster*

Accounting Major .....	35
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#### *Information Technology Cluster*

Programming & Software Development Major .....	35
Networking Systems Major .....	36
Web & Digital Communications .....	36

#### *Hospitality & Tourism Cluster*

Culinary Arts .....	37
Restaurant, Food/Beverage & Lodging Major .....	37

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

Marketing Management Major .....	38
Merchandising Major .....	38
Marketing Communications Major .....	39

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

#### *Architecture & Construction Cluster*

Construction Technology Major .....	39
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#### *Manufacturing Cluster*

Machine Tool Technology Major .....	40
Manufacturing Operations .....	40

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

Pre-Engineering Major .....	41
Mathematics Major .....	41
Science Major .....	42

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

Automotive Technology Major .....	42
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#### *Agriculture, Food & Natural Resources Cluster*

Agricultural Science & Mechanics Major .....	43
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### **Area of Health Science and Human Services**

#### *Health Science Cluster*

Health Science Technology Major .....	43
Medical Science & Research Major .....	44
Physical/Occupational Therapy Major .....	44

#### *Human Services Cluster*

Counseling & Social Work Major .....	45
Child Development & Family Science Major .....	45
Fashion Construction & Design Major .....	46
Cosmetology .....	46

### **Area of Public Services**

#### *Government & Public Administration Cluster*

Social Sciences Major .....	47
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#### *Law, Public Safety & Security Cluster*

Military Science Major .....	47
Law & Legal Services Major .....	48
Occupational Credential .....	48

# CURRICULUM FRAMEWORK

2021-2022

## 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 <i>French</i> <i>Spanish</i></li> <li>English</li> <li>Visual Arts</li> <li>Performing Arts</li> </ul> <hr/> <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> <hr/> <b>Finance Cluster</b> <ul style="list-style-type: none"> <li>Accounting</li> </ul> <hr/> <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> <hr/> <b>Hospitality &amp; Tourism Cluster</b> <ul style="list-style-type: none"> <li>Culinary Arts</li> <li>Restaurant, Food/ Beverage &amp; Lodging</li> </ul> <hr/> <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> <hr/> <b>Manufacturing Cluster</b> <ul style="list-style-type: none"> <li>Machine Tool Tech. (York Tech)</li> <li>Manufacturing Operations</li> </ul> <hr/> <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> <hr/> <b>Transportation, Distribution, &amp; Logistics Cluster</b> <ul style="list-style-type: none"> <li>Automotive Technology</li> </ul> <hr/> <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> <hr/> <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> <hr/> <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>

# CURRICULUM FRAMEWORK

2021-2022

## 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	Theatre Fine Arts Courses Integrated Bus. Apps. 1 Fundamentals of Web Page Design and Development Advanced Web Page Design and Development World Language Courses	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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 LANGUAGES

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
French 1, 2, 3, 4 Spanish 1, 2, 3, 4 Spanish 101 AP Spanish	AP Human Geography Fine Arts Courses NJROTC Teacher Cadet CP Human Geography Creative Writing/Public Speaking	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

# CURRICULUM FRAMEWORK

2021-2022

## 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	Theatre Marketing Teacher Cadet Fundamentals of Web Page Design and Development Advanced Web Page Design and Development	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> (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> Ceramics 2 Drawing 2 Painting 2 Art 4 Honors AP Studio Art	Creative Writing /Public Speaking Theatre Fashion, Fabric, & Design 1 Housing & Interiors 1, 2 Integrated Business Apps. 1 Teacher Cadet Fundamentals of Web Page Design and Development Advanced Web Page Design and Development	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> (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



# CURRICULUM FRAMEWORK

2021-2022

## 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 Jazz Band Ensemble Speech/Creative Writing World Language Courses Computer Courses Teacher Cadet Building Construction Fashion and Fabrics	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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/Producer/Director Music Therapist Educator Choral Director

## MAJOR: LAW AND LEGAL SERVICES

REQUIRED COURSES FOR MAJOR(4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
American Government AP English English 101 Government/Economics Honors Introduction to Criminal Justice (CJR 101) Law Education Psychology Sociology	Creative Writing/Public Speaking Digital Publication Design NJROTC Other Computer Courses Personal Finance	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: TEACHING AND TRAINING

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<b>Required:</b> Teacher Cadet  <b>Plus 3 of the following:</b> AP Course of Choice Psychology 201 Psychology/Sociology Public Speaking/Creative Writing	Fine Arts Courses Sports Medicine 1 Parenting Education Fundamentals of Web Page Design and Development Advanced Web Page Design and Development World Language Courses	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<b>HIGH SCHOOL DIPLOMA</b> Day Care Worker Instructional Assistant Driving School Instructor Recreation/Fitness Trainer	<b>2-YEAR ASSOCIATE DEGREE</b> Day Care Provider Social Worker Substitute Teacher Training Manager	<b>4-YEAR DEGREE &amp; HIGHER</b> Educator Counselor/Psychologist Human Resources Director

## MAJOR: GENERAL MANAGEMENT

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

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: ACCOUNTING

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Accounting 1 Accounting 2  <b>Plus 2 of the following:</b>  Entrepreneurship Integrated Business Apps 1 Work Based Credit	Economics CP, H, AP Fundamentals of Computing Integrated Business Apps. 1	Career Shadowing Career Mentoring Career Related Student Organizations Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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 System Analyst	<b>4-YEAR DEGREE &amp; HIGHER</b> Certified Public Accountant Educator Financial Planner Chief Financial Officer Stockbroker

## MAJOR: PROGRAMMING & SOFTWARE DEVELOPMENT

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Computer Programming 1 Computer Programming 2  <b>Plus 2 of the following:</b>  Entrepreneurship Integrated Business Apps. 1 Fundamentals Web Page Design	Other Computer Courses Other Math Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: NETWORKING SYSTEMS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> Networking Fundamentals Advanced Networking <b>Plus 2 of the following:</b> Computer Programming 1, 2 Entrepreneurship Exploring Computer Science Info. Technology Foundations Fundamentals of Web Page Design and Development Advanced Web Page Design and Development	Integrated Business Apps. 1 Other Computer Courses Other Math Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Fundamentals Web Page Development Advanced Web Page Design & Development <b>Plus 2 of the following:</b> Computer Programming 1, 2 Entrepreneurship Integrated Business App. 1	Other Computer Courses Other Math Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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 Specialists	<b>4-YEAR DEGREE &amp; HIGHER</b> Webmaster 3D Animator Virtual Reality Specialist

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: CULINARY ARTS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Culinary Arts 1 Culinary Arts 2	Accounting 1, 2 Baking and Pastry 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
<i>Professional Opportunities Upon Graduation</i>		
<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 Manager	<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)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> Advertising Family & Consumer Science Food & Nutrition 1 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
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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)

# CURRICULUM FRAMEWORK

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## MAJOR: MARKETING MANAGEMENT

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Marketing Marketing Management <b>Plus 2 of the following:</b> Accounting 1, 2 Advertising Entrepreneurship Integrated Business Apps. 1, 2 Sports Management Work Based Credit	Culinary Arts 1 Culinary Arts 2 Fundamentals of Web Page Design 1	Career Shadowing Career Mentoring Career Related Student Organizations Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Marketing Merchandising <b>Plus 2 of the following:</b> Advertising Entrepreneurship Integrated Business Apps. 1, 2 Fundamentals of Web Page Design Advanced Web Page Design & Development Work Based Credit	Accounting 1 Culinary Arts 1 Culinary Arts 2 Fashion, Fabric & Design 1, 2 Marketing Management Teacher Cadet Sports Management	Career Shadowing Career Mentoring Career Related Student Organizations Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: MARKETING MANAGEMENT

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Required:</b> Marketing Advertising <b>Plus 2 of the following:</b> Entrepreneurship Integrated Business Apps. 1, 2 Fundamentals of Web Page Design 1, 2 Work Based Credit	Culinary Arts 1 Culinary Arts 2 Marketing Management Teacher Cadet Sports Management	Career Shadowing Career Mentoring Career Related Student Organizations Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<b>HIGH SCHOOL DIPLOMA</b> Sale Associate Customer Service Representative Visual Creative Display Artist Contract Administrator	<b>2-YEAR ASSOCIATE DEGREE</b> Advertising/Promotion Manager Retail Buyer Marketing Specialist Sales Promotion Manager	<b>4-YEAR DEGREE &amp; HIGHER</b> 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)
<i>(Career &amp; Technology Completer Major)</i> Building Construction 1 Building Construction 2 Building Construction 3 Building Construction 4	Entrepreneurship Housing & Interiors 1, 2 Mechatronics Intgr. Tech 1	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<b>HIGH SCHOOL DIPLOMA</b> Mason Drywall Installer HVAC Installer Insulation Installer	<b>2-YEAR ASSOCIATE DEGREE</b> Construction Foreman Cost Estimator Contractor Electrician Construction Project Manager Construction Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Civil Engineer Architect

# CURRICULUM FRAMEWORK

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## MAJOR: MACHINE TOOL TECHNOLOGY

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
<i>(Career &amp; Technology Completer Major)</i> 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 Physics	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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)
<i>(Career &amp; Technology Completer Major)</i> 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
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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



# CURRICULUM FRAMEWORK

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## MAJOR: PRE-ENGINEERING

REQUIRED COURSES FOR MAJOR(4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> <b>Project Lead The Way (PLTW)</b> Intro. to Engineering Design (IED) Comp. Integrated Manufacturing (CIM) Digital Electronics	Computer Service Tech. Mechatronics Intgr. Tech. 1 Other Computer Courses Other Math Courses Physics	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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 Electrical Engineer Computer Engineer

## MAJOR: MATHEMATICS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
Algebra 2 Calculus/AP Cal. (Required) Pre-Calculus Prob. & Stats	Accounting 1, 2 Other Computer Courses Physics Project Lead the Way Courses	Apprenticeships Career Shadowing Career Mentoring Cooperative Education
<i>Professional Opportunities Upon Graduation</i>		
<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

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: SCIENCE

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
Anatomy & Physiology Biology 101 Biology 210 (Anatomy & Physiology) Biology Honors Chemistry AP Chemistry Honors Environmental Science AP Physics Honors Forensic Science	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
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<b>HIGH SCHOOL DIPLOMA</b> Environmental Management Landscaper Zoo Attendant Production Worker	<b>2-YEAR ASSOCIATE DEGREE</b> Material Holder Forestry Technician Veterinarian Assistant Lab Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Chemist Educator Physicist Meteorologist Ecologist

## MAJOR: AUTOMOTIVE TECHNOLOGY

EQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options related to major)
<i>(Career &amp; Technology Completer Major)</i> 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
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

# CURRICULUM FRAMEWORK

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## MAJOR: AGRICULTURAL SCIENCE & MECHANICS

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	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 Science Courses	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<b>HIGH SCHOOL DIPLOMA</b> Landscape Installer Garden Center Assistant	<b>2-YEAR ASSOCIATE DEGREE</b> Lawn & Garden Center Manager Landscape Installation Business Center Greenhouse Operation 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)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
<i>(Career &amp; Technology Completer Major)</i> 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 Medical Terminology	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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 Physical Therapy Technician	<b>4-YEAR DEGREE &amp; HIGHER</b> Nurse Therapist Health Care Administrator Nurse Practitioner

# CURRICULUM FRAMEWORK

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## MAJOR: MEDICAL SCIENCE & RESEARCH

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
Biology 101 Biology 102 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
<i>Professional Opportunities Upon Graduation</i> (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 Information 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
<i>Professional Opportunities Upon Graduation</i> (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

# CURRICULUM FRAMEWORK

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## MAJOR: COUNSELING & SOCIAL WORK

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
English Composition (Eng 101) Human Geography AP Parenting Education 1 Probability & Statistics Psychology Sociology Psychology 201	Creative Writing (1/2) Family & Consumer Science Integrated Business Apps. 1 Health Science 1 Other Business Courses Public Speaking (1/2) World Language Courses	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> (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)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
<i>(Career &amp; Technology Completer Major)</i> Parenting Education 1 Family & Consumer Science Foods & Nutrition 1 Housing & Interiors 1 Personal Finance	Fashion, Fabric & Design 1, 2 Food & Nutrition 2 Housing & Interiors 2 Health Science 1 Integrated Business Apps. 1 Psychology Sociology Teacher Cadet Culinary Arts 1, 2 Family & Consumer Science 2	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i>		
<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

# CURRICULUM FRAMEWORK

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## MAJOR: FASHION CONSTRUCTION & DESIGN

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
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	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

EQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
<i>(Career &amp; Technology Completer Major)</i> Cosmetology 1 Cosmetology 2 Cosmetology 3 Cosmetology 4	Chemistry Drawing 1 Family & Consumer Science Housing & Interiors 1, 2 Integrated Business Apps. 1 Marketing Courses Psychology Sociology Public Speaking Teacher Cadet World Language	Apprenticeships Career Shadowing Career Mentoring Career Related Student Organizations Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i>		
<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

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## MAJOR: SOCIAL STUDIES

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
Government/Economics CP, AP or Honors Introduction to Criminal Justice (CRJ101) Law Education Psychology Sociology Psychology 201 U.S. History Honors US History AP Human Geography World History AP Human Geography	Computer Courses Fine Arts Courses Public Speaking (1/2) Teacher Cadet World Language Courses	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i>		
<b>HIGH SCHOOL DIPLOMA</b> Clerical position for public service or non-profit organization	<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

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
NJROTC Naval Science 1 NJROTC Naval Science 2 NJROTC Naval Science 3 NJROTC Naval Science 4	NJROTC Leadership Lab Naval Science Staff & Command Business Courses Psychology Sociology World Language Courses Physical Education Courses Intro. to Criminal Justice Human Geography World History	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

# CURRICULUM FRAMEWORK

2021-2022

## MAJOR: LAW & LEGAL SERVICES

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES
American Government AP English English 101 Government/Economics Honors Introduction to Criminal Justice (CJR 101) Law Education Psychology/Sociology Speech (1/2) PSC 201	Creative Writing (1/2) NJROTC Other Computer Courses Personal Finance	Apprenticeships Career Shadowing Career Mentoring Cooperative Education Internship
<i>Professional Opportunities Upon Graduation</i> <i>(For additional college entrance requirements refer to school of your choice.)</i>		
<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

REQUIRED COURSES FOR MAJOR (4 CREDITS REQUIRED)	COMPLEMENTARY COURSEWORK	EXTENDED LEARNING OPPORTUNITIES (Options Related to Major)
Foods and Nutrition1 Parenting Education 1 Family and Consumer Sciences Introduction to Transportation Agricultural Science and Technology Automotive Technology	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	School-Based Internship Community-Based Internship Career Shadowing
<b>GRADUATION REQUIREMENTS FOR CREDNTIAL:</b>		
English Foundations..... 4 Units Math Foundations ..... 4 Units Science and/or Social Studies ..... 4 Units Life Skills ..... 3 Units Physical Education OR NJROTC.....1 Unit TOTAL .....24 UNITS	Community Based Internship..... 1 Unit Computer Science ..... 1 Unit (may be taken as a pre-requisite in 8th grade) Electives and/or Internships.....5 Units School Based Internship..... 1 Unit	



YORK COMPREHENSIVE HIGH SCHOOL  
FLOYD D JOHNSON TECHNOLOGY CENTER

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FRESHMEN COURSES



# COURSE OFFERINGS

## FRESHMAN

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:

<u>SUBJECT AREA</u>	<u>COURSES</u>
ENGLISH	English 1, English 1-CP, English 1-H, English 2-CP, English 2-H
MATH	9th Grade Transitions Algebra, Foundations of Algebra, Algebra 1-CP, Algebra 1-H, Algebra 2-H
SCIENCE	Integrated Science - CP, Biology - H
SOCIAL STUDIES	World History Honors, AP World History, Human Geography
PE/NJROTC/BAND 1	Physical Education 1 NJROTC Naval Science 1 Band 1 <i>(All include the required Health for graduation)</i>
COMPUTER SCIENCE	IT Fundamentals, Introduction to Engineering Design (IED); Integrated Business Application (IBA) 1, Digital Electronics (DE), Principles of Engineering (POE), Fundamentals of Computing, Fundamentals of Web Page Design and Development

### ELECTIVES - CHOOSE UP TO TWO UNITS:

<u>SUBJECT AREA</u>	<u>COURSES</u>
ENGLISH	Creative Writing - CP, Public Speaking - CP
VISUAL AND PERFORMING ARTS	Art 1, Theatre 1, Marching/Concert Band (2 units), Concert Choir (2 units), Women's Ensemble
WORLD LANGUAGES	Spanish 1, French 1
CAREER AND TECHNOLOGY ELECTIVES	Agriculture & Science Tech. 1, Family & Consumer Science 1, Marketing, IT Fundamentals

# COURSE OFFERINGS

## FRESHMAN

*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.*

### ENGLISH LANGUAGE ARTS

#### ENGLISH 1

302400CW

1 Unit

Grade 9

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. Students must be recommended for enrollment in this course. Several data points are used to determine eligibility to include: MAP/SCREADY scores, student grades etc.

#### ENGLISH 1 -CP

302401CW

1 Unit

Grade 9

This course is designed for students working on 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.

#### ENGLISH 1 - H

302400 HW

1 Unit

Grade 9

*Prerequisite: Completion of Eighth Grade English with a 90 or better average and Teacher recommendation.*

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.

#### ENGLISH 2 - CP

302501CW

1 Unit

Grades 9-10

*Prerequisite: English 1 or English 1-CP*

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

#### ENGLISH 2 - H

302500HW

1 Unit

Grades 9 - 10

*Prerequisite: English 1-H or English 1-CP with Teacher Recommendation*

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 or develop the critical thinking skills necessary for success in AP English and college. **South Carolina End-of-Course Examination required.**

### ENGLISH LANGUAGE ARTS ELECTIVES

#### CREATIVE WRITING - CP

303202CH

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.

#### PUBLIC SPEAKING - CP

304001CH

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.

# COURSE OFFERINGS

## FRESHMAN

### 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.*

#### TRANSITION ALGEBRA

**310700CW**

##### 1 Unit

##### Grade 9

This course is a continuation of concepts taught in eighth grade math with an emphasis on preparation for algebra content both in high school and college. Students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

#### FOUNDATIONS IN ALGEBRA

**411600CW**

##### 1 UNIT

##### Grade 9

In this year one algebra course students build mathematical competency as they explore a variety of topics. The 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.

#### ALGEBRA 1 – CP

**411401CW**

##### 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 Examination required.**

#### ALGEBRA 1 – H

**411400HW**

##### 1 Unit

##### Grade 9

*Prerequisite: Completion of Eighth Grade Math with a 90 or better average and Teacher recommendation.*

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. It is recommended that the student have a graphing calculator. **South Carolina End-of-Course Examination required.**

#### ALGEBRA 2 – CP

**411501CW**

##### 1 Unit

##### Grades 9-10

*Prerequisite: Algebra 1 or Intermediate ALG*

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.

#### ALGEBRA 2 – H

**411500HW**

##### 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.

#### INTERMEDIATE ALGEBRA

**411700CW**

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

### 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. Integrated Science is not recognized as a lab science by colleges and universities.*

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

# COURSE OFFERINGS

## FRESHMAN

### SCIENCE CONTINUED

#### INTEGRATED SCIENCE-CP

321000CW

##### 1 Unit

##### Grade 9

Students experience in the laboratory, classroom, or the field opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data. Students also use laboratory investigations that including scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures to develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data .

#### BIOLOGY 1 - H

322100HW

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

#### HUMAN GEOGRAPHY CP

331001CW

##### 1 Unit

##### Grades 9-12

Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems, human understanding of the world, and human social organization. Divided into two semesters, this high school level course will challenge students to develop geographic skills, including learning to interpret maps, analyze data, and compare theories. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems from the agricultural revolution to the technological revolution this course encourages students to analyze economic trends as well as compare global markets and urban environments.

#### WORLD HISTORY: MAKING OF THE MODERN WORLD - H

336000HW

##### 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.

#### HUMAN GEOGRAPHY - AP

337900AW

##### 1 Unit

##### Grades 9-10

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.**

#### World HISTORY-AP

337700AW

##### 1 Unit

##### Grade 9

The AP World History course is structured around the investigations of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to present. **AP examination is required.**

# COURSE OFFERINGS

## FRESHMAN

### WORLD LANGUAGES

*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.

#### SPANISH 1 - CP 365101CW

##### 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.

#### FRENCH 1-CP 361101CW

##### 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.

### 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

#### ART 1 - INTRODUCTION TO VISUAL DESIGN 350101CW

##### 1 Unit

##### Grades 9-12

This course is an introductory art course designed for all students who 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.**

#### PERFORMING ARTS

#### THEATRE 1 452101CW

##### 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.

# COURSE OFFERINGS

## FRESHMAN

### VISUAL & PERFORMING ARTS CONTINUED

#### INSTRUMENTAL MUSIC-BAND

*These are performance based courses. Members are required to attend band camp, which is held prior to the beginning of school, and also attend and perform at after-school rehearsals. Students enrolled are required to perform at football games, parades, marching band competitions, concerts, festivals, and contests on the local, state, regional, and national level. A major trip is usually scheduled every other year. Students are required to take both semesters of band. Students are recommended for the appropriate band course by their current band director.*

#### FIRST SEMESTER

##### **MARCHING BAND/PE**

**450861CW**

##### **1 Unit**

##### **Grades 9th**

*Prerequisite: 8th grade band, current enrollment in high school band, band director's recommendation.*

Emphasizes the development of visual and musical skills used in the modern marching band. Performances include football games, holiday parades, winter concert, and marching competitions. Moderate to high physical demand is required. A camp is held 2-3 weeks before school begins to prepare and train. After school preparation required August-October. The honors course moves at an elevated pace, encompassing upper level skills and demands. Students must complete the state Health requirement to receive PE credit along with their Marching Band course. If a student does NOT complete the Health requirement, they will be required to take PE or ROTC before graduation. The Health requirement must be complete by the end of 1st semester, during the student's Marching Band course. Students may complete the course in a school computer lab or at home online. Information concerning the online Health course will be given to students during band camp/first few weeks of school.

#### SECOND SEMESTER

##### **CONCERT BAND - SYMPHONIC BAND**

**353200CW**

##### **1 Unit**

##### **Grades 9th-12th (primarily underclassmen)**

*Prerequisite: 8th grade band, current enrollment in high school band, band director's recommendation.*

Focuses on concert band practices. Students study grades II-IV literature. Emphasis is placed on the advancement of technique, application and components of musicianship. Performances

include Band Revue, and other possible community performances. Opportunities for individual student activities are available including All-Region Band, All-State Band, USC Clinic, Solo & Ensemble as well as scholarships/recognition nominations. Very little after school rehearsal is required. Attendance is required at all rehearsals and performances.

##### **CONCERT BAND-WIND ENSEMBLE HONORS**

**353200HW**

##### **1 Unit**

##### **Grades 9th-12th (primarily upperclassmen)**

*Prerequisite: 8th grade band, current enrollment in high school band, band director's recommendation.*

Focuses on concert band practices. Students study grades IV-VI literature. High levels of individual performance and practice are expected. Performances may include Pre-Assessment Concert, SC State Performance Assessment, and Band Revue. Opportunities for individual student activities are available including All-Region Band, All-State Band, USC Clinic, Solo & Ensemble as well as scholarships/recognition nominations. Very little after school rehearsal is required. Attendance is required at all rehearsals and performances.

##### **JAZZ BAND HONORS**

**453100HW**

##### **1 Unit – "5th Block" Course**

##### **Grades 9th-12th (primarily upperclassmen)**

*Prerequisite: 8th grade band, current enrollment in high school band, application & band director's recommendation.*

This course meets after school ONLY from November-May. Students will be given a calendar of class meetings which occur from one to three times a week. Students learn fundamental-advanced concepts of jazz ensemble rehearsing and performing including improvisation. Literature of dance band, swing, symphonic jazz, pop-rock, and contemporary styles will be explored. Many performance opportunities including: community events, SC State Jazz Performance Assessment, local & state jazz festivals, YSD1 Jazz Tour, winter concert, and Band Revue. Enrollment in the Honors Marching band and Honors Wind Ensemble track is strongly suggested. Attendance is required at all rehearsals and performances.

#### **DANCE EDUCATION**

##### **COUGARETTES**

*These are performance based courses. Members are required to attend band camp, which is held prior to the beginning of school, and also attend and perform at after-school rehearsals. Student enrolled are required to perform at football games,*

# COURSE OFFERINGS

## FRESHMAN

### VISUAL & PERFORMING ARTS CONTINUED

#### FIRST SEMESTER-COUGARETTES/PE

450100CD

1 Unit

Grades 9th

*Prerequisite: Formal audition at tryouts, and/or current enrollment in a Cougarettes team, director's recommendation.* This course is designed to develop an artistic foundation in dance. Scope includes movement/dance vocabulary; applying choreographic tools and composition principles in evaluating dance works; promoting functional and artistic use of then movement/dance elements-body, space, time, dynamics-effort and relationships, technical training on traditional & nontraditional color guard equipment; and developing awareness of the body as an instrument of expression. Performances include football games, holiday parades, marching competitions, YSD1 Tour, and winter guard competitions. High physical demand is required. A camp is held 2-3 weeks before school begins to prepare and train. After school preparation required August-March (a calendar will be given). *The Cougarettes Summer Dance program is strongly suggested.* Students must complete the state Health requirement to receive PE credit along with their Marching Band course. If a student does NOT complete the Health requirement, they will be required to take PE or ROTC before graduation. The Health requirement must be complete by the end of 1st semester, during the student's Marching Band course. Students may complete the course in a school computer lab or at home online. Information concerning the online Health course will be given to students during band camp/first few weeks of school.

#### SECOND SEMESTER-COUGARETTES

1 Unit

Grades 9th-12th

*Prerequisite: Formal audition at tryouts, and/or current enrollment in a Cougarettes team, director's recommendation.* This course is designed to develop an artistic foundation in dance. Scope includes movement/dance vocabulary; applying choreographic tools and composition principles in evaluating dance works; promoting functional and artistic use of then movement/dance elements-body, space, time, dynamics-effort and relationships, technical training on traditional & nontraditional color guard equipment; and developing awareness of the body as an instrument of expression. Performances include football games, holiday parades, marching competitions, YSD1 Tour, and winter guard competitions. High physical demand is required. A camp is held 2-3 weeks before school begins to prepare and train. After school preparation required August-March (a calendar will be given). *The Cougarettes Summer Dance program is strongly suggested.*

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

#### FIRST SEMESTER

WOMENS CHORUS

354000CW

1 UNIT

#### SECOND SEMESTER

ADV WOMEN'S CHORUS(SPRING)

353900CW

1 UNIT

Grades 9-12

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. Students must enroll in both courses.

#### FIRST SEMESTER

CONCERT CHOIR

354000CW

1 UNIT

#### SECOND SEMESTER

ADV CONCERT CHOIR

353900CW

1 UNIT

Grades 9-12

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. Students must enroll in both courses.

COUGARETTES 2

450200CD

COUGARETTES 3

450300CD

COUGARETTES 4

450400CD



# COURSE OFFERINGS

## FRESHMAN

### 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. NJROTC 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.*

#### **NJROTC NAVAL SCIENCE 1**

**375101CW**

**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.*

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.

### PHYSICAL EDUCATION

#### **PHYSICAL EDUCATION 1**

**344100CW**

**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.*

#### **PHYSICAL EDUCATION 2**

**344200CW**

#### **PHYSICAL EDUCATION 3**

**344300CW**

#### **PHYSICAL EDUCATION 1**

**344400CW**

*\*\*Starting in 2021-2022 Students will only be able to earn 4 credits of PE/Weightlifting*

### CAREER & TECHNOLOGY EDUCATION FRESHMAN 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. See the FDJTC course descriptions starting on page 74*

The Technology Center offers opportunities for students on 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.

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UPPERCLASSMEN COURSES



# COURSE OFFERINGS

## UPPERCLASSMEN

### 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.

#### ENGLISH 2

302500CW

1 Unit

Grade 10

*Prerequisite: English 1 or English 1 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.

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

#### ENGLISH 2 - CP

302501CW

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

#### ENGLISH 2 - H

302500HW

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 college. **South Carolina End-of-Course Examination is**

required.

#### ENGLISH 3

302600CW

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 is determined by previous course grade and recommendation.

#### ENGLISH 3 - CP

302601CW

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.

#### ENGLISH 3 - H

302600HW

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.

#### ENGLISH 4

302700CW

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 is determined by previous course grade and recommendation.

# COURSE OFFERINGS

## UPPERCLASSMEN

### ENGLISH LANGUAGE ARTS CONTINUED

#### ENGLISH 4 - CP

302701CW

##### 1 Unit

##### Grade 12

*Prerequisite: English 3, English 3-CP, English 3-H*

The content focus is British literature and longer, more complex written responses. This course is designed to strengthen the skills necessary for academic success in high school and college. Placement is determined by previous course grade and recommendation.

#### ENGLISH 4 - H

302700HW

##### 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.

#### ENGLISH LITERATURE & COMPOSITION – AP

307001AW

##### 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. College credit may be earned. It is paired with Advanced Studies in English. **AP examination is required.**

### DUAL CREDIT OFFERINGS

#### ENGLISH 101 (Composition)

301500EW

##### 1 Unit – Dual Credit

##### Grade 12

*Prerequisites: English 4 CP or H*

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.

#### ENGLISH 102

301600EW

##### 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.

#### ENG 155: Communications I

##### 1 Unit-Dual Credit

##### Grade 12

This course introduces the principles of expository writing and public speaking through practice and development to of communication skills.

### ELECTIVES

#### ENGLISH ADVANCED STUDIES - H

303041HW

##### 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.

#### CREATIVE WRITING - CP

303202CH

##### 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.

#### PUBLIC SPEAKING - CP

304001CH

##### 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.

# COURSE OFFERINGS

## UPPERCLASSMEN

### 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.*

#### **ALGEBRA 2**

**411500CW**

##### **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.

#### **ALGEBRA 2 – CP**

**411501CW**

##### **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.

#### **ALGEBRA 2 – H**

**411500HW**

##### **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.

#### **ALGEBRA 3 - CP**

**411300CW**

##### **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.

#### **CALCULUS – H**

**413500HW**

##### **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.

#### **CALCULUS (AB) - AP**

**417001AW**

##### **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.**

# COURSE OFFERINGS

## UPPERCLASSMEN

### MATHEMATICS

#### CALCULUS (BC) - AP

417200AW

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.**

#### GEOMETRY

412200CW

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.

#### GEOMETRY – CP

412201CW

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.

#### GEOMETRY – H

412200HW

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.

#### INTERMEDIATE ALGEBRA

411700CW

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

#### PRE-CALCULUS - CP

413101CW

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.

#### PRE-CALCULUS - H

413131HW

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.

#### PROBABILITY & STATISTICS

414101CW

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.

# COURSE OFFERINGS

## UPPERCLASSMEN

### MATHEMATICS

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

**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.

#### ELECTIVE CREDIT OFFERINGS

#### CALCULUS ADVANCED STUDIES (AB) - H

**414101HW**

**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. **AP Examination is required.**

#### DUAL CREDIT OFFERINGS

#### COLLEGE ALGEBRA (MAT 110)

**319902EW**

**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.

#### CONTEMPORARY MATHEMATICS (MAT 155)

**1 Unit-Dual Credit**

**Grade 12**

This course includes techniques and applications of the following topics; elementary number theory; algebra; geometry; measurement; graph sketching and interpretations; and descriptive statistics.

#### PROBABILITIES AND STATISTICS (MAT 120)

**414300EW**

**1 Unit**

**Grade 12**

*Prerequisites: GPA of 3.0 or 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.

### 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. Students must successfully complete end-of-course tested science unit (Biology) to meet requirements for graduation.*

#### ANATOMY & PHYSIOLOGY - CP

**326301CW**

**1 Unit**

**Grades 11-12**

*Prerequisites: Biology 1- 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 pig and various organs is mandatory. Students who are not willing to dissect will not be permitted to take this course.

#### ANATOMY & PHYSIOLOGY-H

**326300HW**

**1 Unit**

**Grades 11-12**

*Prerequisites: Biology 1 Honors 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.

# COURSE OFFERINGS

## UPPERCLASSMEN

### SCIENCE CONTINUED

#### BIOLOGY 1 - CP

322101CW

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

#### BIOLOGY 1 - H

322100HW

1 Unit

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

#### CHEMISTRY - CP

323101CW

1 Unit

Grades 11

*Prerequisites: Algebra 2*

This course deals with the nature and structure of matter, the periodic system, atomic structure, chemical reactions and equations, stoichiometry, solutions and solubility. Emphasis is placed on problem solving. Laboratory activities are coordinated to enhance the course content.

#### CHEMISTRY - H

323102HW

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 and structure of matter, the periodic system, atomic structure, chemical reactions and equations, stoichiometry solutions and solubility. 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 students.

#### CHEMISTRY 2- H

323202HW

1 Unit

Grades 11 –12

*Prerequisites: Algebra 2 Honors and Chemistry 1-H with a recommended grade of 85 or higher.*

This course is a more rigorous study of the nature of matter, gas laws, solutions, Thermochemistry and acid-base problem solving. Emphasis is placed on problem solving.

#### EARTH SCIENCE - CP

326500CW

1 Unit

Grades 10-12

*Prerequisites: Integrated 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.

#### ENVIRONMENTAL SCIENCE - CP

326102CW

1 Unit

Grades 11-12

*Prerequisite: Biology 1 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.

#### FORENSIC SCIENCE-CP

324500CW

1 Unit

Grades: 11-12

*Prerequisites: Recommended grade of 80 or higher in Biology 1 or a 75 or higher in Chemistry 1.*

This course is for students who are interested in the forensic science aspects of Biology and Chemistry. This course will briefly review chemistry topics that pertain to arson investigations, toxicology, evidence collection, fingerprint analysis, and material identification. The focus of this course will be on the biological aspects of forensic science that pertain to postmortem examinations, serology, DNA evidence, entomology, microscopy (hairs and fibers), and estimating time of death. This course uses laboratory-based activities and a hands-on approach to provide students the opportunity investigate the application of science to law.



# COURSE OFFERINGS

## UPPERCLASSMEN

### SCIENCE CONTINUED

#### PHYSICS - H

324101HW

1 Unit

Grades 11-12

*Prerequisites: Recommended grade of B or higher in Physical Science Honors or Integrated Science, 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.

### DUAL CREDIT OFFERINGS

#### ANATOMY AND PHYSIOLOGY I (BIO 210)

322800EW

1 Unit-Dual Credit

Grades 11-12

*Prerequisites: Biology 1 Honors and Chemistry with a grade B or better recommended.*

This is the first in a sequence of courses, including an intensive coverage of the body as an integrated whole. All body systems are studied.

#### ANATOMY AND PHYSIOLOGY II (BIO 211)

1 Unit-Dual Credit

*Prerequisites: Biology 1 Honors and Chemistry with a grade B or better recommended.*

This is a continuation of a sequence of courses, including intensive coverage of the body as an integrated whole. All body systems are studied.

#### BIOLOGICAL SCIENCE 1 (BIO 101)

322102EW

1 Unit - Dual Credit

Grade 12

*Prerequisites: Biology 1 Honors and Chemistry 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.

#### BIOLOGICAL SCIENCE 2 (BIO 102)

32202EW

1 Unit – Dual Credit

Grade 12

*Prerequisites: Biology 1 Honors and Chemistry 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.

### AP COURSES

These courses may be offered online through the ARC Program. **AP Examination is Required.**

⇒ AP CHEMISTRY

⇒ AP BIOLOGY

⇒ AP ENVIRONMENTAL SCIENCE

### 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.*

#### ADVANCED PLACEMENT WORLD HISTORY: MODERN 337700AW

1 Unit

Grades 10<sup>th</sup>-12

An introductory college-level course in modern world history. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. **AP examination is Required.**

# COURSE OFFERINGS

## UPPERCLASSMEN

### SOCIAL STUDIES

#### ECONOMICS and PERSONAL FINANCE- CP

335001CH

1/2 Unit

Grade 12

Students will study economics and personal finance beginning with how humans address the fundamental problem of scarcity by making choices based on the existence of limited resources, and that all choices are met with consequences. Students will investigate how personal financial decisions related to careers, spending, and short- and long-term goal setting impact one's standard of living and long-term financial well-being. Traditionally, the field of economics is divided into two categories: microeconomics and macroeconomics. In the domain of microeconomics, students will survey the impact of demand, supply, various market structures, and government policies have on market prices for goods, services, and wages for workers. Inquiry into macroeconomics involves observing trends in the economy at large and the policies that are undertaken to promote the economic well-being of a society. The study of economics and personal finance provides a basis for students to develop the skills necessary to live and thrive financially in the 21st century and participate in society as active and informed decision-makers.

#### ECONOMICS and PERSONAL FINANCE- H

335000HH

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.

#### HUMAN GEOGRAPHY CP

331001CW

1 Unit

Grades 9-12

Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems, human understanding of the world, and human social organization. Divided into two semesters, this high school level course will challenge students to develop geographic skills, including learning to interpret maps, analyze data, and compare theories. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems from the agricultural revolution to the technological revolution this course encourages students to analyze economic trends as well as compare global markets and urban environments.

#### UNITED STATES HISTORY - AP

37201AW

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.**

#### UNITED STATES HISTORY AND THE CONSTITUTION-CP

1 Unit

332001CW

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.**

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

Unit

332002HW

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.**

# COURSE OFFERINGS

## UPPERCLASSMEN

### SOCIAL STUDIES CONTINUED

#### U.S. GOVERNMENT - CP

333001CH

1/2 Unit

Grade 12

Students will learn how various powers are granted and distributed among the different branches and levels of government, and how checks and balances prevent one branch from overpowering the others. Additionally, students will investigate how American political values are formed and how government functions through individual participation and policy making. In order to continue to thrive, a strong democracy relies on active participation by informed individuals dedicated to upholding the rule of law and individual rights. Overall, the study of United States Government provides a basis for students to develop the skills necessary to live and thrive in America's constitutional democracy and participate in society as active and informed citizens.

#### U. S. GOVERNMENT - H

333000HH

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.

#### WORLD HISTORY: MAKING OF THE MODERN WORLD - H

336000HW

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.

### ELECTIVE CREDIT OFFERINGS

#### AMERICAN GOVERNMENT (PSC 201)

331001EW

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.**

#### AP SS PREP LAB - H

336900HW

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.

#### CRIMINAL LAW (CRJ 115)

652300EW

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.

#### GENERAL PSYCHOLOGY - PSY 201

334002EW

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.

#### HUMAN GEOGRAPHY - AP

337900AW

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.**

# COURSE OFFERINGS

## UPPERCLASSMEN

### SOCIAL STUDIES CONTINUED

#### INTRODUCTION TO CRIMINAL JUSTICE (CRJ 101) 652000EW

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.

#### LAW EDUCATION 333600CW

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.

#### PSYCHOLOGY - CP 334001CH

1 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.

#### SOCIOLOGY – CP 334501CH

1 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.

### DUAL CREDIT OFFERINGS

#### WESTERN CIVILIZATION TO 1689 (HIS 101) 336600EW

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.

### AVAILABLE AP COURSES

These courses are available on line through the ARC lab:

⇒ AP American Government

⇒ AP Economics

### WORLD LANGUAGES

*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 5 levels of language study.

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

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

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

#### AP SPANISH

367500AW

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. In accordance with SC World Language proficiency guidelines, students are graded on their ability to communicate in Spanish at the course level. Students must also take Spanish 4 Honors. College credit may be earned. **AP examination is required.**

# COURSE OFFERINGS

## UPPERCLASSMEN

### WORLD LANGUAGES CONTINUED

#### SPANISH 1 - CP

365101CW

##### 1 Unit

##### Grades 9-12

Spanish 1 begins the study of the Spanish language for the college bound student. While engaging in compelling, understandable stories, novels, culture, games, activities and classroom procedures students are immersed in Spanish right from the beginning. Grammar is presented as needed to communicate. Skills are developed in listening, reading, writing and speaking as proficiency increases. In accordance with SC World Language proficiency guidelines, students are graded on their ability to communicate in Spanish at the course level.

#### SPANISH 2 - CP

365201CW

##### 1 Unit

##### Grades 10-12

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

Spanish 2 continues to develop the skills and proficiency begun in Spanish 1. While engaging in compelling, understandable stories, novels, culture, games, activities and classroom procedures students continue to be immersed in Spanish. Grammar is presented as needed to communicate. Skills are developed in listening, reading, writing and speaking as proficiency increases. In accordance with SC World Language proficiency guidelines, students are graded on their ability to communicate in Spanish at the course level.

#### SPANISH 3 - H

365301HW

##### 1 Unit

##### Grades 10-12

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

Spanish 3 Honors is a rigorous course that it will sharpen a student's proficiency the language (listening, reading, writing and speaking) and their ability to communicate on a wide range of topics. Students continue to be immersed in Spanish while engaging in compelling, understandable stories, novels, culture, games, activities and classroom procedures. Grammar will be emphasized as more complicated ideas are communicated. In accordance with SC World Language proficiency guidelines, students are graded on their ability to communicate in Spanish at the course level.

#### SPANISH 4-H

365401HW

##### 1 Unit

##### Grades 11-12

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

Spanish 4 Honors is more rigorous as it will continue to sharpen a student's proficiency the language (listening, reading, writing and speaking) and their ability to communicate on a wide range of topics. Grammar will be emphasized as more complicated ideas are communicated and as students develop a more academic understanding of how the language works. In accordance with SC World Language proficiency guidelines, students are graded on their ability to communicate in Spanish at the course level.

#### FRENCH 1-CP

361101CW

##### 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.

#### FRENCH 2-CP

361201CW

##### 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.

#### FRENCH 3-H

361301HW

##### 1 UNIT

##### Grades 11-12

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

This course is recommended for students who successfully complete French 1 and 2 and are interested in increasing knowledge of French Language and Culture. This course is highly recommended for students who plan to major/minor in the language. This course continues the Interpretive, Interpersonal and Presentational tasks and assessments that began at the lower levels, with greater in-depth emphasis on the cultural aspects of the target language and country.

# COURSE OFFERINGS

## UPPERCLASSMEN

### WORLD LANGUAGES CONTINUED

#### FRENCH 4-H

**1 UNIT**

**Grades 12**

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

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

**361401HW**

### 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

#### 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.

**350401HW**

#### 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.

**350101CW**

#### CERAMICS 1

**1 Unit**

**Grades 10-12**

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

This semester course is an art course designed for all students who have an interest in learning about the theory and practice of ceramics and other sculpture media. Students will learn the basic concepts and skills of ceramics and sculpture through a broad range of structured projects and art activities that stress problem solving, inventive thinking, and design relationships. In addition to studio art projects, students will be required to participate in gallery discussions, readings in art history and art criticism, art displays, and keeping an art book.

**456100CW**

#### CERAMICS 2

**1 Unit**

**Grades 10-12**

*Prerequisite: Ceramics and Sculpture (grade of "C" or better recommended)*

This semester course is an art course designed for students who are interested in advancing their ceramics skills to a professional level. Students in this class complete many open ended ceramics projects, as well as learning about how to run the kiln, improve their throwing skills, and create a body of cohesive work. In addition to studio art projects, students will be required to participate in gallery discussions, readings in art history and art criticism, art displays, and keeping an art book.

**456200CW**

#### DRAWING 1

**1 Unit**

**Grades 10-12**

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 returned.

**352100CW**

# COURSE OFFERINGS

## UPPERCLASSMEN

### VISUAL & PERFORMING ARTS CONTINUED

#### DRAWING 2

352100CW

1 Unit

Grades 10-12

*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.

#### STUDIO ART – AP

357200AW

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.**

#### PAINTING 1

352500CW

1 Unit

Grades 10-12

*Prerequisite: Art 1 (grade "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.

#### PAINTING 2

352600CW

1 Unit

Grades 10-12

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

This course is designed for students who have 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.

### PERFORMING ARTS

#### THEATRE 1-SURVEY

452101CW

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.

#### THEATRE 2--ACTING

452200CW

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.

#### THEATRE 3--DIRECTING

452300CW

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 also continue studies in acting. Students will develop skills as a Director of a theatre/film as they thoroughly student the requirements of Directing.

# COURSE OFFERINGS

## UPPERCLASSMEN

### VISUAL & PERFORMING ARTS CONTINUED

#### **THEATRE 4-TECHNICAL THEATRE**

**452400CW**

**1 Unit**

**GRADE 10-12**

*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 performance based courses. Members are required to attend band camp, which is held prior to the beginning of school, and also attend and perform at after-school rehearsals. Students enrolled are required to perform at football games, parades, marching band competitions, concerts, festivals, and contests on the local, state, regional, and national level. A major trip is usually scheduled every other year. Students are required to take both semesters of band. Students are recommended for the appropriate band course by their current band director.*

#### **FIRST SEMESTER**

##### **MARCHING BAND & MARCHING BAND HONORS**

**1 Unit**

**353100CW/353100HW**

**Grades 9th-12th**

*Prerequisite: 8th grade band, current enrollment in high school band, band director's recommendation.*

Emphasizes the development of visual and musical skills used in the modern marching band. Performances include football games, holiday parades, winter concert, and marching competitions. Moderate to high physical demand is required. A camp is held 2-3 weeks before school begins to prepare and train. After school preparation required August-October. The honors course moves at an elevated pace, encompassing upper level skills and demands.

#### **SECOND SEMESTER**

##### **CONCERT BAND - SYMPHONIC BAND**

**1 Unit**

**353200CW/353200HW**

**Grades 9th-12th (primarily underclassmen)**

*Prerequisite: 8th grade band, current enrollment in high school band, band director's recommendation.*

Focuses on concert band practices. Students study grades II-IV literature. Emphasis is placed on the advancement of technique, application and components of musicianship. Performances include Band Revue, and other possible community performances. Opportunities for individual student activities are available including All-Region Band, All-State Band, USC Clinic, Solo & Ensemble as well as scholarships/recognition nominations. Very little after school rehearsal is required. Attendance is required at all rehearsals and performances.

##### **CONCERT BAND - WIND ENSEMBLE HONORS**

**1 Unit**

**353300CW/353300HW**

**Grades 9th-12th (primarily upperclassmen)**

*Prerequisite: 8th grade band, current enrollment in high school band, band director's recommendation.*

Focuses on concert band practices. Students study grades IV-VI literature. High levels of individual performance and practice are expected. Performances may include Pre-Assessment Concert, SC State Performance Assessment, and Band Revue. Opportunities for individual student activities are available including All-Region Band, All-State Band, USC Clinic, Solo & Ensemble as well as scholarships/recognition nominations. Very little after school rehearsal is required. Attendance is required at all rehearsals and performances.

##### **JAZZ BAND HONORS**

**353400CW/353400HW**

**1 Unit – "5th Block" Course**

**Grades 9th-12th (primarily upperclassmen)**

*Prerequisite: 8th grade band, current enrollment in high school band, application & band director's recommendation.*

This course meets after school ONLY from November-May. Students will be given a calendar of class meetings which occur from one to three times a week. Students learn fundamental-advanced concepts of jazz ensemble rehearsing and performing including improvisation. Literature of dance band, swing, symphonic jazz, pop-rock, and contemporary styles will be explored. Many performance opportunities including: community events, SC State Jazz Performance Assessment, local & state jazz festivals, YSD1 Jazz Tour, winter concert, and Band Revue. Enrollment in the Honors Marching band and Honors Wind Ensemble track is strongly suggested. Attendance is required at all rehearsals and performances.



# COURSE OFFERINGS

## UPPERCLASSMEN

### VISUAL & PERFORMING ARTS CONTINUED

#### DANCE EDUCATION-COUGARETTES

*These are performance based courses. Members are required to attend band camp, which is held prior to the beginning of school, and also attend and perform at after-school rehearsals. Student enrolled are required to perform at football games, parades, marching band competitions and winter guard competitions on the local, state, and regional level. A major trip is usually scheduled every other year.*

#### FIRST SEMESTER-COUGARETTES

**1 Unit**

**Grades 9<sup>th</sup>-12<sup>th</sup>**

*Prerequisite: Formal audition at tryouts, and/or current enrollment in a Cougarettes team, director's recommendation.* This course is designed to develop an artistic foundation in dance. Scope includes movement/dance vocabulary; applying choreographic tools and composition principles in evaluating dance works; promoting functional and artistic use of then movement/dance elements-body, space, time, dynamics-effort and relationships, technical training on traditional & nontraditional color guard equipment; and developing awareness of the body as an instrument of expression. Performances include football games, holiday parades, marching competitions, YSD1 Tour, and winter guard competitions. High physical demand is required. A camp is held 2-3 weeks before school beings to prepare and train. After school preparation required August-March (a calendar will be given).

#### SECOND SEMESTER-COUGARETTES

**1 Unit**

**Grades 9th-12th**

*Prerequisite: Formal audition at tryouts, and/or current enrollment in a Cougarettes team, director's recommendation.* This course is designed to develop an artistic foundation in dance. Scope includes movement/dance vocabulary; applying choreographic tools and composition principles in evaluating dance works; promoting functional and artistic use of then movement/dance elements-body, space, time, dynamics-effort and relationships, technical training on traditional & nontraditional color guard equipment; and developing awareness of the body as an instrument of expression. Performances include football games, holiday parades, marching competitions, YSD1 Tour, and winter guard competitions. High physical demand is required. A camp is held 2-3 weeks before school beings to prepare and train. After school preparation required August-March (a calendar will be given). **The Cougarettes Summer Dance program is strongly suggested.**

#### 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.*

#### CHAMBER SINGERS

**354204CW**

**2 Units**

**Grades 10-12**

Students will develop vocal techniques and sight-singing skills in addition to a strong base of music theory. This intermediate choir will prepare students for Concert Choir emphasizing a variety of musical styles and technical skills consistent with an intermediate level of choral literature. There is an emphasis on a variety of musical styles and technical skills consistent with intermediate high school choral repertoire. By enrolling and being accepted through audition, the student agrees to attend rehearsals, activities, and performances outside of the regular school day (including weekends) as required by the choral director.

#### FIRST SEMESTER

⇒ **CONCERT CHOIR**

**354300CW**

#### SECOND SEMESTER

⇒ **ADV CONCERT CHOIR**

**354400CW**

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 must enroll in both courses.*

### MILITARY SCIENCES 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.*

# COURSE OFFERINGS

## UPPERCLASSMEN

### MILITARY SCIENCES NAVAL JUNIOR RESERVE OFFICERS' TRAINING CORPS

#### NJROTC NAVAL SCIENCE 2

375201CW

1 Unit

Grade 10

*Prerequisites: Naval Science 1 (grade of "C" or better recommended) and approval a Naval Science Instructor.*

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.

#### NJROTC NAVAL SCIENCE 3

375301CW

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.

#### NJROTC NAVAL SCIENCE 4

375401CW

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.

#### NJROTC 5-NAVAL SCIENCE STAFF & COMMAND

375500CW

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.

#### NJROTC 6-LEADERSHIP DEVELOPMENT

375600CW

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 co-educational. Students that play sports are encouraged to enroll in a weight lifting class each year. No seniors are permitted to take weightlifting second semester without the approval of the Athletic Director. Students are required to dress in appropriate attire as part of their grade. Guidelines for appropriate attire will be provided. Students are not permitted to take two PE classes in one semester.*

PE 2

344200CW

1 Unit

Grade 10

This course is a continuation of physical and lifetime physical fitness activities. Written and skills tests are included in various activities. Students can attend weightlifting class with teacher approval.

# COURSE OFFERINGS

## UPPERCLASSMEN

### PHYSICAL EDUCATION CONTINUED

**PE 3** **344300CW**

**1 Unit**

**Grade 11**

This course is a continuation of physical and lifetime physical fitness activities. Written and skills tests are included in various activities. Students can attend weightlifting class with teacher approval.

**PE 4** **344400CW**

**1 Unit**

**Grade 12**

This course is a continuation of physical and lifetime physical fitness activities. Written and skills tests are included in various activities. Students can attend weightlifting class with teacher approval.

### INTERDISCIPLINARY STUDIES

#### 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.

**BROADCAST JOURNALISM 1** **305004CW**

**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.

**BROADCAST JOURNALISM 2**

**305102CW**

**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.

**BROADCAST JOURNALISM 3**

**309940CW**

**1 Unit- Elective Credit**

**Grades 11-12**

*Prerequisites: Broadcast Journalism 1 and 2 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 2. This course is strongly recommended for students interested in pursuing a career in broadcast journalism. Students will work on 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 1 and 2 students. Students must be proven leaders.

#### 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.

**JOURNALISM 1 (Yearbook 3)**

**305003CW**

**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.

# COURSE OFFERINGS

## UPPERCLASSMEN

### INTERDISCIPLINARY STUDIES

### SPECIAL EDUCATION SERVICES

#### TEACHER CADET 175

373500EW

##### 1 Unit Elective Dual Credit

##### Grade 12

*Prerequisite: Students who meet the criteria specified by the state of South Carolina (3.0 unweighted GPA, application, essay, and 3 teacher recommendations).*

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.

York School District One is committed to providing a full continuum of services to students with special needs. In addition to the regular high school course offerings there are courses 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.

#### YEARBOOK PRODUCTION 1

376901CW

##### 1 Unit - Elective Credit

##### Grades 10-12

*Prerequisites: Completion of the yearbook 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.

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.

#### YEARBOOK PRODUCTION 2

376902CW

##### 1 Unit - Elective Credit

##### Grades 10-12

*Prerequisite: Yearbook Production 1, 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.



# FLOYD D JOHNSON TECHNOLOGY CENTER

## TECHNOLOGY COURSES

*“Skills For A Lifetime”*



# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

The Floyd D. Johnson Technology 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 FDJTC:

- 
- |  |   |
|--|---|
| ⇒ Accounting   | with YTC)   |
| ⇒ Agricultural Mechanics & Technology                        | ⇒ Information Support and Services                            |
| ⇒ Automotive Technology                                      | ⇒ Line Worker ( <i>Dual Enrollment with YTC</i> )             |
| ⇒ Building Construction                                      | ⇒ Machine Tool Technology ( <i>Dual Enrollment with YTC</i> ) |
| ⇒ Business Information Management                            | ⇒ Marketing Communications                                    |
| ⇒ Cosmetology  | ⇒ Marketing Management  |
| ⇒ Culinary Arts  | ⇒ Mechatronics  |
| ⇒ Early Childhood Education                                  | ⇒ Project Lead the Way Engineering                            |
| ⇒ Emergency and Fire Management Services                     | ⇒ Programming and Software Development                        |
| ⇒ Family and Consumer Science                                | ⇒ Sports Medicine   |
| ⇒ General Management   | ⇒ Web and Digital Communications                              |
| ⇒ Health Science   | ⇒ Welding Technology ( <i>Dual Enrollment with YTC</i> )      |
| ⇒ Horticulture   |   |
| ⇒ Industrial Maintenance Technology ( <i>Dual Enrollment</i> |   |
- 

As students take courses in the programs, students are earning credits toward being a completer. A completer **is defined as a student that takes three or 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

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## AGRICULTURE, FOOD AND NATURAL RESOURCES

*The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. 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**.*

### Agriculture Science and Technology

562401CW

#### 1 Unit Grades 9-10

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

566000CW

#### 1 Unit Grades 10-11

*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**

### Introduction to Horticulture

565000CW

#### 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**

### Equipment Operations and Maintenance

562100CW

#### 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**

### Nursery, Greenhouse, and Garden Center Technology

567200CW

#### 1 Unit Grades 10-11

*Prerequisite: Intro. To Horticulture*

The course in Nursery, Greenhouse and Garden Center Technology includes organized subject matter and practical experiences related to the operation and management of nursery, greenhouse or a garden center. Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing "green industry" enterprises. Typical instructional activities include hands-on experiences with propagating, growing, establishing, and maintaining nursery plants and greenhouse crops; tissue culture techniques; designing landscapes; preparing designs; sales analysis and management; participating in personal and community leadership development activities; planning and implementing a relevant school-to-work transition experience; and participating in FFA activities.

**Course fee is \$15.00**

### HORTICULTURE

4 Unites Required out of the following 5:

- ⇒ Agriculture Science and Technology
- ⇒ Agriculture Mechanics and Technology
- ⇒ Introduction to Horticulture
- ⇒ Equipment Operations and Maintenance
- ⇒ Nursery, Greenhouse, and Garden Center Technology

*Optional:*

- ⇒ Ag. Work-Based Credit

### Certifications:

- Plant Science
- Fundamentals of Animal Science
- Principles of Floral Design
- Principles of Small Engine Technology
- Meat Evaluation
- Livestock Selection and Evaluation
- Southwest Airlines Professional Communications
- Outdoor Power Equipment

# COURSE OFFERINGS

Floyd D. Johnson Technology Center

## TRANSPORTATION, DISTRIBUTION, & LOGISTICS

*Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services such as transportation infrastructure planning and management, logistics, services, mobile equipment and facility maintenance.*

### Automotive Technology 1

603000CW

#### 1 Unit Grades 9-10

This course focuses on shop safety, basic mechanics tools, shop equipment and brake systems. Brake system theory and brake diagnosis is covered along with repair procedures. Students will study disc and drum brake systems, anti-lock brakes and hydraulics. There will be a limited amount of shop demonstrations and hands-on activities that relate to the material being covered in the classroom. This course is designed for students who are interested in a career on the automotive industry. All course components comply with the National Automotive Technician Education Foundation, (NATEF), automotive Service Excellence (ASE), and standards set forth by the SC Department of Education.

**All students must have safety glasses, shop clothes.**

**Course fee is \$10.00**

### Automotive Technology 2

603100CW

#### 1 Unit Grades 10-12

*Prerequisite: Automotive Technology 1, Grade of 80 or higher in other Auto Classes, Teacher Recommendation*

Auto Tech 2 focuses on drivetrain and HVAC (heat, ventilation, and air conditioning) operation, diagnostics and service procedures. Students will perform NATEF tasks within the Maintenance and Light Repair (MLR) certification. Content will also include system diagnosis, communication, customer relations, technical writing, computer science and blueprints and diagrams. Actual repair work is incorporated into each students learning experience under the close supervision of an ASE-certified instructor. This course also prepares students for Automotive Service Excellence (ASE) certification. Competencies and job tasks comply with NATEF, ASE, and standards set forth by the State Department of Education. Students are advised to have a valid South Carolina driver's license.

**All students must have safety glasses, shop clothes, and shoes.**

**Course fee is \$10.00**

### Automotive Technology 3

3603200CW

#### 1 Unit

#### Grades 11-12

*Prerequisite: Automotive Technology 1 and 2, Grade of 80 or higher in other Auto Classes, Teacher Recommendation*

Auto Tech 3 focuses on steering, suspension, and automatic transmissions. Students will also study tires and wheels, wheel balancing, and wheel alignment. Upon successful completion of this course, they will understand the theory, diagnosis and repair of automotive steering and suspension systems. Actual repair work will be incorporated into each students learning experience under the close supervision of an ASE-certified instructor. Students will perform NATEF tasks within Maintenance and Light Repair (MLR) certification. Content will also include system diagnosis, communication, customer relations, technical writing, computer science and blueprints and diagrams. Competencies and job tasks comply with NATEF, ASE, and standard set forth by the State Department of Education.

**All students must have safety glasses , shop clothes, and shoes.**

**Course fee is \$ 10.00**

### Automotive Technology 4

603300CW

#### 1 Unit Grades 11-12

*Prerequisite: Prerequisite: Automotive Technology 1, 2 and 3, Grade of 80 or higher in other Auto Classes, Teacher Recommendation*

Auto Tech 4 focuses on engine performance and engine repair. Actual repair work is incorporated into each students learning experience under the close supervision of an ASE-certified instructor. This course also prepares students for Automotive Service Excellence (ASE) certification. Competencies of this course comply with NATEF, ASE, and standards set forth by the State Department of Education. Students are advised to have a valid South Carolina driver's license or permit., as PC based scopes and hand-held scanners.

**All students must have safety glasses, shop clothes, and shoes.**

**Course fee is \$10.00**

### AUTOMOTIVE TECHNOLOGY

#### 4 Unites Required

- ⇒ Automotive Technology 1
- ⇒ Automotive Technology 2
- ⇒ Automotive Technology 3
- ⇒ Automotive Technology 4

#### Optional:

Transportation, Distribution and Logistics Work-Based Credit  
AUT 112 Dual Enrollment Braking System

#### Certifications:

- ASE
- SP2



# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## ARCHITECTURE AND CONSTRUCTION

*Careers in designing, planning, managing, building, and maintaining the built environment.*

### BUILDING CONSTRUCTION

*The architecture and construction cluster explores career in designing, planning, managing, building, and maintaining built environments. Specifically, 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.*

#### **Building Construction 1      606002CW**

##### **1 Unit      Grades 9-12**

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      606102CW**

##### **1 Unit      Grades 10-12**

*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      606202CW**

##### **1 Unit      Grades 11-12**

*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      606302CW**

##### **1 Unit      Grades 11-12**

*Prerequisite: Grade of 80 or higher in 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**

### BUILDING CONSTRUCTION

#### 4 Unites Required

- ⇒ Building Construction 1
- ⇒ Building Construction 2
- ⇒ Building Construction 3
- ⇒ Building Construction 4

#### *Optional:*

- Architecture & Construction Work-Based Credit
- BCT 102-DE Fundamentals of Building Construction
- BCT 105-DE Tool Usage and Safety

#### **Certifications:**

- NCCER
- OSHA 10

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## ARCHITECTURE AND CONSTRUCTION

*Careers in designing, planning, managing, building, and maintaining the built environment.*

### UTILITY LINE WORKER (DUAL CREDIT WITH YORK TECHNICAL COLLEGE)

*Business and industry as well as residential areas require utility companies to provide needed services such as electricity, water and telecommunications. Work in this industry requires specialized training for working in and around underground and overhead utility installations including high voltage areas.*

#### ELW 111 INTRODUCTION TO ELECTRICAL LINE WORKER

**1 Unit**

**809000EW**

Introduction to Electrical Line Worker is the traditional course that introduces basic electrical industry information (safety, electricity principles) and introductory uses and application of tools.

#### ELW 114 OVERHEAD LINE CONSTRUCTION 1

**846200EW**

**1 Unit**

This course introduces the basics of overhead power line construction. Topics include safe work habits, protective equipment and pole climbing techniques.

#### ELW 110 ELECTRICAL COMPUTATIONS

**846000EH**

**1/2 Unit**

This course introduces the fundamental applications of mathematics that are used by an electrical line technician. Topics include whole numbers, fractions, decimals, powers, roots, simple electrical formulas, and use of a scientific calculator.

#### ELW 211 UNDERGROUND LINE CONSTRUCTION 1

**846300EW**

**1 Unit**

This course introduces underground line distribution systems, including terminators, elbows, transformers, underground installations and safety practices.

#### ELW 112 INTRODUCTION TO ELECTRICITY

**846100EW**

**1 Unit**

This course introduces the fundamental concepts of electricity and test equipment to non-electrical/electronic majors. Topics include basic DC and AC principles, components and operation of test equipment.

#### ELW 231 ELECTRICAL POWER SYSTEMS

**1 Unit**

This course examines the basic principles of electrical power systems, including transmission lines, generator and transformer characteristics, fault detection and correction, interpretation of line diagrams and performance of per-unit calculations for circuit performance analysis.

#### UTILITY LINE WORKER

- ⇒ ELW 111-DE Introduction to Electrical Line Worker
- ⇒ ELW 110-DE Electrical Computation
- ⇒ ELW 112-DE Introduction to Electricity
- ⇒ ELW 114-DE Overhead Line Construction 1
- ⇒ ELW 211-DE Underground Line Construction 1
- ⇒ ELW 231-DE Electrical Power Systems

*Optional:*

Architecture & Construction Work-Based Credit

#### Certifications:

- Basic Line Worker Certificate

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES

*Human Services and Family Consumer Sciences prepare individuals for employment in career pathways that relate to families and human needs.*

### COSMETOLOGY

*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. . **Cosmetology students are required to pay course fee. Please speak to someone in the Technology Center Office for more information.***

#### Cosmetology 1

615000CW

##### 1 Unit      Grades 10

In this introductory course, students study hair, skin, and nails and their related care. Students are grounded in theory as they prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. The first-year course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures.

#### Cosmetology 2

615100CW

##### 1 Unit

*Prerequisite: Cosmetology 1*

Students will coordinate integration of academic, career, technical knowledge and skills in this laboratory instructional sequence course designed to provide job-specific training for employment in cosmetology careers. Students will attain academic skills and knowledge as well as technical skills related to cosmetology design and color theory. Students will develop knowledge and skills regarding various cosmetology design elements such as form, lines, texture, structure and illusion or depth as they relate to the art of cosmetology. Instruction includes sterilization and sanitation procedures, hair, nail, and skin care meeting the requirements for licensure upon passing the state examination. Analysis of career opportunities, license requirements, knowledge and skills expectations, and development of workplace skills are included.

#### Cosmetology 3

615200CW

##### 1 Unit      Grade 12

*Prerequisite: Cosmetology 1-2*

In this course, students will demonstrate proficiency in academic, technical, and practical knowledge and skills. The content is designed to provide the occupational skills required for licensure. Instruction includes advanced training in professional standards/employability skills; rules and regulations; use of tools, equipment, technologies, materials and practical skills including haircutting, styling, chemical texturizing, hair coloring, skin and nail services. This course is the third year of a three-year program that encompasses theories and principles of cosmetology.

#### Cosmetology 4

615300CW

##### 1 Unit      Grade 12

*Prerequisite: Cosmetology 1, 2, and 3*

This course is designed to prepare students to qualify and successfully complete all requirements for a South Carolina Cosmetology license. Students receive training that follows 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.

### COSMETOLOGY

#### 8 Units Required

- Cosmetology 1
- Cosmetology 2
- Cosmetology 3
- Cosmetology 4

#### Optional:

Human Services Work-Based Credit

#### Certifications:

- South Carolina Cosmetology License

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## HUMAN SERVICES/FAMILY AND CONSUMER SCIENCES

*Human Services and Family Consumer Sciences prepare individuals for employment in career pathways that relate to families and human needs.*

### FAMILY AND CONSUMER SCIENCES

*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 science, nutrition, design, and personal care services.*

#### Family & Consumer Sciences 1

580801CW

1 Unit Grades 9-10

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**

#### Fashion, Fabric, & Design 1

580402CW

1 Unit Grades 10-12

*Prerequisite: Family & Consumer Science 1*

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

580502CW

1 Unit Grades 10-12

*Prerequisite: Fashion, Fabric, & Design 1*

Do you have a flair for creativity and an eye for fashion design? Why not enroll in Fashion, Fabric, and Design 2? This course is designed to develop advanced skills in the selection, purchase, design, care, and construction of textile products. Contextual learning experiences further develop critical thinking skills needed for success in the professional environment and merchandising. Integration of the Family and Consumer Sciences Pre-Professional Assessment Certification (Pre-PAC) competencies and the student organization, Family Careers and Community Leaders of America (FCCLA), greatly enhances this curriculum.

**Course fee is \$10.00**

#### Foods and Nutrition 1

582402CW

1 Unit Grades 10-12

*Prerequisite: Family & Consumer Science 1*

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 and Nutrition 2

582502CW

1 Unit Grades 10-12

*Prerequisite: Foods and Nutrition 1*

Are you aware of what foods to eat to maintain a healthy lifestyle? Can you select and prepare healthy foods? If not these are the courses for you! Food and Nutrition 1 and 2 will allow students to evaluate food choices, practice a variety of food preparation techniques, demonstrate table service and etiquette, and explore nutrition related careers. Critical thinking and practical problem-solving are emphasized in a cocurricular approach that incorporates principles of mathematics, science, writing, communications, and economics. The ServSafe® employee certification provides increased marketability. Foods and Nutrition 1 is a prerequisite for Foods and Nutrition 2. Inclusion of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum. **Course fee is \$10.00**

### FAMILY & CONSUMER SCIENCES

3 Units Required (at least two from this list)

- ⇒ Family & Consumer Sciences 1
- ⇒ Fashion, Fabric & Design 1
- ⇒ Foods & Nutrition 1
- ⇒ Fashion, Fabric & Design 2
- ⇒ Foods & Nutrition 2

Plus 1 of the following:

- ⇒ Introduction to Early Childhood Education
- ⇒ Culinary Arts Management 1
- ⇒ Early Childhood Education 1

*Optional:*

#### Certifications:

- ServSafe Food Handler

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## HOSPITALITY AND TOURISM

*Hospitality and Tourism encompasses the management, marketing, and operations of restaurants and other food services, lodging, attractions, recreating events and travel-related services.*

### CULINARY ARTS MANAGEMENT

*This course emphasizes skills in the following areas: cuisines, culinary basics, culinary mathematics, dining room operations, food production techniques, food service management, menus nutrition, professionalism, recipes, safety and sanitation, and sustainability. Employment opportunities and qualifications are explored as well as industry certifications.*

#### Culinary Arts 1

572001CW

##### 1 Unit Grades 9-10

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

572102CD

##### 2 Units Grades 11-12

*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. **This is a yearlong course.**

*Course fee is \$20.00*

#### Baking and Pastry

572302CW

##### 1 Unit Grades 11-12

*Prerequisite: Culinary Arts 2*

Baking and Pastry for secondary students is a course that provides students an opportunity to develop foundational skills needed for a seamless transition to a postsecondary program, workforce, or military. Students will develop advanced skills in safety and sanitation in addition to management and professionalism. Specialized content includes units on formulas and techniques, basic baking principles, specialized dietary baking, breads, desserts and pastries, and advanced techniques for specialty cakes, confections, piping, plate presentation, and flavor pairing.

*Course fee is \$20.00*

### CULINARY ARTS MANAGEMENT

#### 3 units Required

2 or 3 Units Required from list below:

- ⇒ Culinary Arts Management 1
- ⇒ Culinary Arts Management 2
- ⇒ Baking and Pastry

1 of the following if needed to meet 3 unit completer:

- ⇒ Entrepreneurship
- ⇒ Foods and Nutrition 1
- ⇒ Foods and Nutrition 2
- ⇒ Integrated Business Applications 1
- ⇒ Accounting 1
- ⇒ Fundamentals of Web Page Design & Development

Optional:

- ⇒ *Hospitality and Tourism Work-Based Credit*

#### Certifications:

- ServSafe Food Handler

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## EDUCATION AND TRAINING

*Planning, managing, and providing education and training services and related learning support services.*

### EARLY CHILDHOOD EDUCATION

*These courses are designed as an introduction of skills required for a career in the care, education and administration of programs for young children. Students will develop skills in areas including career paths, developmentally appropriate practices, safe and healthy learning environments, and collaborative relationships.*

#### Introduction Early Childhood Education

**570200CW**

**1 Unit Grades 9-10**

This course is designed as an introduction of skills required for a career in the care, education and administration of programs for young children. Students will develop skills in areas including paths, developmentally appropriate practices, safe and healthy learning environments, and collaborative relationships. Academics and employability skills are integrated throughout the course.

**Course fee is \$10.00**

#### Early Childhood Education 1

**570000CW**

**1 Unit Grades 10-11**

*Prerequisite: Introduction Early Childhood Education*

This course is designed to provide students with hands-on opportunities to actively explore and observe the world of children and prepare them for educational and administrative careers in the field.

**Course fee is \$10.00**

#### Early Childhood Education 2

**570100CW**

**1 Unit Grades 11-12**

*Prerequisites: Early Childhood Education 1*

This is an advanced course focusing on the competencies needed to plan, guide, and care for young children in a safe, healthy, and developmentally appropriate environment. Students may acquire certification in pediatric safety, CPR, and first aid. Students interact with professionals in the field and participate in various school-to-work activities. Student laboratory/field experiences may be school based or in the community and include job shadowing and internships.

**Course fee is \$10.00**

### EARLY CHILDHOOD EDUCATION

4 Units Required :

- ⇒ Intro. To Early Childhood Education
- ⇒ Early Childhood Education 1
- ⇒ Early Childhood Education 2

Plus 1 of the following:

- ⇒ Entrepreneurship
- ⇒ Family & Consumer Sciences 1
- ⇒ Foods & Nutrition 1
- ⇒ Integrated Business Applications 1
- ⇒ Fundamentals of Web Page Design & Development

Optional:

- ⇒ Education & Training Work-Based Credit

### Certifications:

- Early Childhood Certification
- Microburst Employability Certification

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, and support services, and biotechnology

## 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.

### Health Science 1

555000CW

1 Unit Grade 10

Prerequisite: Biology 1

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

555100CW

1 Unit Grade 11

Prerequisite: Health Science 1 with 75 or better

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

555200CW

1 Unit Grade 11

Prerequisite: Health Science 2 with 75 or better

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

556000EW

2 Units Grade 12 YEARLONG CLASS

Prerequisites: Health Science 3 with 75 or better, 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

## HEALTH SCIENCES

3 Units Required :

- ⇒ Health Science 1
- ⇒ Health Science 2

Plus 1 of the following:

- ⇒ Health Science 3
- ⇒ Medical Terminology
- ⇒ Sports Medicine 1
- ⇒ Sports Medicine 2

Optional:

- ⇒ Health Science Work-Based Credit
- ⇒ Sports Medicine Work-Based Credit

Certifications:

- Basic Life Savings/CPR/AED
- Physical Therapy Technician
- Certified Nursing Assistant
- Direct Service Provider

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

*Planning, managing, and providing therapeutic services, diagnostic services, health informatics, and support services, and biotechnology research and development.*

## SPORTS MEDICINE

*These courses provide high school students with a general overview of athletic training, sports medicine and its history. Included is information about the scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions.*

### **Sports Medicine 1**

**555000CW**

#### **1 Unit Grades 10-12**

Sports Medicine 1 emphasizes sports medicine, career exploration and the prevention of athletics injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR) and AED use. Subject matter also includes legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, principles of taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, exercise science, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course.

**Course Fee: \$10.00**

### **Sports Medicine 2**

**555600CW**

#### **1 Unit Grades 10-12**

*Prerequisites: Sports Med 1 with 75 or better*

Sports Medicine 2 emphasizes the recognition and care of common injuries and illnesses sustained by a physically active population. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the concepts of therapeutic modalities and exercise in the care of injuries will be examined. A focus on deeper understanding of body systems and common pathologies will be included. Concepts related to the administrative aspects of the sports medicine program will

also be covered. Students will apply legal and ethical principles through real-world scenarios in various sports medicine settings. Other career roles in sports medicine will be discussed as the Athletic Trainer takes the injured athlete through the pathway of recovery.

**Course Fee: \$15.00**

### **Sports Medicine 3**

**555700CW**

#### **1 Unit Grades 11-12**

*Prerequisite: Sports Med 2 with 75 or better*

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

**Course Fee: \$20.00**

## SPORTS MEDICINE

3 Units Required :

- ⇒ Sports Medicine 1
- ⇒ Sports Medicine 2

Plus 1 of the following:

- ⇒ Health Science 1
- ⇒ Health Science 2
- ⇒ Health Science 3
- ⇒ Sports Medicine 3

Optional:

- ⇒ Health Science Work-Based Credit

### **Certifications:**

- Basic Life Saving/CPR/AED



# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## BUSINESS, MARKETING, AND INFORMATION TECHNOLOGY COURSES

Individuals seeking careers in general business, financial planning, marketing, hospitality, management or information technology have a wide variety of options from which to choose.

### **Accounting 1 500101CW**

**1 Unit Grades 10-12**

*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.

### **Accounting 2 500501CW**

**1 Unit Grades 10-12**

*Prerequisite: 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.

### **Advanced Web Page Design and Development 503300CW**

**1 Unit Grades 10-12**

*Prerequisite: Fundamentals of Web Page Design and Development*

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

### **Advertising 547001CW**

**1 Unit Grades 10-12**

*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**

### **Computer Programming 1 505000CW**

**1 Unit Grades 10-12**

*Pre requisite: Algebra 1*

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.

### **Computer Programming 2 505100CW**

**1 Unit Grades 11-12**

*Prerequisite: C or better in Comp. Program.1*

This course is an advanced level of computer programming.

### **Computer Repair and Service 532000CW**

**1 Unit Grades 9-12**

*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**

### **Computer Repair and Service 2**

**1 Unit Grades 10-12**

**532100CW**

*Prerequisite: Computer Repair & Service*

This course is a continuation of the Computer Repair and Service Course. It prepares students to perform advanced, detailed tasks related to computer repair. Students receive instruction in operating systems, security, mobile devices, and

troubleshooting. Laboratory activities provide instruction in installation, configuration, operation, maintenance, security, troubleshooting and repair of industry-standard operating systems in accordance with industry certification standards.

**Course fee is \$15.00**

### **Cyber Security Fundamentals 537000CW**

**1 Unit Grades 10-12**

*Prerequisite: Fundamentals of Computing or IT Fundamentals*

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

**Course fee is \$15.00**

### **Digital Desktop Publishing 503000CW**

**1 Unit Grades 9-12**

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 OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## BUSINESS, MARKETING, AND INFORMATION TECHNOLOGY COURSES

### Entrepreneurship

540004CW

1 Unit Grades 11-12

*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.

**Course fee is \$10.00**

### Fundamentals of Computing 502300CW

1 Unit Grades 9-12

The course is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Through creativity and innovation, students will use critical thinking and problem solving skills to implement projects that are relevant to students' lives. They will create a variety of computing artifacts while collaborating in teams. Students will gain a fundamental understanding of the history and operation of computers, programming, and web design. Students will also be introduced to computing careers and will examine societal and ethical issues of computing.

### Fundamentals of Web Page Design and Development

503100CW

1 Unit Grades 10-12

*Prerequisite: Proficiency in keyboarding.*

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

### Image Editing

534000CW

1 Unit Grades 10-12

This course is designed to provide students with the knowledge and skills needed to master image manipulation and photographic retouching. Students will explore the technical and artistic aspects of image editing by creating images to be used in various types of media.

### Integrated Business Applications 1 502000CW

1 Unit Grades 9-12

This course provides in-depth instruction in Microsoft Office Applications that will lead to national certifications. The applications covered include MS Word, MS Excel, MS PowerPoint, and MS Access (optional). Students will learn the features and benefits of the application program and apply their knowledge in various problem-based activities. In addition, students are engaged in applying key critical thinking skills and practice of ethical and appropriate behavior for the responsible use of technology.

### IT Fundamentals

502500CW

1 Unit Grades 9-12

The IT Fundamentals course is designed to prepare the student to take the CompTIA IT Fundamentals certification exam. Instruction includes IT literacy, environmental and safety concepts, operating systems, software, hardware, networking, alternative technologies, security, and computational thinking. Students utilize the skills and qualities of the S.C. Profile of the Graduate to analyze and solve problems within the IT industry.

### Marketing

542100CW

1 Unit Grades 9-11

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

543100CW

1 Unit Grades 10-12

*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**

### Sports and Entertainment Management

542600CW

1 Unit Grades 10-12

*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.

**Course fee is \$10.00**

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## BUSINESS AND MARKETING COMPLETER TRACKS

### ACCOUNTING

#### 3 Units Required

- ⇒ Accounting 1
- ⇒ Accounting 2

#### Plus 1 of the Following:

- ⇒ Entrepreneurship
- ⇒ Integrated Business Applications 1

#### Optional:

- ⇒ Finance Work-Based Credit

#### Certifications:

- Microburst Employability Skills

### BUSINESS INFORMATION MANAGEMENT

#### 3 Units Required :

- ⇒ Digital Desktop Publishing
- ⇒ Image Editing 1

#### Plus 1 of the following:

- ⇒ Accounting 1
- ⇒ Advanced Webpage Design and Development
- ⇒ Advertising
- ⇒ Entrepreneurship
- ⇒ Integrated Business Applications 1
- ⇒ Fundamentals of Computing
- ⇒ Fundamentals of Webpage Design and Development

#### Optional:

#### Certifications:

- Microburst Employability Skills

### MARKETING MANAGEMENT

#### 3 Units Required

- ⇒ Marketing
- ⇒ Marketing Management

#### Plus 1 of the Following:

- ⇒ Accounting 1
- ⇒ Advertising
- ⇒ Entrepreneurship
- ⇒ Integrated Business Applications 1

#### Optional:

#### Certifications:

- Microburst Employability Skills

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## INFORMATION TECHNOLOGY COMPLETER TRACKS

### INFORMATION SUPPORT AND SERVICES

#### 3 Units Required

- ⇒ Computer Repair & Service 1
- ⇒ Computer Repair & Service 2

#### Plus 1 of the Following:

- ⇒ Advanced Web Page Design & Development
- ⇒ Computer Programming 1
- ⇒ Computer Programming 2
- ⇒ Cyber Security Fundamentals
- ⇒ Entrepreneurship
- ⇒ Fundamentals of Computing
- ⇒ Fundamentals of Web Page Design & Development
- ⇒ IT Fundamentals

#### Optional:

- ⇒ *Information Technology Work-Based Credit*

#### Certifications:

- Microburst Employability Skills

### PROGRAMMING AND SOFTWARE DEVELOPMENT

#### 3 Units Required

- ⇒ Computer Programming 1
- ⇒ Computer Programming 2

#### Plus 1 of the Following:

- ⇒ Advanced Web Page Design & Development
- ⇒ Entrepreneurship
- ⇒ Fundamentals of Computing
- ⇒ Fundamentals of Web Page Design & Development
- ⇒ IT Fundamentals

#### Optional:

- ⇒ *IT Work-Based Credit*

#### Certifications:

- Microburst Employability Skills

### WEB AND DIGITAL COMMUNICATIONS

#### 3 Units Required

- ⇒ Fundamentals of Web Page Design & Development
- ⇒ Advanced Web Page Design & Development

#### Plus 1 of the Following:

- ⇒ Computer Programming 1
- ⇒ Computer Programming 2
- ⇒ Digital Desktop Publishing
- ⇒ Entrepreneurship
- ⇒ Fundamentals of Computing
- ⇒ Image Editing 1
- ⇒ Integrated Business Applications 1
- ⇒ IT Fundamentals

#### Optional:

#### Certifications:

- Microburst Employability Skills

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

*Planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.*

## LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

*The firefighter program is a detailed orientation to the firefighting side of public safety. In this class, the students shall be expected to wear firefighting ensemble along with an air pack system while performing various fire service specific training and learning exercises. These courses will physically and mentally be demanding with great rewards in regards to fire service readiness.*

### **Introduction to Law, Public Safety, Corrections & Security** **650500CW**

#### **1 Unit Grades 9-12**

This Course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement and legal services. Additionally, students will develop a personal plan for a career in public safety. This course includes skills in each area of Law Enforcement Services and Fire Fighter and the community to help deliver instruction to the students.

***Class fee is \$15.00***

### **Firefighter 1** **651400CW**

#### **1 Unit Grades 10-12**

***Prerequisites: Introduction to Law, Public Safety, Corrections and Security***

This is a year-long course that builds upon the skills taught in the introduction course. Students in this class begin taking the South Carolina Fire Academy Courses: Hazmat Awareness, Hazmat operations and IFSAC Firefighter I. Participants **must be at least 16 years of age.**

***Class fee is \$15.00***

### **Firefighter 2** **651500CW**

#### **1 Unit Grades 11-12**

***Prerequisites: Firefighter 1***

This course builds upon the knowledge that the students gained in Firefighting 1. Students in this class take the South Carolina Fire Academy's Auto Extrication class and IFSAC Firefighter II. Firefighter 2 candidates will also be given, when available, work-based learning hours at the York Fire Department.

***Class fee is \$10.00***

*The following courses are taught through our partnership with York Technical College*

### **CRJ 101 Introduction to Criminal Justice** **652000EW**

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.

### **CRJ 115 Criminal Law 1** **652300EW**

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.

## EMERGENCY AND FIRE MANAGEMENT SERVICES

3 Units Required

- ⇒ Introduction to Law, Public Safety, Corrections & Security
- ⇒ Firefighter 1
- ⇒ Firefighter 2

Optional:

- ⇒ *Law, Public Safety, Corrections and Security Work-Based Credit*

#### **Certifications:**

- NFPA Firefighter 1 and 2
- Basic Life Saving/CPR/AED
- Basic Auto Extrication
- Haz-Mat Awareness
- Haz-Mat Operations

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

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

### PROJECT LEAD THE WAY

*Project Lead the Way (POE) courses will expose students to scientific research and development and professional and technical services in engineering, including laboratory and testing services.*

#### Introduction to Engineering Design (IED)

605100HW

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. 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**

#### Principles of Engineering (POE)

60500HW

1 Unit Grades 10-12

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

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**

#### Digital Electronics (DE)

605200HW

1 Unit Grades 9-12

*Prerequisite: IED AND POE*

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**

#### Engineering Design & Development

605400CW

1 Unit Grades 10-12

*Prerequisites: IED, POE, and DE*

The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

**Course fee is \$15.00**

### PROJECT LEAD THE WAY: PRE-ENGINEERING

4 Units Required :

- ⇒ IED: Introduction to Engineering Design
- ⇒ POE: Principles of Engineering
- ⇒ DE: Digital Electronics
- ⇒ EDD: Engineering Design & Development

Optional:

- ⇒ *Science, Technology, Engineering, and Mathematics (STEM) Work-Based Credit*

#### Certifications:

- Microburst Employability Skills

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## MANUFACTURING

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

### MECHATRONICS INTEGRATED TECHNOLOGIES

*Mechatronics is the synergistic integration of mechanical engineering with electronics and intelligent computer control in the design and manufacture of products and processes.*

#### Introduction to Manufacturing Technology

604501CW

1 Unit Grades 9-10

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**

gained in this course as they collaborate to design, build and program factory system models.

**Course fee is \$15.00**

#### Mechatronics 1: Electrical Components/Industrial Safety

621000CW

1 Unit Grades 10-12

*Prerequisite: Enrolled in or completed Introduction to Manufacturing or Introduction to Engineering Design*

Mechatronics 1 is an applied course in the manufacturing cluster for students interested in learning more about careers as a mechatronics technician, maintenance technician, electromechanical technician, and manufacturing engineer. This course covers basic electrical and mechanical components of mechatronics systems as well as their combined uses with instrument controls and embedded software designs

**Course fee is \$5.00**

#### Introduction to Engineering Design (IED)

605100HW

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. 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**

#### Mechatronics 2: Mechanical Components Electric Drives/Hand and Power Tool Operations

621000CW

1 Unit Grades 10-12

*Prerequisite: Enrolled in or completed Introduction to Manufacturing or Introduction to Engineering Design*

This is an advanced course in the Manufacturing cluster for students interested in learning more about such careers as mechatronics technician, maintenance technician, or electromechanical technician. This course covers basic of pneumatic, electro pneumatic, and hydraulic control circuits in a complex mechatronic system. In addition, the course addresses basic digital logic and programmable logic controllers (PLCs) employed in the mechanical, electronic, and control systems in a mechatronics system.

**Course fee is \$5.00**

#### Computer Integrated Manufacturing (CIM)

605300CW

1 Unit Grades 10-12

*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

### MECHATRONICS INTEGRATED TECHNOLOGIES

3 Units Required

- ⇒ IED: Introduction to Engineering Design
- ⇒ POE: Principles of Engineering

Plus 1 of the Following:

- ⇒ Mechatronics 1: Electrical Components/Industrial Safety
- ⇒ Mechatronics 2: Mechanical Components Electric Drives/Hand and Power Tool Operations

Optional:

- ⇒ *Manufacturing Work-Based Credit*

#### Certifications:

- Microburst Employability Skills

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## MANUFACTURING

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

### WELDING TECHNOLOGY

#### (DUAL ENROLLMENT PROGRAM WITH YORK TECHNICAL COLLEGE)

*The Welding curriculum is designed for persons who seek a background in the basic principles and practices of welding. It is also valuable for many who are currently working in the field of welding who want to add to their current welding skills. Students can receive training in theory and practice relating to OXY/ACTY gas welding & cutting, SMAW, FCAW, GTAW, GMAW welding processes in accordance with current industrial practices. Robotic welding is also taught.*

#### **WLD 111     ARC WELDING I**

This course covers the safety, equipment, and skills used in the shielded metal arc welding process. Fillet welds are made to visual criteria in several positions.

*Credit: College – 4 hours; High School – 1 Unit*

#### **WLD 113     ARC WELDING I I**

This course is a study of arc welding of ferrous and/or non-ferrous metals.

*Credit: College – 4 hours; High School – 1 Unit*

#### **WLD 104     GAS WELDING AND CUTTING**

This course covers welding, brazing, soldering and cutting of metals.

*Credit: College – 2 hours; High School – 1 Unit*

#### **WLD 136     ADVANCED INERT GAS WELDING**

This course covers the techniques for all positions of welding ferrous and non-ferrous metals.

*Credit: College – 2 hours; High School – 1 Unit*

#### **WLD 152     TUNGSTEN ARC WELDING**

This course covers gas tungsten arc welding of carbon-steel filler metal and carbon-steel metals with stainless- steel filler metals.

*Credit: College – 4 hours; High School – 1 Unit*

### WELDING TECHNOLOGY (Dual Enrollment with YTC)

#### 3 Units Required

- ⇒ WLD 111-DE Arc Welding
- ⇒ WLD 113-DE Arc Welding 2
- ⇒ WLD 104-DE Gas Welding and Cutting
- ⇒ WLD 136-DE Advance Inert Gas Welding
- ⇒ WLD 152-DE Tungsten Arc Welding

#### Optional:

- ⇒ *Basic Welding Work-Based Credit*

#### Certifications:

- Basic Welding Certificate



# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## MANUFACTURING

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

### MACHINE TOOL TECHNOLOGY

**(DUAL ENROLLMENT PROGRAM WITH YORK TECHNICAL COLLEGE)**

The Machine Tool Technology curriculum prepares the student for career opportunities in modern computer integrated manufacturing environments as machinist, tool and die makers, manufacturing process technicians, quality control technicians, CNC programmers, CNC setup and operation technician. Students receive practical hands-on experience in machine tool labs using standard machine tool equipment and CNC equipment. This helps to train them to meet high quality standards in manufacturing intricate precision components in modern manufacturing environments. In addition, students also receive training in metallurgical heat treatment, blue print reading, GD&T (Geometrical Dimensioning and Tolerancing), CAD/CAM systems and precision measuring instruments. The Machine Tool Technology curriculum offers a Diploma program.

#### **EGT 128 MACHINE TOOL PRINT LAYOUT (Fall 2020)**

This course covers print layout, projection, and dimensioning for the machine tool trades. (Prerequisite: RDG 031 or equivalent)

*Credit: College – 2 hours; High School – 1 Unit*

#### **MTT 111 MACHINE TOOL THEORY& PRACTICE I (Fall 2020)**

This course is an introduction to the basic operation of machine shop equipment (Prerequisite: RDG 031 or equivalent; Co-requisite EGT128)

*Credit: College – 5 hours; High School – Unit*

#### **MTT 112 MACHINE TOOL THEORY AND PRACTICE II (Spring 2021)**

This course is a combination of the basic theory and operation of machine shop equipment. (Prerequisite: MTT 111)

*Credit: College – 5 hours; High School – 1 Unit*

#### **MTT 254 CNC PROGRAMMING I (Spring 2021)**

This course is a study of CNC programming, including machine language and computer assisted programming. (Prerequisites: MTT 112 and RDG 031 or equivalent)

*Credit: College – 3 hours; High School – 1 Unit*

### MACHINE TOOL TECHNOLOGY (Dual Enrollment with YTC)

#### Units Required

- ⇒ **EGT 128 MACHINE TOOL PRINT LAYOUT**
- ⇒ **MTT 111 MACHINE TOOL THEORY& PRACTICE I**
- ⇒ **MTT 112 MACHINE TOOL THEORY AND PRACTICE II**
- ⇒ **MTT 254 CNC PROGRAMMING I**

#### Optional:

# COURSE OFFERINGS

FLOYD D. JOHNSON TECHNOLOGY CENTER

## MANUFACTURING

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

### INDUSTRIAL MAINTENANCE TECHNOLOGY

#### (DUAL ENROLLMENT PROGRAM THROUGH YORK TECHNICAL COLLEGE)

*This program provides training in safety, electricity, programmable logic controllers (PLCs) and programmable automation controllers (PACs), valves, pumps, welding, power transfer, pneumatics, hydraulics, valves, pumps, welding, power transfer, pneumatics, hydraulics, and use of hand and bench tools. Students are also trained in effective communication, interpretation of blueprints, and use of mathematics.*

#### **EEM 117 AC/DC CIRCUITS I (Lecture and Lab)**

This course is a study of direct and alternating theory, Ohm's Law, series, parallel, and combination circuits. Circuits are constructed and tested.

*Credit:* College – 4 hours; High School – 1 Unit

#### **EEM 215 DC/AC MACHINES**

This course is a study of applications, operations, and construction of DC and AC machines

*Credit:* College – 4 hours; High School – 1 Unit

#### **EEM 145 CONTROL CIRCUITS (Lecture and Lab)**

This course covers the principles and applications of component circuits and methods of motor control.

*Credit:* College – 3 hours; High School – 1 Unit

#### **EEM 221 DC/AC DRIVES**

This course covers the principles of operation and application of DC drives and AC drives

*Credit:* College – 3 hours; High School – 1 Unit

### INDUSTRIAL MAINTENANCE TECHNOLOGY (Dual Enrollment with YTC)

- ⇒ EEM 117-DE AC/DC Circuits 1 (Lecture and Lab)
- ⇒ EEM 145-Control Circuits (Lecture and Lab)
- ⇒ EEM 215-DE DC/AC Machines (Lecture and Lab)
- ⇒ EEM 221-DE DC/AC Drives (Lecture and Lab)

Optional:

- ⇒ *Manufacturing Work-Based Credit*

### WORK-BASED LEARNING

- ⇒ Counts as 1 (one) credit ONE time
- ⇒ Can be given for credit AFTER 3 (three) units have been earned in a program area
- ⇒ Must be approved by the WBL Coordinator BEFORE being placed on a students schedule
- ⇒ **Local board approved courses for students that wish to continue WBL after completing WBC in their program area include: Internship 2, Internship 3, Internship 4**



*The mission and purpose of CTSO are defined as follows: Career and Technical Student Organizations (CTSO) enhance student learning through contextual instruction, leadership and personal development, applied learning and real world application. CTSOs work as an integral component of the classroom curriculum and instruction, building upon employability and career skills and concepts through the application and engagement of students in hands-on demonstrations and real life and/or work experiences through a Career and Technical Education (CTE) program. CTSO's help guide students in developing a career path, a program of study and provide opportunities in gaining the skills and abilities needed to be successful in those careers through CTSO activities, programs and competitive events. In addition, students have opportunities to hold leadership positions at the local, state, and national level and attend leadership development conferences to network with other students as well as business and industry partners.*

***Students enrolled at Floyd D. Johnson Technology Center currently participate in the following CTSO's:***



*DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe. DECA Inc. is a 501(c)(3) not-for-profit student organization with more than 215,000 members in all 50 United States, the District of Columbia, Canada, China, Germany, Guam, Mexico, Puerto Rico and Spain. The United States Congress, the United States Department of Education and state, district and international departments of education authorize DECA's programs.*

*Educators Rising is a free national membership organization for aspiring teachers and their mentors. This school-based program helps young people explore teaching — in secondary or postsecondary — to connect with peers and experts around the country who are focusing on the same issues and challenges.*



*Family, Career and Community Leaders of America (FCCLA) promotes personal growth and leadership development through Family and Consumer Sciences education. Focusing on the multiple roles of family member, wage earner and community leader, members develop skills for life through: character development, creative and critical thinking, interpersonal communication, practical knowledge, and career preparation.*

*SkillsUSA empowers its members to become world-class workers, leaders and responsible American citizens. SkillsUSA improves the quality of our nation's future skilled workforce through the development of Framework skills that include personal, workplace and technical skills grounded in academics.*



*FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth and career success through agricultural education.*

*FFA develops members' potential and helps them discover their talent through hands-on experiences, which give members the tools to achieve real-world success.*

*Members are future chemists, veterinarians, government officials, entrepreneurs, bankers, international business leaders, teachers and premier professionals in many career fields.*

*FFA is an intracurricular student organization for those interested in agriculture and leadership. It is one of the three components of [agricultural education](#).*