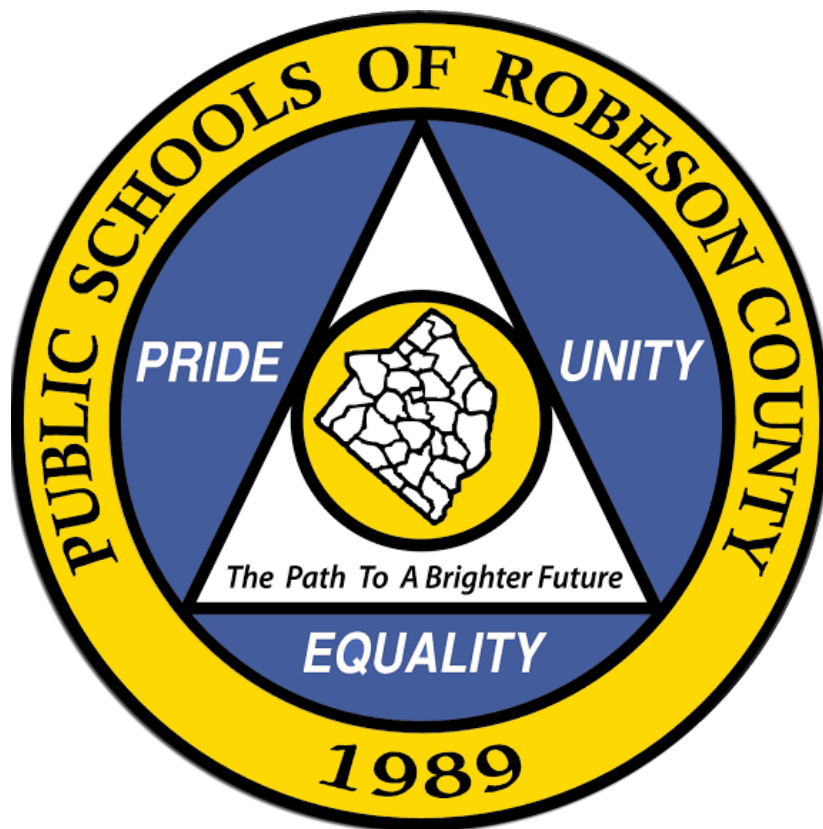


PUBLIC SCHOOLS OF ROBESON COUNTY HIGH SCHOOL REGISTRATION GUIDE

2023-2024

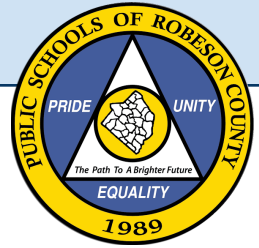


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Superintendent: Dr. Freddie Williamson

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The Public Schools of Robeson County

100 Hargrave Road

Lumberton, NC 28358

Dear incoming and current high school students and families,

It is our pleasure to offer you this high school registration document to guide each student in achieving academic excellence. Every effort has been made to organize the registration document to promote options for you immediately following high school whether it be the workforce, military service, a two-year college, a technical school, or a four-year university. Please study the information carefully and include your parents/guardians, counselors, and teachers in the planning process. I encourage you to give serious consideration to align your goals as registration is a commitment to take courses for the upcoming 2023-2024 school year.

Our high school curriculum prepares students for the 21st century and efforts are made to provide increased rigor and relevance in each course. There are times when schedule changes are warranted and these changes should be made according to course sequences, requirements needed for graduation, or academic misplacement. Students generally receive class schedules prior to the beginning of the school year at an open house. Do not hesitate to contact the school staff and school counselors regarding this process.

Ultimately, the first step prior to achieving your goals is to acquire a high school diploma. I sincerely hope your high school career in the Public Schools of Robeson County will be challenging and productive and will sustain your goals of lifetime learning.

With Warmest Regard,

Dr. Freddie Williamson, Superintendent

Public Schools of Robeson County

The Public Schools of Robeson County
High School Student Registration Form
2023-2024 School Year



Student Full Name (Printed)	PowerSchool ID #	Expected Graduation Year	
ENGLISH (4 Credits Required for Graduation) ○ HONORS ○ English I ○ English II ○ English III ○ English IV ○ Creative Writing ○ Reading for Success ○ AP Lang. & Comp. ○ Spec. Int. Eng Comp.-H ○ AP Lit. & Comp. ○ Spec. Int. Eng Lit-H	MATHEMATICS (4 Credits Required for Graduation) ○ HONORS ○ NC Math 1 ○ NC Math 2 ○ NC Math 3 ○ NC Math 4 ○ Discrete Math for Computer Science ○ PreCalculus-H ○ Calculus-H ○ AP Calculus (AB) ○ AP Statistics ○ AP Computer Science A	SCIENCE (3 Credits Required for Graduation) ○ HONORS ○ Earth/Environ. Science ○ Physical Science ○ Biology ○ Chemistry ○ Chemistry II ○ Physics ○ AP Environmental Science ○ Biology II ○ AP Biology ○ AP Physics ○ Anatomy/Physiology	SOCIAL STUDIES (4 Credits Required for Graduation) ○ HONORS ○ World History ○ Am. His: Founding Princ. (C&E) ○ American History I ○ American History II ○ AP US History ○ Sociology ○ AP World History ○ AP Psychology ○ Latino American Studies ○ World Humanities ○ World Religions ○ Economics & Personal Finance ○ Founding Principles of the United States of America and NC: Civic Literacy
Foreign Language ○ Spanish I ○ Spanish II	HEALTH & PHYSICAL EDUCATION (*1 Credit Required for Graduation & CPR Certification) ○ Health & PE* (ALL 9th Grade) ○ Physical Fitness ○ Team Sports I ○ Team Sports II ○ Lifetime Sports I ○ Lifetime Sports II ○ Weight Train & Cond. I ○ Weight Train & Cond. II	ADDITIONAL COURSES ○ Freshman Seminar ○ Teaching as a Profession I Honors ○ _____ ○ _____ *** Career & College Promise Courses: Require a Completed Dual Enrollment form and will receive Honors weight. Contact a School Counselor for courses.	
TOTAL: 28 Credits Required for Graduation			
JROTC (*New ECHS) ○ HONORS ○ ROTC I ○ ROTC II ○ ROTC III ○ ROTC IV ○ ROTC V ○ ROTC VI ○ ROTC VII H ○ ROTC VIII H	VISUAL ARTS ○ HONORS ○ Vis. Arts (Beginning) ○ Vis. Arts (Intermediate) ○ Vis. Arts (Proficient) H ○ Vis. Arts (Advanced) H ○ Vis. Arts Adv. IV H ○ Vis. Arts Adv. V H ○ AP Std. Art 2D/AP Std. Art 3D	DANCE ○ HONORS ○ Dance (Beginning) ○ Dance (Intermediate) ○ Dance (Proficient) H ○ Dance (Advanced) H ○ Dance Advanced V H ○ Dance Advanced VI H	BAND ○ HONORS ○ Band (Beginning) ○ Band (Intermediate) ○ Band (Proficient) H ○ Band (Advanced) H ○ Band Advanced V H ○ Band Advanced VI H
ORCHESTRA ○ HONORS ○ Orchestra (Beginning) ○ Orchestra (Intermediate) ○ Orchestra (Proficient) H ○ Orchestra (Advanced) H ○ Orchestra Advanced V H ○ Orchestra Advanced VI H	VOCAL MUSIC ○ HONORS ○ Vocal Music (Beginning) ○ Vocal Music (Intermediate) ○ Vocal Music (Proficient) H ○ Vocal Music (Advanced) ○ Vocal Music Advanced V H ○ Vocal Music Advanced VI H	THEATRE ARTS ○ HONORS ○ Theatre Arts (Beginning) ○ Theatre Arts (Intermediate) ○ Theatre Arts (Proficient) H ○ Theatre Arts (Advanced) H ○ Theatre Arts Advanced V H ○ Theatre Arts Advanced VI H	JOURNALISM ○ HONORS ○ Journalism I ○ Journalism I H ○ Journalism II ○ Journalism II H ○ Journalism III ○ Journalism III H ○ Journalism IV ○ Journalism IV H

CTE Electives	Career Center
<ul style="list-style-type: none"> o Agriscience Applications o Animal Science I o Animal Science II* (Prerequisite) o Veterinary Assisting o Horticulture I o Horticulture II* o Environ. & Nat. Resources I o Environ. & Nat. Resources II* o Sustainable Agricultural Production I o Sustainable Agricultural Production II* o Accounting I o Accounting II* o Business Law o Foods I (Prerequisite) o Foods II* o Food Science and Technology* o Project Management I o Project management II* o Computer Science I o Computer Science II* o Apparel & Textile Production I o Apparel & Textile Production II* o Fashion Merchandising o Child Development (Prerequisite) o Early Childhood Education I o Early Childhood Education II* o Business Essentials (Prerequisite) o Financial Planning I o Financial Planning II* o Business Management I o Business Management II* o Marketing (Prerequisite) o Business Essentials (Prerequisite) o Sports & Entertainment Marketing I (Prerequisite) o Hospitality & Tourism* o Entrepreneurship I o Entrepreneurship II* o Sales I o Sales II* o Sports & Entertainment Marketing I o Sports & Entertainment Marketing II* o Foundations of Health Science (Prerequisite) o Health Science I o Health Science II*(Prerequisite) o Nursing Fundamentals o CTE Advanced Studies* (Level 2 CTE Course Required) 	<ul style="list-style-type: none"> o Core & Sustainable Construction (Prerequisite) o Carpentry I o Carpentry II* o Carpentry III* o Masonry I o Masonry II* o Electrical Trades I o Electrical Trades II* o Plumbing I o Plumbing II* o Plumbing III* o Welding Technology I o Welding Technology II* o Welding Technology III* o Drafting I (Prerequisite) o Drafting II*-Arch. o Drafting II*-Engi o Emergency Med. Tech I (11th 12th ONLY) o Emergency Med. Tech II*(Prerequisite) o Emergency Management o Adobe Visual Design I o Adobe Visual Design II* o Adobe Video Design o Drafting I o Drafting II-Engineering* o Automotive Service Fund. (Prerequisite) o Automotive Service I o Automotive Service II* o Cisco Networking Engineering Tech. I o Cisco Networking Engineering Tech II* o Computer Engineering Tech I o Computer Engineering Tech II* o _____ <p><u>CCP Classes at Career Center</u></p> <ul style="list-style-type: none"> o Firefighter Technology I o Firefighter Technology II* o Law & Justice I o Law & Justice II* o Core & Sustainable Construction (Prerequisite) o HVAC I o HVAC II* o Health Science I & II* (Prerequisite) o Pharmacy Tech. o _____

NORTH CAROLINA ACADEMIC SCHOLARS & ENDORSEMENTS

Students must:

- ❖ *Begin planning for the endorsements before entering 9th grade to ensure they obtain the most flexibility in their course selection.*
- ❖ *Complete all the requirements by the time of graduation.*
- ❖ *Students may earn a Career Endorsement, a College Endorsement, and/or a North Carolina Academic Scholars Endorsement.*

North Carolina Academic Scholars	College/UNC Endorsement	College Endorsement	Career Endorsement
Students must:	Students must:	Students must:	Students must:
Have an overall 4-yr unweighted GPA of 3.5*	Have an overall 4-yr weighted GPA of 2.5*	Have an overall 4-yr unweighted GPA of 2.6*	Have an overall 4-yr unweighted GPA of 2.6*
Complete all course requirements under the Future-Ready Core Course of Study	Complete all course requirements under the Future-Ready Core Course of Study	Complete all course requirements under the Future-Ready Core Course of Study	Complete all course requirements under the Future-Ready Core Course of Study
Complete the Future-Ready Core mathematics sequence of Math I, II, III, and a higher level mathematics course with Math III as a prerequisite	Complete the Future-Ready Core mathematics sequence of Math I, II, III, and a fourth mathematics course that meets University of North Carolina system minimum admission requirements	Complete the Future-Ready Core mathematics sequence of Math I, II, III, and a fourth mathematics course that either meets University of North Carolina system minimum requirements or North Carolina Community College System Multiple Measures for Placement	Complete the Future-Ready Core mathematics sequence of Math I, II, III, and a fourth mathematics course aligned with the student's postsecondary plans
Two (2) elective credits in a world language (other than English)	Two (2) elective credits in a world language (other than English)	No world language required	No world language required
Four (4) The student shall complete four elective credits in any one subject area, such as Career and Technical Education (CTE), JROTC, Arts Education, World Languages, or in another content area	No concentration required	No concentration required	Four (4) elective credits constituting a Career and Technical Education (CTE) concentration in one of the approved CTE Cluster areas
Three (3) elective higher level courses taken during junior/senior years which carry 4.5 or 5 quality points such as : -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing course -On-line courses -Other honors or above designated courses	Three (3) credits of science including at least one physical science, one biological science, and one laboratory science, which must include either physics or chemistry	No additional requirements	Earn at least one industry-recognized credential. Earned credentials can include Career Readiness Certificates (CRC) at the Silver level or above from WorkKeys assessments OR another appropriate industry credential/certification

***Grade Point Average (GPA) will be calculated in grade 12 at the end of the second nine-weeks grade period.**

Future-Ready Course of Study requires students to take the following 22 units of credit: (Additional local requirements may also be necessary to receive a diploma. 28 Credits required for PSRC)

6

Career & Technical Education (CTE) Pathways

To earn a concentration for graduation and CTE federal reporting purposes: Students must complete a **CTE Concentrator Course** in an approved career pathway. A **Concentrator Course** is defined as a second- or third-level course that builds upon skills acquired in a prerequisite course.

- o ACCOUNTING CAREER PATHWAY
- o ADOBE ACADEMY CAREER PATHWAY
- o ANIMAL SCIENCE CAREER PATHWAY
- o APPAREL AND TEXTILE PRODUCTION CAREER PATHWAY
- o AUTOMOTIVE SERVICES CAREER PATHWAY
- o CARPENTRY CAREER PATHWAY
- o CISCO NETWORK ENGINEERING CAREER PATHWAY
- o CULINARY ARTS APPLICATIONS CAREER PATHWAY
- o CULINARY ARTS INTERNSHIP CAREER PATHWAY
- o DRAFTING ARCHITECTURAL CAREER PATHWAY
- o DRAFTING ENGINEERING CAREER PATHWAY
- o EARLY CHILDHOOD DEVELOPMENT & SERVICES CAREER PATHWAY
- o ELECTRICAL TRADES CAREER PATHWAY
- o EMERGENCY MEDICAL TECHNOLOGY CAREER PATHWAY
- o ENTREPRENEURSHIP CAREER PATHWAY
- o FINANCIAL SECURITIES AND INVESTMENTS CAREER PATHWAY
- o FIREFIGHTER TECHNOLOGY CAREER PATHWAY
- o FOOD & NUTRITION CAREER PATHWAY
- o FOOD PRODUCTS & PROCESSING SYSTEMS CAREER PATHWAY
- o HEALTHCARE PROFESSIONAL CAREER PATHWAY
- o MARKETING MANAGEMENT CAREER PATHWAY
- o MASONRY CAREER PATHWAY
- o NATURAL RESOURCES CAREER PATHWAY
- o PLANT SYSTEMS CAREER PATHWAY
- o PLUMBING CAREER PATHWAY
- o POWER, STRUCTURAL & TECHNICAL SYSTEMS CAREER PATHWAY
- o PROJECT MANAGEMENT CAREER PATHWAY
- o SALES CAREER PATHWAY
- o SPORTS & ENTERTAINMENT MARKETING CAREER PATHWAY
- o SUSTAINABLE AGRICULTURE CAREER PATHWAY

Career Development Plan

The career development plan is a “road map” for academic excellence in high school. If you plan to pursue admission to a two or four-year college, choose your electives based on college admissions requirements. A plan to seek employment immediately after graduation or certificate pathway can be aligned with CTE and it is essential to select an elective course that may prepare you to enter the workforce. Before planning please do the following:

1. Review courses required for high school graduation or NC Academic Scholars’ Program
2. Review courses that prepare you for your plans after high school (college, university, work).
3. Discuss course options with your parents or guardians, teachers, and school counselors.
4. Utilize this document to customize your four-year plan.



9th - Freshman Year	10th - Sophomore Year	11th - Junior Year	12th - Senior Year
<i>Course Name</i>	<i>Course Name</i>	<i>Course Name</i>	<i>Course Name</i>
Total Credits:_____	Total Credits:_____	Total Credits:_____	Total Credits:_____

Career Pathway I am considering: _____

Grading Scale

Beginning in 2015 and beyond, all students in North Carolina will be graded on a 10-point scale approved by the State Board of Education. High school honors courses will receive five tenths (0.5) additional quality point and Advanced Placement/College courses will receive one (1) additional quality point for 9th graders beginning in 2015-2016.

A 90-100 = 4.0	B 80-89 = 3.0	C 70-79 = 2.0	D 60-69 = 1.0	F \leq 59 = 0.0
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High School Promotion Standards

10 th Grade	11 th Grade	12 th Grade
6 credits -including English I	13 credits - including English I & II, (1) Math, (1) Science and (1) Social Studies	20 credits -including English I, II & III

Graduation Requirements

The Public Schools of Robeson County requires 28 units of credit for graduation (or 4 units less than the total number of courses available to take in four years)

- Specific requirements are dependent on the year the student enrolls as a ninth grader.
- Successful completion of graduation activities required by school or district.

CCRG Requirement

The College and Career Ready Graduate (CCRG) program provides high school students an opportunity to transition from high school to post-secondary education at the community college smoother and easier. Students will be able to satisfy English and Math requirements for college while still in high school at no cost to the student or family.

CCRG is a response to legislation (S.L. 2015-241, Section 10.13 amended by S.L. 2016-94 and S.L. 2018-5). The intent of the legislation is to provide an opportunity for high school students to ensure remediation-free placement into the NC Community College System (NCCCS). CCRG provides instruction in foundational skills for Mathematics and English that are critical for success in post-secondary learning. With the opportunity to meet this requirement in high school, students can be more prepared to be successful in the community college setting.

Who is Exempt?

CCRG English Exemptions

- ___ Cumulative high school GPA- 2.8 or higher
- ___ SAT ERW- 480 or higher
- ___ ACT English- 18 or higher
- ___ ACT Reading- 22 or higher
- ___ AP Language & Composition- 3 or higher
- ___ AP Literature & Composition- 3 or higher
- ___ IB English A- 4 or higher

- ___ AS Level English Language- grade C or higher
- ___ A Level English Language- grade C or higher
- ___ AS Level Language and Literature in English- grade C or higher
- ___ For CCP/CIHS students*: College GPA 2.8+ and 6+ UGETC credits earned with a grade of C or higher
- ___ For CCP/CIHS students*: Completion of ENG 111 or ENG 110 with a grade of C or higher

CCRG Math Exemptions

- ___ Cumulative high school GPA- 2.8 or higher
 - ___ SAT Math- 530 or higher
 - ___ ACT Math- 22 or higher
 - ___ Math 3 EOC- 4 or 5
 - ___ AP Calculus AB- 3 or higher
 - ___ AP Calculus BC- 3 or higher
 - ___ IB Math (Higher Level) - 4 or higher
 - ___ IB Advanced Math (Higher Level)- 4 or higher
 - ___ IB Mathematical Studies (Standard Level)- 4 or higher
 - ___ Cambridge International Exam: AS Level Math- grade C or higher
 - ___ Cambridge International Exam: A Level Math- grade C or higher
 - ___ Cambridge International Exam: A Level Mathematics-Further- grade C or higher
 - ___ For CCP/CIHS students*: College GPA 2.8+ **and** 6+ UGETC credits earned with a grade of C or higher
 - ___ For CCP/CIHS students*: Completion of MAT 110, MAT 121, MAT 143, MAT 152, **or** MAT 171 with a grade of C or higher
- *CIHS students are those attending early colleges, middle colleges, or other cooperative innovative high schools.

Credit Recovery

Students who fail a course may be given the opportunity to earn credit through a Credit Recovery (CR) Course. Students must meet qualifying scores (course grade between 50-59) in the failed course. Students completing CR for a failed course will earn a grade of P (pass). College-bound athletes are discouraged from considering this option, as courses that earn the grade of P (pass), will not factor into the GPA and may not meet NCAA eligibility policies. Students and parents interested in this option should have a discussion with the student's School Counselor. Students must complete all required units with a passing grade of 60 or above and pass the post assessment with a 60 or above. Students enrolled in credit recovery for courses that require an EOC and have already taken the EOC have the option of retaking the EOC for the exam grade.

Grade Suppression

Repeating a Course for which Credit was Earned (Grade Replacement)

The board recognizes that high school students may need to repeat a course for which they have earned credit in order to increase their understanding of the course content, to improve skill mastery, or to meet postsecondary goals. Students may repeat a course for which they have previously earned credit, subject to the following preconditions and any other reasonable rules established by the superintendent:

- a. the student must have earned a letter grade of C or lower in the course on the first attempt;
- b. the student must make a written request to repeat the course;
- c. the principal or designee must approve the request;
- d. there must be space available after seats have been assigned to students who are taking the course for the first time or repeating a previously failed course;
- e. the course to be repeated must be a duplicate of the original class and must be taken during the regular school day at a high school in this school system or through the North Carolina Virtual Public School;

- f. upon completion of the repeated course, the new course grade will replace the student's original grade on the student's transcript and in calculations of the student's GPA, class rank, and honor roll eligibility, regardless of whether the later grade is higher or lower than the student's original mark;
- g. credit towards graduation for the same course will be given only once;
- h. a course may be repeated only one time; and
- i. students may repeat a maximum of four previously passed courses during their high school careers.

The superintendent shall require notice to students and parents of these preconditions and of any other relevant information deemed advisable by the superintendent.

**GRADUATION/PROMOTION REQUIREMENTS FOR STUDENTS ENTERING THE 4X4 BLOCK SCHEDULE
FROM YEAR-LONG-SIX PERIOD SCHEDULES**

PROMOTION	HAS BEEN IN SIX-PERIOD SCHEDULE FOR 1 YEAR	HAS BEEN IN SIX PERIOD SCHEDULE FOR 2 YEARS	HAS BEEN IN SIX PERIOD SCHEDULE FOR 3 YEARS
GRADE 9 TO GRADE 10	5 CREDITS; MUST INCLUDE ENGLISH I	5 CREDITS; MUST INCLUDE ENGLISH I	5 CREDITS; MUST INCLUDE ENGLISH I
GRADE 10 TO GRADE 11	12 CREDITS; MUST INCLUDE ENGLISH II	10 CREDITS; MUST INCLUDE ENGLISH II	10 CREDITS ; MUST INCLUDE ENGLISH II
GRADE 11 TO GRADE 12	18 CREDITS; MUST INCLUDE ENGLISH III	16 CREDITS; MUST INCLUDE ENGLISH III	15 CREDITS; MUST INCLUDE ENGLISH III
MINIMUM GRADUATION REQUIREMENTS	26 UNITS	24 UNITS	22 UNITS

**GRADUATION/PROMOTION REQUIREMENTS FOR STUDENTS ENTERING THE 4X4 BLOCK SCHEDULE
FROM YEAR-LONG-SEVEN PERIOD SCHEDULES**

PROMOTION	HAS BEEN IN SEVEN-PERIOD SCHEDULE FOR 1 YEAR	HAS BEEN IN SEVEN-PERIOD SCHEDULE FOR 2 YEARS	HAS BEEN IN SEVEN-PERIOD SCHEDULE FOR 3 YEARS
GRADE 9 TO GRADE 10	5 CREDITS; MUST INCLUDE ENGLISH I	5 CREDITS; MUST INCLUDE ENGLISH I	5 CREDITS; MUST INCLUDE ENGLISH I
GRADE 10 TO GRADE 11	12 CREDITS; MUST INCLUDE ENGLISH II	11 CREDITS; MUST INCLUDE ENGLISH II	11 CREDITS ; MUST INCLUDE ENGLISH II
GRADE 11 TO GRADE 12	19 CREDITS; MUST INCLUDE ENGLISH III	17 CREDITS; MUST INCLUDE ENGLISH III	15 CREDITS; MUST INCLUDE ENGLISH III
MINIMUM GRADUATION REQUIREMENTS	27 UNITS*	25 UNITS*	23 UNITS*

Schedule Changes

Consider courses carefully while allowing for options that meet your plans after high school in post-secondary education or career. It is the individual student's responsibility to guarantee the coursework meets requirements for graduation and college entrance.

- **There will be no schedule changes after the first ten (10) days of school.** Changes should be made in writing with a drop/add form.
- Schedule changes are limited due to conflicts in master scheduling, enrollment numbers and graduation/pathway requirements.
- **A few course offerings may not be scheduled due to a low enrollment number.** In this case, an alternate course selection will be made to accommodate the student's given pathway/graduation requirements.
- First priority will be given to seniors for schedule changes because they require courses for graduation.

The administration has designated **Thursday, July 27, 2023** as the last date for adding or dropping courses. There will be absolutely no changes after this date, unless initiated by the School Counselor or Principal for the following reasons.

1. The student was not successful and failed a prerequisite course, or
2. The student requires a specific course for alignment with graduation requirements.

Driver Education

Driver Education classes start with a 30 hour Classroom Course that is taught after school hours. Classes will culminate with a final exam on the last scheduled day of class. By NC law, students must have 30 contact hours of training where they learn requirements for a NC Driver's License: traffic laws, rules of the road, safety, courtesy, and proper attitudes for driving. Students must attend all classes to successfully complete the course. Please check the Driver Education Instructor for information on dates and locations for the course.

At the conclusion of the classroom session, successful students will be called by an instructor to schedule (6) six hours of behind-the-wheel training. When students have successfully completed the six hours of driving, they are issued a Driver Education Certificate which will allow them to obtain a Driver Eligibility Certificate. To obtain the Driver Eligibility Certificate, students must bring these three documents to the high school office along with their parent or legal guardian:

- The Driver Education Certificate form issued by the Driver Ed behind-the-wheel instructor
- A Certified Birth Certificate from the Register of Deeds in the county of birth that proves identity and age
- An Official Social Security Card that matches the name on the birth record

The Parent or Guardian must appear in person to sign all documents in the presence of a school official.

At that time a Driver Eligibility Certificate will be issued that certifies the training and academic eligibility* of the student. Students then take those four documents and their parent/guardian to the DMV to obtain the Learner's Permit. Students must keep the Learner's Permit for 12 months during which time they must practice driving with their parent or adult designee. The adult designee must be a NC licensed driver with minimum 5 years of experience.

*Students must pass 3 of 4 courses each semester in order to preserve their driving privilege.

Policy Code: 3450 Class Rankings

Class rankings are one method of measuring academic performance. The board also recognizes other means of evaluating student achievement, including grade point average, courses completed, the rigorousness of the curriculum, results of tests and assessments, and recommendation letters.

Ranking will also be done at the end of the third nine-week grade period for students in 11th grade in order to select marshals for the graduation ceremony. For the purpose of selecting marshals, students' grades at the end of the third nine-week grade period will be treated as the final mark for the course. Students with the highest cumulative grade point averages (GPAs) are the marshals. There will be a minimum of 12 marshals, and the number of marshals will not exceed 5% of the number of students in the senior class. Marshalls will be determined and cannot change after the end of the 3rd nine-week grade period. A student who has not been selected to be a marshal cannot change school assignment in order to become one. However, if a student has been selected as a marshal at his or her assigned school, the title as marshal will follow the student to another school assignment.

High school principals shall provide for each student's class ranking to be listed on student's transcript and may make class rank information available periodically to students and their parents or guardians, and to other institutions at the request of the student or the student's parent or guardian. Students with a GPA of 3.75 or above graduate Summa Cum Laude. Students with a GPA of 3.50 to 3.749 graduate Magna Cum Laude. Students with a GPA of 3.25 to 3.499 graduate Cum Laude. Rankings are computed at the end of the final marking period and will be reflected on the final transcript. In addition to recognizing Honor and Merit Based Cords, graduating seniors will be allowed to choose one additional cord of their choice with principal approval. Altering the traditional graduation regalia, including caps, gowns or stoles will not be allowed.

Effective with the 2022-23 school year, ranking will be done at the conclusion of the fifth semester for students in the 11th grade in order to select marshals for the graduation ceremony. Students with the highest cumulative grade point averages (GPAs) are the marshals. There will be a minimum of 12 marshals, and the number of marshals will not exceed 5% of the number of students in the senior class. Marshalls will be determined and cannot change after the end of first semester. A student who has not been selected to be a marshal cannot change school assignment in order to become one. However, if a student has been selected as a marshal at his or her assigned school, the title as marshal will follow the student to another school assignment.

A ranking in the 12th grade will be completed at the end of the seventh semester for all graduation exercise activities. Seniors who earn the distinction of honors graduates, based on their weighted GPAs will be recognized at the graduation ceremonies. Students with a GPA of 3.75 or above graduate Summa Cum Laude. Students with a GPA of 3.50 to 3.749 graduate Magna Cum Laude. Students with a GPA of 3.25 to 3.499 graduate Cum Laude. Rankings are computed at the end of the final marking period and will be reflected on the final transcript. In addition to recognizing Honor and Merit Based Cords, graduating seniors will be allowed to choose one additional cord of their choice with principal approval. Altering the traditional graduation regalia, including caps, gowns or stoles will not be allowed.

GPAs and class rankings will be computed in accordance with State Board of Education policy [GRAD-009](#). Principals shall ensure that class ranking is computed in a fair and consistent manner with adequate notice to students and parents. Nothing in this policy provides any legal entitlement to a particular class rank or title. Although the student grievance procedure may be utilized to formally resolve disputes, the board encourages parents, students, and principals to informally reach a resolution on any matters related to class rank.

Policy Code: 3460 Graduation Requirements

Graduation prior to that of one's class may be permitted on the basis of criteria approved by the board upon recommendation by the superintendent.

Medical Examination

In order to be eligible for practice and participation in interscholastic athletic contests, a player must receive a medical examination once every 395 days by a duly licensed physician, nurse practitioner or physician's assistant.

Age of Player

No student may be approved for any athletic contest if his/her 19th birthday comes on or before August 31 of that year.

Scholastic Requirements

A student must pass three out of four courses each semester and be in attendance 85% of the semester to be eligible to participate. Students must also meet local promotion standards set by Robeson County Schools to be eligible. A student entering the ninth grade is eligible for the first semester competition on high school athletic teams.

School Contact Information

Early College High School	910-737-5232
Fairmont High School	910-628-6727
Lumberton Senior High School	910-671-6050
Red Springs High School	910-843-4211
Purnell Swett High School	910-521-3253
St. Pauls High School	910-865-4177

ENGLISH

ENGLISH I (Regular or Honors*)

This course follows the North Carolina Standard Course of Study for English Language Arts for Grade 9. The standards are structured around four strands: reading, writing, language, and speaking & listening.

ENGLISH II (Regular or Honors*)

Recommended Prerequisite: English I

This course follows the North Carolina Standard Course of Study for English Language Arts for Grade 10. The standards are structured around four strands: reading, writing, language, and speaking & listening.

ENGLISH III (Regular or Honors*)

Recommended Prerequisite: English II

This course follows the North Carolina Standard Course of Study for English Language Arts for Grade 11. The standards are structured around four strands: reading, writing, language, and speaking & listening.

SPECIAL INTEREST ENGLISH (COMPOSITION) Honors*

Recommended Prerequisite: English II

This college level course is designed for students who plan to take English III Advanced Placement Language and Composition as sequel. Students delve deeply into special topics in language and analysis of literary nonfiction, speeches, and documents from the United States cannon as well as contemporary writings. They pursue independent research and master many forms of written communication.

ADVANCED PLACEMENT LANGUAGE & COMPOSITION

Recommended Prerequisite: English II

This course conforms to an introductory college level course in language and composition. The course includes a survey of college level literature with emphasis on language and rhetoric. All students are expected to complete independent study & research projects in addition to registering for the AP Exam in Language and Composition.

ENGLISH IV (Regular or Honors*)

Recommended Prerequisite: English III

This course follows the North Carolina Standard Course of Study for English Language Arts for Grade 12. The standards are structured around four strands: reading, writing, language, and speaking & listening.

SPECIAL INTEREST ENGLISH (LITERATURE) Honors*

Recommended Prerequisite: English III

This is a college level course designed for students who plan to take Advanced Placement English IV Literature and Composition as a sequel. Students delve deeply into special topics in British and world literature and literary theory and analysis. They pursue Independent research and master many forms of written communication.

ADVANCED PLACEMENT LITERATURE & COMPOSITION

Recommended Prerequisite: English III

This course conforms to introductory college level literature and composition. The course includes a study of college level literature with emphasis placed on writing critical essays, in and out of class. Independent study and research projects are required. All students are expected to take the AP English exam in Literature and Composition.

CREATIVE WRITING

In this course, students will write, share, revise, and critique their own creative writing (narrative, descriptive, memoir, essay, criticism, argumentative, and more). In addition, students will read and analyze mentor texts as they determine key ideas and details, analyze the author's craft and voice, understand syntax and text structure, and evaluate rhetoric. Students will increase their vocabulary, refine their word choices, and employ increasingly complex sentence structures.

READING FOR SUCCESS

In this course, students will read increasingly complex literature and informational texts. Instruction will center on determining key ideas and details, analyzing the author's tone and craft, understanding text structure, determining an author's purpose, and evaluating arguments. In addition, students will learn reading strategies, academic vocabulary, word parts, and sentence structure.

MATHEMATICS

FOUNDATIONS OF MATH I (ELECTIVE CREDIT)

Algebraic thinking involves finding and describing patterns, making generalizations about numbers, using symbols and models to represent patterns, quantitative relationships, and changes over time.

NC MATH 1 (Regular or Honors*)

NC Math 1 provides students the opportunity for an in-depth study of the high school Conceptual categories of Number and Quantity, Algebra, Functions, Geometry, Statistics and Probability, and Modeling aligned to the Common Core State Standards. The modeling standards are most appropriately interpreted in relation to other standards as opposed to being addressed in isolation. Students are expected to represent realistic situations with mathematical models and use multiple representations of linear, exponential, and quadratic functions while utilizing the following mathematical practices:

NC MATH 2 (Regular or Honors*)

Recommended Prerequisite: NC Math 1

NC Math II provides students the opportunity for an in-depth study of the high school Conceptual categories of Number and Quantity, Algebra, Functions, Geometry, Statistics and Probability, and

Modeling aligned to the Common Core State Standards. The modeling standards are most appropriately interpreted in relation to other standards as opposed to being addressed in isolation. Students are expected to represent realistic situations with mathematical models and use multiple representations of linear, exponential, and quadratic functions with a greater emphasis on geometry, probability and statistics while utilizing the following mathematical practices:

NC MATH 3 (Regular or Honors*)

Recommended Prerequisite: NC Math 2

NC Math III provides students the opportunity for an in-depth study of the high school conceptual categories of Number and Quantity, Algebra, Functions, Geometry, Statistics and Probability, and Modeling aligned to the Common Core State Standards. The modeling standards are most appropriately interpreted in relation to other standards as opposed to being addressed in isolation. Students are expected to represent realistic situations with mathematical models and use multiple representations of linear, exponential, quadratic, rational and polynomial functions while utilizing the following mathematical practices:

NC MATH 4 (Regular or Honors*)

Recommended Prerequisite: NC Math 3

The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for college level algebra and statistics or as a bridge to prepare students for Precalculus or other advanced math courses.

Discrete Mathematics for Computer Science (Abbreviation DCS)

Recommended Prerequisite: NC Math 3

The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses.

PRECALCULUS (Honors*)

Recommended Prerequisite: NC Math 3

Pre-Calculus provides students an honors-level study of trigonometry, advanced functions, analytic geometry, and data analysis in preparation for calculus. Applications and modeling should be included throughout the course of study. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.

CALCULUS (Honors*)

Recommended Prerequisite: NC Math 3

Calculus is a challenging in-depth study of functions, graphs, limits, derivatives, definite integrals, antiderivatives, and Real-world applications of differentiation and antidifferentiation. Students will work with functions graphically, numerically, analytically, and verbally and understand the connections among these representations. Some of the topics covered include limits, continuity, derivatives, applications of derivatives (rates of change, rectilinear motion, related rates, curve-sketching, optimization), integrals, applications of integrals (area, volumes, accumulation of change, differential equations), and techniques of integration.

AP CALCULUS AB

Recommended Prerequisite: CALCULUS (Honors*)

Advanced Placement Calculus develops the student's understanding of the concepts of calculus (functions, graphs, limits, derivatives and integrals) and provides experience with its methods and applications. The course encourages

the geometric, numerical, analytical, and verbal expression of concepts, results, and problems. Appropriate technology, from manipulatives to calculators and application software should be used regularly for instruction and assessment.

AP STATISTICS

Recommended Prerequisite: NC Math 3

Advanced Placement Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns and departures from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.

ACT/SAT PREPARATION

This course is designed to improve both the test taking skills and the creative writing ability of students. The course deals with analogies, sentence completion, and reading comprehension, as well as working with algebra, geometry, and quantitative comparisons on both the ACT and SAT. Students are provided practice exercises on both tests, test-taking techniques relevant to each test, and explanations of scoring procedures for better understanding of score reports.

SCIENCE

EARTH/ENVIRONMENTAL SCIENCE (Regular or Honors*)

This course provides a comprehensive introduction to the scientific study of the planet earth. Students will learn the basic principles underlying the disciplines of geology, meteorology, climatology, oceanography, and astronomy. Emphasis will be placed on in-depth understanding through use of science process skills in analysis of real earth data in laboratory situations.

BIOLOGY (Regular or Honors*)

This course of study entails the science of life processes, including the study of structure, functions, growth, origin, evolution, habitats, and distributions of living organisms. Students understanding of the interrelationships between themselves and their environment is stressed. Students are also exposed to technical vocabulary, critical reading, and interpretation of data, generalizations and designing experiments.

BIOLOGY II (Honors*)

Recommended Prerequisite: BIOLOGY, CHEMISTRY

This course is designed for talented science students interested in a career in medicine or any allied health field. The course includes individual research and oral presentation. Biological theory, energetics, biochemistry, molecular biology, genetics, and dissection of representative organisms are major components of the course.

PHYSICAL SCIENCE

Recommended Prerequisite: EARTH/ENVIRONMENTAL SCIENCE

This course deals with a variety of topics such as energy states, energy in waves, electricity and magnetism, chemistry, force and motion, and sound. The nature of heat, sound, and light energy is discovered. The structure of matter and its physical and chemical properties are studied. Emphasis is placed upon learning through experimentations, thus improving the student's ability to be observant and to reason.

CHEMISTRY (Regular or Honors*)

Recommended Prerequisite: MATH III

This course is a junior level course required for all college bound students and an elective for completing science requirements. The first nine weeks of the course includes mechanics of chemistry, molecular concepts, and the structure of matter. Second nine-weeks focuses on behavior of matter, acidity, oxidation, reduction, and electrical potential. Studies also include descriptive materials in nuclear, organic, and analytical chemistry.

CHEMISTRY II (Honors*)

Recommended Prerequisite: MATH III

This course will review and expand the concepts studied in first year chemistry. Current topics in chemistry will also be explored. These topics may include polymers, environmental issues, and instrumental analysis. Emphasis is placed on problem solving, laboratory exercises, and independent study.

PHYSICS (Honors*)

Recommended Prerequisite: MATH III

This course consists of the basic theories of physics, problems concerning these theories, and labs involving these ideas. Topics include mechanics, heat, light, sound, electricity, and nuclear phenomena. This course is designed for students with a strong interest and above average abilities in science. Enrichment activities include field trips, independent studies and laboratory exercises.

ANATOMY & PHYSIOLOGY

Recommended Prerequisite: CHEMISTRY, PHYSICS, BIOLOGY, MATH II

This course is designed for students interested in a profession of Allied Health care such as: nursing, dental assistant, athletic trainers, nutritionist, medical technologist, respiratory therapist, EMT and occupational therapist. Topics include: the body as a whole, support and movement, communication, transportation and defense, nutrition and excretion and reproduction and development.

AP ENVIRONMENTAL SCIENCE

Recommended Prerequisite: EARTH/ENVIRONMENTAL SCIENCE

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP Environmental Science course.

1. Science is a process.
 - Science is a method of learning more about the world.
 - Science constantly changes the way we understand the world.
2. Energy conversions underlie all ecological processes.
 - Energy cannot be created; it must come from somewhere.
 - As energy flows through systems, at each step more of it becomes unusable.
3. The Earth itself is one interconnected system.
 - Natural systems change over time and space.
 - Biogeochemical systems vary in ability to recover from disturbances.
4. Humans alter natural systems.
 - Humans have had an impact on the environment for millions of years.
 - Technology and population growth have enabled humans to increase both the rate and scale of their impact on the environment.
5. Environmental problems have a cultural and social context.
 - Understanding the role of cultural, social and economic factors is vital to the development of solutions.
6. Human survival depends on developing practices that will achieve sustainable systems.
 - A suitable combination of conservation and development is required.
 - Management of common resources is essential.

AP BIOLOGY

Recommended Prerequisite: BIOLOGY, CHEMISTRY

This course is designed to be the equivalent of a college introductory course. The course investigates topics dealing with the scientific background of life. Topics include origin and classification, functions of life, control systems, reproduction, heredity and adaptation. A substantial laboratory component is an integral part of this course. All students are expected to take the AP Biology exam.

SOCIAL STUDIES

<u>Current Social Studies Graduation Requirements</u>	<u>Proposed Social Studies Graduation Requirements for Entering Grade 9 in 2020-21</u>
World History (WH)	World History (WH)
American History I (AH 1)	American History (AH)
American History II (AH 2)	Economics and Personal Finance (EPF)
American History: Founding Principles, Civics and Economics (AHFPCE)	Founding Principles of the United States of America and North Carolina: Civic Literacy (FPUSANCCL)

WORLD HISTORY (Regular or Honors*)

This semester course will address six (6) periods in the study of World History, with a key focus of the study from the mid-15th century to present. Students taking this course will study major turning points that shaped the modern world. Students taking this course are expected to have a firm foundation in the themes and tools of geography and early, ancient and classical civilizations from their K –8 experiences.

ADVANCED PLACEMENT WORLD HISTORY

Recommended Prerequisite: WORLD HUMANITIES (Honors*)

Advanced Placement World History offers examinations in World History to students who wish to complete studies in secondary school equivalent to an introductory college course in world history. The purpose of this course is to develop greater understanding of the evolution of global processes and contacts and interaction among different types of human societies. At the completion of this course, students will be required to take the Advanced Placement Exam. This course may be taken to meet the World History graduation requirement.

AMERICAN HISTORY: THE FOUNDING PRINCIPLES, CIVICS, AND ECONOMICS (Regular or Honors*)

This semester course will provide a framework for understanding the basics of democracy, established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The course is organized under three strands – Civic and Government, Personal Financial Literacy and Economics.

AMERICAN HISTORY I: THE FOUNDING PRINCIPLES (Regular or Honors*)

This course will begin with the Founding Principles and will begin with the European exploration of the new world through Reconstruction. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U. S. Constitution. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras.

AMERICAN HISTORY II: THE FOUNDING PRINCIPLES (Regular or Honors*)

Recommended Prerequisite: AMERICAN HISTORY I

This course will guide students from the late nineteenth century through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. Students will learn about the change in the ethnic composition of American Society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power.

TURNING POINTS IN AMERICAN HISTORY (Honors*)

Recommended Prerequisite: AMERICAN HISTORY I

This course will emphasize in greater depth, 10 – 15 key turning points in American History. Their turning points would be events in our nation's history, caused by , and subsequently to, major social, cultural, political, and economic events. A major element of each turning point should be an understanding of historical methods and the use of historical inquiry. Students will be required to create, evaluate and analyze topics in United States History. Students will be required to do in-depth research in this course.

ADVANCED PLACEMENT U.S. HISTORY

This course is designed to provide students with the analytical skills and enduring understanding necessary to deal critically with the problems and materials in United States history. This program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full year introductory college courses.

ADVANCED PLACEMENT HUMAN GEOGRAPHY

This course is designed to provide students with an introduction to the systematic study of patterns and processes that have shaped human understanding, use, and alterations of Earth's Surface. Student's learn to employ spatial concepts and landscape analysis to examine human socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

ADVANCED PLACEMENT GOVERNMENT & POLITICS

This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments.

SOCIOLOGY (Regular or Honors*)

This course is a study of social institutions, their origins, their changes, and the issues confronting them. Focus is on such concepts as socialization, social institutions, social stratification and social change.

LATINO AMERICAN STUDIES

This elective course is a study of the relationship between the people and culture of Latin America and the United States. The course will examine the cultural and ethnic distinctions that exist between Latin American cultures, as well as discuss current events and issues that Latin American countries face.

AP PSYCHOLOGY

Recommended Prerequisite: Psychology Honors

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This class will also include understanding the ethics and methods psychologists use in their science and practice.

WORLD HUMANITIES (Honors*)

This course will demonstrate the way that human beings historically create and share meaning as individuals, communities and as cultures through what they document and produce. The integrated study of the humanities offers content and skills necessary for and engaged global citizens. Students will recognize enduring human problems and become more culturally sensitive to all of humanity.

AMERICAN HISTORY (Regular or Honors*)

Providing a foundation to understand our nation's past and present, the American History course begins with the end of the French and Indian War in 1763 and continues through the most recent presidential election. This course will explore the overarching themes, trends, and concepts of our nation's history, including the development and evolution of the American system of government, the patterns and impact of migration and immigration, cultural development through the arts and technological innovations, relationships with foreign nations, and the role of both the individual and diverse groups in building the American story. Rooted in Inquiry based skills, students will trace American development while

learning to craft compelling questions, synthesize and evaluate evidence, develop claims, communicate ideas, and take informed action. As well-rounded, productive citizens, the students will leave the American History course with both the knowledge and the skills to engage with the modern world by recognizing contemporary patterns and connections. This course replaces American History I & II for students who begin their freshman year in the 2020-2021 academic year or beyond.

FOUNDING PRINCIPLES OF THE UNITED STATES AND NORTH CAROLINA: CIVIC LITERACY (Regular or Honors*)

Civic Literacy is the study and understanding of citizenship and government. Through the Inquiry-based C3 Framework, this one semester course provides students with a sound understanding of civic life, politics, and government, including a short history of government's foundation and development in the United States of America. Students learn how power and responsibility are shared and limited by the government, the impact American politics has on world affairs, law in the American constitutional system, and the rights that the American government guarantees its citizens. Students also examine how the world is organized politically and how to be an active participant in the American and global political systems. Students will study the foundations of American democracy and the origins of American government. The roles of political parties, campaigns & elections, public opinion, and the media will be analyzed to determine their effects on the individual and all who call the United States home. This course is a graduation requirement for students who begin their freshman year in the 2020-2021 academic year or beyond.

ECONOMICS AND PERSONAL FINANCE (Regular or Honors*)

Economics and Personal Finance provides students with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society. The course was developed in accordance with Session Law 2019-82 to "provide instruction on economic principles and ... provide personal financial literacy instruction." Ultimately, students taking this course will understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students will be introduced to key concepts from both micro and macroeconomics, as well as financial literacy concepts such as the cost of credit, planning and budgeting for large purchases, home mortgages, and college expenses, and other relevant financial literacy issues. This course is a graduation requirement for students who begin their freshman year in the 2020-2021 academic year or beyond.

World Religions (Regular or Honors*)

World Religions is an elective course which will analyze a historical, social, political, and economic lens of different religions. Students will understand the connection between religion and society, and the many ways these two ideas are intertwined. By looking at both the origins of religion and our modern world, students will have a fuller understanding of the beliefs, culture, and conflict surrounding the religions of the world.

SECOND LANGUAGES

SPANISH I

This course emphasizes the development of cultural understanding, speaking, and comprehension skills. Reading and writing skills are based on what is first learned orally.

SPANISH II

Recommended Prerequisite: SPANISH I

This course places emphasis on the development of comprehension & speaking skills with stress placed on correct pronunciation, intonation, reading, & writing. Whenever possible, Spanish is the language of the classroom. The study of culture/geography is also expanded.

SPANISH III (Honors*)

Recommended Prerequisite: SPANISH II

This course features a preview of structure previously studied as well as intensive development of conversational skills through oral discussions and improvised situations. Material studied and activities may include the writing of dramatizations of selections read; a survey of Spanish literature; a study of Spanish history, art, and architecture; and research in particular fields of interest.

SPANISH IV (Honors*)

Recommended Prerequisite: SPANISH III

This course enables students to continue to develop the basic structures, vocabulary, and fluency of speech acquired in Levels 1, 2, and 3. Students will study Spanish literature and the cultural aspects of Spanish speaking peoples through reading and listening to physical aspects of Spanish speaking countries and their lifestyles in general.

ARTS EDUCATION

BAND BEGINNING

Beginning Band is a performance base class designed for students as a continuation of their middle school band program or the start of high school band. This course helps develop basic instrumental skills such as tone production, balance, intonation, and ensemble playing through the playing of simple band literature. If taking this course during the fall semester, the primary focus is marching band with concerts included. Participation in marching band is strongly encouraged. If taken during the spring semester the focus is concert band. Participation in scheduled school concert rehearsals & performances is required.

BAND INTERMEDIATE

Recommended Prerequisite: BAND BEGINNING

Intermediate Band is a performance based course that continues the development of instrumental skills such as tone Production, balance, intonation, and ensemble playing through the playing of intermediate band literature. If taking this course during the fall semester, the primary focus is marching band with concert included. Participation in marching band is strongly encouraged. If taken during the spring semester, the focus is concert band. Participation in scheduled school concert rehearsals & performances are required.

BAND PROFICIENT (Honors*)

Recommended Prerequisite: BAND INTERMEDIATE

Band Proficient is a performance based course designed to continue the study of fundamentals of music while performing more advanced literature. Aesthetic awareness and technical ability is developed through a variety of performance opportunities. If taking this course during the fall semester, the primary focus is marching band with concert included. Participation in marching band is strongly encouraged. If taken during the spring semester, the focus is concert band. As an Honors Class, extra work will be required such as a project portfolio and all county and district auditions. Participation in scheduled school concert rehearsals and performances is required.

BAND ADVANCED (Honors*)

Recommended Prerequisite: BAND PROFICIENT

Advance Band is a performance based course designed for students in grades 10, 11, and 12. Students continue to study the fundamentals advanced literature with the continuance of Aesthetic awareness and technical ability being developed through a variety of performance opportunities. If taking this course during the fall semester, the primary focus is marching band with concert included. Participation in marching band is strongly encouraged. If taken during the spring semester, the focus is concert band. As an honors class, extra work will be required such as a project portfolio and all county and district auditions. Participation in scheduled school concert rehearsals and performances are required.

BAND ADVANCED V (Honors*)

Recommended Prerequisite: BAND ADVANCED III

Band Advanced IV is a performance based course designed to continue the study of fundamentals of music while performing more advanced literature. Aesthetic awareness and technical ability is developed through a variety of performance opportunities. If taking this course during the fall semester, the primary focus is marching band with concert included. Participation in marching band is strongly encouraged. If taken during the spring semester, the focus is concert band. As an Honors Class, extra work will be required such as a project portfolio and all county and district auditions. Participation in scheduled school concert rehearsals and performances is required.

BAND ADVANCED VI (Honors*)

Recommended Prerequisite: BAND ADVANCED IV

Band Advanced V is designed for students in grade 12. This is an honors class and includes extra requirements such as a project portfolio using technology and class presentations and auditions at all-county and district band. Success in this class requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in-depth study of a variety of advanced music literature. If taking this course during the fall semester, the primary focus is marching band with concert included. Participation in marching band is strongly encouraged. If taken during the spring semester, the focus is concert band. Participation in scheduled school concert rehearsals and performances are required.

DANCE BEGINNING

This course is designed to be an introduction to the art of dance technique, choreography, and performance. Students will be exposed to basic techniques of ballet, tap, jazz and modern as well as simple choreographic structures for individuals and group works. Students will explore improvisational methods, major works and choreographers from the 20th Century to the present, and careers in dance. An understanding of anatomy and kinesiology as well as proper nutrition for dancers will be developed and utilized. Students will be able to make connections between dance, major historical events, and other disciplines. Choreography and performance are required.

DANCE INTERMEDIATE

Recommended Prerequisite: DANCE BEGINNING

This course is designed to further the development of dance technique, choreography, and performance. Students will be exposed to intermediate techniques of ballet, tap, jazz and/or modern. They will establish a personal creative process and create choreography that utilizes a variety of dance forms and theatrical elements to express meaning. Students will employ analysis and critique to assess and refine the performance and choreography of themselves and others. An understanding of anatomy and kinesiology as well as health and wellness strategies for dancers will be utilized. Students will be able to make connections between dance, major economic systems, and other disciplines. Choreography and performance are required components of this class. Teacher recommendation is required.

DANCE PROFICIENT (Honors*)

Recommended Prerequisite: DANCE INTERMEDIATE

This course is designed to further the development of dance technique, choreography, analysis, and performance. Students will be exposed to higher levels of codified dance techniques. They will create complex individual and group choreography that utilizes a variety of music and dance structures in conjunction with theatrical elements to express meaning. Students will employ aesthetic criteria to critique and refine individual and group performance and choreography. Knowledge of anatomy and kinesiology will be integrated into proper dance movement. Students will be able to make connections between dance, US history, and other cultures. Choreography and performance are required. Teacher recommendation is required.

DANCE ADVANCED (Honors*)

Recommended Prerequisite: DANCE PROFICIENT

This course is designed to further the development of dance technique, choreography, analysis, and performance. Students will be exposed to advanced levels of codified dance techniques as well as the works of major 20th and 21st Century choreographers. They will create and perform complex individual and group choreography that utilizes a variety of dance structures and styles in conjunction with theatrical elements to express meaning. Students will employ personal aesthetic criteria to critique and refine performance and choreography. They will employ their knowledge of anatomy and kinesiology to refine their performance. Students will be able to make connections between dance, history, and other cultures. Choreography and performance are required. Teacher recommendation required.

DANCE ADVANCED V (Honors*)

Recommended Prerequisite: DANCE ADVANCE III

This course builds on the advanced dance and choreography techniques developed in Dance Specialization Intermediate. Students will continue their in-depth study of creation and performance, dance movement skills, critique/analysis and

interdisciplinary connections, with an emphasis on production and design. Students will be responsible for serving as the technical director for a dance performance. Students will continue building their digital portfolio in addition to using technology advancements in the field of dance.

DANCE ADVANCED VI (Honors*)

Recommended Prerequisite: DANCE ADVANCE IV

This course builds on the advanced dance and choreography techniques developed in Dance Specialization Proficient. Students will continue their in-depth study of creation and performance, dance movement skills, critique/analysis and interdisciplinary connections, with an emphasis on teaching. Students will be responsible for developing and teaching a unit on a selected dance style. The student will be developing a comprehensive teaching portfolio based on the unit of dance they teach, in addition to a digital choreography and performance portfolio. Teacher recommendation required.

ORCHESTRA BEGINNING

The Strings Specialization Beginning course is intended to introduce advanced musical and string techniques through study and interpretation of orchestra literature. The student's personal, musical, social, and emotional understandings are expressed through an increased control of the instrument. Enrollment is based on instrumentation as determined by the director. Orchestra is performance oriented and attendance at all scheduled activities, rehearsals and performances are required. Orchestra Literature includes grade levels 2, 3, 4, 5, and 6. This course will include new units on advanced instrument technique, chamber music, music history, music theory, and ear training.

ORCHESTRA INTERMEDIATE

Recommended Prerequisite: ORCHESTRA BEGINNING

The Strings Specialization Intermediate Course is intended to continue developing advanced musical and string techniques learned in the Strings Specialization Beginning Course through the study and interpretation of orchestra literature. The student's personal, musical, social, and emotional understandings are expressed through an increased control of the instrument. Enrollment is based on instrumentation as determined by the director. Orchestra is performance-oriented and attendance at all scheduled after-school activities, rehearsals and performances are required. Orchestra Literature includes grade levels -2, 3, 4, 5, and 6. This course will include new units on advanced instrument technique, chamber music, music history, music theory, and ear training.

ORCHESTRA PROFICIENT (Honors*)

Recommended Prerequisite: ORCHESTRA INTERMEDIATE

The Strings Specialization Proficient Course is intended to continue developing advanced musical and string techniques learned in the Strings Specialization Intermediate Course through the study and interpretation of orchestra and solo literature. The student's personal, musical, social, and emotional understandings are expressed through an increased control of the instrument. Enrollment is based on instrumentation as determined by the director. Orchestra is performance-oriented and attendance at all scheduled after-school activities, rehearsals and performances are required. Orchestra Literature includes grade levels -2, 3, 4, 5, and 6. The student will be expected to prepare additional scales, arpeggios and solo repertoire as chosen by the director. This course will include new units on advanced instrument technique, chamber music, music history, music theory, and ear training.

ORCHESTRA ADVANCED (Honors*)

Recommended Prerequisite: ORCHESTRA PROFICIENT (Honors*)

The Orchestra Advanced course is intended to introduce advanced musical and string techniques through study and interpretation of orchestra literature. The student's personal, musical, social, and emotional understandings are expressed through an increased control of the instrument. Enrollment is based on instrumentation as determined by the director. Orchestra is performance oriented and attendance at all scheduled activities, rehearsals and performances are required. Orchestra Literature includes grade levels -2, 3, 4, 5, and 6. This course will include new units on advanced instrument technique, chamber music, music history, music theory, and ear training.

ORCHESTRA ADVANCED V (Honors*)

Recommended Prerequisite: ORCHESTRA ADVANCED III

The Orchestra Advanced IV Honors course is intended to continue developing advanced musical and string techniques learned in the Strings Specialization Proficient Course through the study and interpretation of orchestra and solo literature. The student's personal, musical, social, and emotional understandings are expressed through an increased control of the instrument. Enrollment is based on instrumentation as determined by the director. Orchestra is performance-oriented and attendance at all scheduled after-school activities, rehearsals and performances are required. Orchestra Literature includes grade levels -2, 3, 4, 5, and 6. The student will be expected to prepare additional scales, arpeggios and solo repertoire as chosen by the director. This course will include new units on advanced instrument technique, chamber music, music history, music theory, and ear training.

ORCHESTRA ADVANCED VI (Honors*)

Recommended Prerequisite: ORCHESTRA ADVANCED IV (Honors*)

The Strings Specialization Advanced Course is intended to continue developing advanced musical and string techniques learned in the Strings Specialization Proficient Course through the study and interpretation of orchestra and solo literature. The student's personal, musical, social, and emotional understandings are expressed through an increased control of the instrument. Enrollment is based on instrumentation as determined by the director. Orchestra is performance-oriented and attendance at all scheduled after-school activities, rehearsals and performances are required. Orchestra Literature includes grade levels -2, 3, 4, 5, and 6. The student will be expected to prepare additional scales, arpeggios and solo repertoire as chosen by the director. This course will include new units on advanced instrument technique, chamber music, music history, music theory, and ear training.

THEATRE ARTS BEGINNING

This course is designed to build an understanding and knowledge of the fundamentals of the Theater Arts, topics covered include: History, Vocabulary & Language of the Theater, Interpretation of Literature, Fundamentals of Playwriting, Acting and Technical Design & Production (Costumes, Makeup, Sets, Sound, Lighting, Props, and House Management). Theater is a performance based art form; students will be expected to present a series of informal acting exercises in class and students are also required to participate in a formal performance for PSRC Theater Showcase.

THEATRE ARTS INTERMEDIATE

Recommended Prerequisite: THEATER ARTS BEGINNING

This is a performance based course and is designed to build on the skills, understanding, and knowledge acquired in Theater Arts: Beginning, through a more in-depth study at a more rigorous level of each of the areas of Theater Arts. Students are required to participate in a formal performance for PSRC Theater Showcase.

THEATRE ARTS PROFICIENT (Honors*)

Recommended Prerequisite: THEATER ARTS INTERMEDIATE

A continuation of Theater Arts Intermediate, this is a performance based course and is designed for the student to continue to grow and learn how to perform at an advanced level in all areas of Theater Arts. Students are expected to perform at an honors level through independent study, advanced level projects and assuming leadership roles in class and school productions. Students are required to participate in a formal performance for PSRC Theater Showcase.

THEATRE ARTS ADVANCED (Honors*)

Recommended Prerequisite: THEATER ARTS PROFICIENT

A continuation of Theater Arts Proficient Honors, this is a performance based course and is designed for the student to continue to grow and learn how to perform at the highest level in all areas of Theater Arts. Students are expected to perform at an honors level through independent study, advanced level projects and assuming leadership roles in class and school productions. Students are required to participate in a formal performance for PSRC Theater Showcase.

THEATRE ARTS ADVANCED V (Honors*)

Recommended Prerequisite: THEATER ARTS ADVANCED III (Honors*)

Students will further their study at a greater depth and rigor in the selected area of specialization in Theater Arts (Acting, Sets, Lighting, Sound, Costumes, Theatrical Makeup, Props, Play Writing, or Directing/Dramaturgy). This class continues

as an independent study course where students will follow an individualized course of study created by the teacher & student. Students will continue to develop their Portfolio of work suitable for use in college admissions. Students are required to participate in a formal performance for PSRC Theater Showcase.

THEATRE ARTS ADVANCED VI (Honors*)

Recommended Prerequisite: THEATER ARTS ADVANCED IV (Honors*)

Students will further their study at a greater depth and rigor in the selected area of specialization in Theater Arts (Acting, Sets, Lighting, Sound, Costumes, Theatrical Makeup, Props, Play Writing, or Directing/Dramaturgy). This class continues as an independent study course where students will follow an individualized course of study Created by the teacher and student. Students will continue to develop their portfolio of work suitable for use in college admissions. Students are required to participate in a formal performance for PSRC Theater Showcase.

VISUAL ARTS BEGINNING

This course is designed to introduce students to the history and production of art through the investigation of materials, processes, theories, and historical developments. Students will create artwork that reinforces art vocabulary and concepts while utilizing problem solving techniques in drawing, painting, ceramics, printmaking and sculpture processes. Students will be required to keep sketchbooks and to participate in contests and exhibitions.

VISUAL ARTS INTERMEDIATE

Recommended Prerequisite: VISUAL ARTS BEGINNING

This course builds on the technical skills and foundation of knowledge introduced in Beginning Art. Students will continue to develop skills that reinforce art concepts, vocabulary, problem solving and support the investigation of art history research. Intermediate Art is designed to allow more independent choices and solutions to problems in the continued study of various art processes, media, artists, movements and styles.

VISUAL ARTS PROFICIENT (Honors*)

Recommended Prerequisite: VISUAL ARTS INTERMEDIATE

Proficient Art builds on skills from students who have achieved the Intermediate level. Students experience a more in-depth approach to the study of art processes and techniques, aesthetic issues, art criticism and art history. Teachers help students form goals, become familiar with careers, and develop work habits of professionals. Knowledge of the arts in relation to culture, history, other disciplines, and careers will be promoted through visual, verbal and written means. Students will assemble a portfolio based on technical quality, personal style, direction and its intended purpose.

VISUAL ARTS ADVANCED (Honors*)

Recommended Prerequisite: VISUAL ARTS PROFICIENT (Honors*)

Advanced Art is designed for those students who have an interest in exploring art beyond high school. They will be able to develop, clarify, and apply their philosophy of art to create original art in response to the artistic process. Students will develop what they learned in Proficient Art through in-depth, independent, and advanced explorations with media, techniques, processes, and aesthetics. Exceptional initiative, serious involvement, and commitment are expected of the advanced student. A portfolio (built upon work done in Proficient Art) documenting evidence of high quality, a broad base of knowledge, and in-depth understanding of personal art forms are developed and refined. Students take part in planning and installing an exhibition of their work.

VISUAL ARTS ADVANCED V (Honors*)

Recommended Prerequisite: VISUAL ARTS ADVANCED III

Students will utilize advanced skills and techniques in the continued in-depth exploration of their specialization. Students will work independently to study and research within the specialization producing formal products as evidence. Students will use their personal style, philosophy and specialization techniques in the continued development of a professional portfolio. Students will assume leadership roles in the planning of school-based exhibitions.

VISUAL ARTS ADVANCED VI (Honors*)

Recommended Prerequisite: VISUAL ARTS ADVANCED IV (Honors*)

Students will utilize advanced skills and techniques in the mastery level of exploration in their specialization. Students will work independently to study and research within the specialization producing formal products as evidence.

Students will use their personal style, philosophy and specialization techniques in the continued development of a professional portfolio. Students will assume leadership roles in the planning of school-based and community exhibitions.

VOCAL MUSIC BEGINNING

Foundations of singing open to all students in grades 9-12, who are interested in singing and musical performance. Fundamentals of music, vocal techniques, ensemble and performance techniques are included. Performance is a required component and all concert rules are applicable.

VOCAL MUSIC INTERMEDIATE

Recommended Prerequisite: VOCAL MUSIC BEGINNING

This is a mixed performing ensemble for the vocal student who has obtained director's permission and meets all of the prerequisites. Sight reading, theory, notation, and study of the music of various periods and styles will be included. Performance is a required component and all concert rules are applicable.

VOCAL MUSIC PROFICIENT (Honors*)

Recommended Prerequisite: VOCAL MUSIC INTERMEDIATE

This course introduces students to more advanced vocal techniques and independent singing. Sight-reading, theory, notation, and study of the music of various periods and styles will be included. Performance is an important component of this course and all concert rules apply.

VOCAL MUSIC ADVANCED (Honors*)

Recommended Prerequisite: VOCAL MUSIC PROFICIENT (Honors*)

This is an honors level mixed performing ensemble for the vocal student who has successfully auditioned and meets all prerequisites. This course builds on the advanced vocal techniques and independent singing developed in Vocal Music Proficient. Independent and ensemble performance is a required component of this course and all concert rules apply.

VOCAL MUSIC ADVANCED V (Honors*)

Recommended Prerequisite: VOCAL MUSIC ADVANCED III

This course is designed in the same format as Vocal Music Proficient with an additional specific course of study as required by the State Board of Education (ARTS EDUCATION HONORS COURSES STANDARDS, 1995). Students will focus on the use of technology as a composition and performance medium. Individual and ensemble performance is a required component.

VOCAL MUSIC ADVANCED VI (Honors*)

Recommended Prerequisite: VOCAL MUSIC ADVANCED IV (Honors*)

This course is designed in the same format as Vocal Music Advanced with an additional specific course of study as required by the State Board of Education (ARTS EDUCATION HONORS COURSES STANDARDS, 1995). Students will focus on the applications of music and the role of the conductor/director. Conducting performance is a required component.

JROTC

****New Course added to ECHS in 2023-2024***

ROTC I

This course is a military oriented academic program supported jointly by the U.S. Army and the public school system. This course stresses the development of good citizenship, leadership, self-reliance, initiative, responsibility, effective communications, and physical conditioning. The following areas are covered in this course: Organization of the Armed Forces and ROTC, American Military History, weapon safety and marksmanship, leadership development and drill, hygiene and first aid.

ROTC II

This course is a continuation of ROTC I with emphasis on leadership development, drill and ceremony. The following areas are covered in this course: Organization of the Armed Forces and ROTC, American Military History, weapon safety and marksmanship, leadership development and drill, hygiene and first aid.

ROTC III

This course is a continuation of ROTC II with emphasis on leadership and small unit leader problems, psychology of Leadership, marksmanship, leader development, and drill. The following areas are covered in this course: Organization of the Armed Forces and ROTC, American Military History, weapon safety and marksmanship, leadership development and drill, hygiene and first aid.

ROTC IV

This course is a continuation of Junior ROTC III with intense emphasis on leadership development, marksmanship and weaponry. The following areas are covered in this course: Organization of the Armed Forces and ROTC, American Military History, weapon safety and marksmanship, leadership development and drill, hygiene and first aid.

ROTC V

This course is a continuation of ROTC IV. It is a military oriented academic program supported jointly by the U.S. Army and the public school system. This course stresses the development of good citizenship, leadership, self-reliance, initiative, and responsibility, effective communications, and physical conditioning. The following areas are covered in this course: Organization of the Armed Forces and ROTC, American Military History, weapon safety and marksmanship, leadership development and drill, hygiene and first aid.

ROTC VI

This course is a continuation of ROTC V with emphasis on leadership development, drill and ceremony. The following areas are covered in this course: Organization of the Armed Forces and ROTC, American Military History, weapon safety and marksmanship, leadership, development and drill, hygiene and first aid. This course is a continuation of ROTC V with emphasis on leadership and small unit leader problems, psychology of leadership, marksmanship, leader development, and drill.

ROTC VII (HONORS*)

This course is a continuation of Junior ROTC IV (HONORS) with intense emphasis on leadership development, marksmanship and weaponry.

ROTC VIII (HONORS*)

This course is a continuation of Junior ROTC IV (HONORS) with intense emphasis on leadership development, marksmanship and weaponry.

PHYSICAL EDUCATION

HEALTH & PHYSICAL EDUCATION

This course is required for graduation. Students will learn various aspects of both Health & Physical Education. Health concepts will include: mental and emotional health, personal and consumer health, interpersonal relationships, nutrition, and alcohol, tobacco, and other drugs. Physical Education concepts will include: lifelong physical activities, individual and team sports, sport and health components of fitness, and leadership skills.

PHYSICAL FITNESS I

This course will address a variety of topics related to health and physical fitness. It will focus on developing and testing strength, endurance, speed, agility, and flexibility. Students will gain self-confidence as they participate in calisthenics, running, weight training, plyometrics, and stretching. participate in an exercise program that will improve overall physical health. Activities will include learning how to assess personal health and fitness level.

TEAM SPORTS I

This course is designed to include the development of general personal fitness, and active participation in team sports such as basketball, soccer, flag football, lacrosse, volleyball, and softball. Activities are equally divided within the total weeks of instruction. This course includes the history, rules, and terminology with an emphasis in skill development, officiating, game strategies, and leadership.

TEAM SPORTS II

Recommended Prerequisite: TEAM SPORTS I

This course is designed to include the development of a greater in depth knowledge, the application of personal fitness skills, and the demonstration of more advanced team sport skills. Refer to the Team Sports I course description for a general listing of activities for this elective.

LIFETIME SPORTS I

Recommended Prerequisite: PHYSICAL FITNESS I

This course is designed to include the development of general personal fitness, and active participation in lifetime sports such as golf, tennis, badminton, table tennis, bowling, archery, racquetball, and pickleball. Activities are equally divided within the total weeks of the semester. This course includes the history, rules, and terminology with an emphasis in skill development, game strategies, and safety.

LIFETIME SPORTS II

Recommended Prerequisite: Lifetime Sports I

This course is designed to include the development of a greater knowledge and application of personal fitness development, demonstration of more advanced skills in lifetime sports. Activities are equally divided within the total weeks of the semester.

WEIGHT TRAINING AND CONDITIONING I

This course is designed for the novice weight-training student. It will involve introductory techniques of weight training and cardiovascular conditioning, safety precautions, injury prevention, and other methods of weight management. The major focuses are general muscle toning and achieving total fitness. The development of a personal fitness program is a part of this course.

WEIGHT TRAINING AND CONDITIONING II

This course is designed to improve muscular strength and power through progressive weight training techniques. More advanced coursework on the principles of cardiovascular fitness and strength development are a part of this course. This course includes techniques and skills as well as alternative strategies for developing overall strength and conditioning. The refinement of the student's personal fitness plan is included in this course.

WEIGHT TRAINING AND CONDITIONING III (HONORS*)

Recommended Prerequisite: Weight Training and Conditioning II

This course is for students interested in trying some advanced lifting and exercise techniques which may include: Olympic lifts, plyometric training, and agility and speed workouts. Coursework may include the basic principles of exercise prescription, sports nutrition, exercise testing and evaluation, cardiovascular fitness, and strength development. The course includes techniques and skills as well as alternative strategies for developing overall strength and conditioning. The design and implementation of the student's personal fitness plan is included in this course.

WEIGHT TRAINING AND CONDITIONING IV (HONORS*)

Recommended Prerequisite: Weight Training and Conditioning III

This course is for students interested in trying some advanced lifting and exercise techniques which may include: Olympic lifts, plyometric training, and agility and speed workouts. Coursework may include the basic principles of exercise prescription, sports nutrition, exercise testing and evaluation, cardiovascular fitness, and strength development. The course includes techniques and skills as well as alternative strategies for

developing overall strength and conditioning. The design and implementation of the student's personal fitness plan is included in this course.

***Honors Courses:** The overall purpose of Honors courses is to provide a more rigorous curriculum in which instruction is expanded and special activities focus appropriately on both depth and breadth of content. Instructors place additional emphasis on the application of content within each course and across related disciplines. Honors courses require advanced reading lists, advanced writing assignments, and independent study/projects. Additional activities may include follow-up assignments on enrichment activities and a portfolio collection of work. You may enroll in an Honors course if you possess the appropriate prerequisite courses and choose to participate in this more rigorous course of study.

Career & Technical Education Course Descriptions

AA21 Animal Science I (Regular or Honors*)

This course focuses on animal physiology, breeding, nutrition, health, and best management practices in preparation for an animal science career. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

AA22 Animal Science II-Food Animal (Honors*)

Prerequisite: AA21 Animal Science I

This course focuses on animal physiology, breeding, nutrition, health, and best management practices in preparation for an animal science career. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

AA23 Animal Science II-Companion Animal (Regular or Honors*)

Prerequisite: AA21 Animal Science I

This course focuses on animal welfare, safe handling practices, nutrition, digestion, breeding, grooming, care, classification, and the history of the companion animal industry. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

AA41 Veterinary Assisting (Honors*)

Prerequisite: AA22 Animal Science II-Food Animal or AA23 Animal Science II-Companion Animal

This course provides instruction for students desiring a career in animal medicine. Topics include proper veterinary practice management and client relations, pharmacy and laboratory procedure, advanced animal care, and surgical/radiological procedures. Applied mathematics, science and writing are integrated throughout the curriculum. Advanced FFA leadership will be infused throughout the curriculum to develop the student's ability to work with the public. All aspects of this course will feature hands-on skill sets designed to enhance experiential learning. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are cooperative education, internship, mentorship, service-learning, job shadowing and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Students who wish to take the Veterinary Assisting Exam developed by Texas Veterinary Medical Association to be a Certified Veterinary Assistant (CVA) Level 1 should complete an additional 500 hours of supervised agricultural experience (SAE) during their three animal science courses. Two hundred SAE hours focus on the care and management of animals; will be substantiated by records and conducted under the direct supervision of the agricultural teacher. Hours may be earned any time during the year including summer months. An additional 300 hours of supervised agricultural experience (worked based learning) will be conducted as an internship program in animal medicine under the supervision of a licensed veterinarian or certified veterinary technician who will attest that participating students have mastered a standard set of skills used in animal medicine as identified by the cooperating teacher. Hours may be earned any time during the year including summer months.

AN51 Natural Resources I (Regular or Honors*)

This course provides an introduction to environmental studies, which includes topics of instruction in renewable and non-renewable natural resources, history of the environment, personal development, water and air quality, waste

management, land use regulations, soils, meteorology, fisheries, forestry, and wildlife habitat. English language arts, mathematics, and science are reinforced.

AN52 Natural Resources II (Regular or Honors*)

Prerequisite: AN51 Natural Resources I

This course covers instruction in best management practices in methods of environmental monitoring and conservation, air and water regulations, sampling methodologies, prescribing conservation techniques, and wildlife and forestry management. English language arts, mathematics, and science are reinforced.

AP41 Horticulture I (Regular or Honors*)

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced.

AP42 Horticulture II (Regular or Honors*)

Prerequisite: AP41 Horticulture I

This course covers instruction that expands scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf grass management, and personal development. English language arts, mathematics, and science are reinforced.

AP44 Horticulture II-Landscaping (Honors*)

Prerequisite: AP41 Horticulture I

This course provides hands-on instruction and emphasizes safety skills needed by landscape technicians in the field. Students are instructed in interpreting landscape designs, identifying landscape plants, and planting/maintaining trees, shrubs, and turf. Landscape construction is emphasized in the areas of grading and drainage, irrigation, paver installation, and the use/maintenance of landscape equipment. Current topics discussions provide students an understanding of careers and the employability skills needed to enter the landscape industry. English language arts, mathematics, and science are reinforced.

AS31 Agriculture Mechanics I (Regular or Honors*)

This course develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems and repair needs they will encounter in their chosen agricultural career. Topics include agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, fencing, paints and preservatives, basic metal working, basic agricultural construction skills related to plumbing, carpentry, basic welding, and leadership development. English language arts, mathematics, and science are reinforced.

AS31 Agriculture Mechanics II (Honors*)

Prerequisite: AS31 Agriculture Mechanics I

In this course, the topics of instruction emphasized are non-metallic agricultural fabrication techniques, metal fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, plumbing, concrete and masonry, agricultural power and advanced career exploration/decision making. English language arts, mathematics, and science are reinforced.

AS31 Agriculture Mechanics II-Small Engines (Honors*)

Prerequisite: AS31 Agriculture Mechanics I

This course is provided for the upper-level agricultural mechanics student who wishes to apply the basic knowledge of small engines acquired through on-line Briggs and Stratton training modules delivered by the agricultural education teacher in a shop setting. The course is intended to provide students with experiential learning opportunities as they perform "hands-on" skills specified in the curriculum under the direct supervision of the agriculture teacher. This "learning to do" philosophy will enable students to understand curriculum content so that they may pass the Briggs and

Stratton Competency Exam and receive certification from Briggs and Stratton. English, language arts, mathematics, and science are reinforced.

AU10 Agriscience Applications (Regular or Honors*)

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced.

AU11 Agriculture Production I (Regular or Honors*)

This course focuses on the basic scientific principles and processes related to the production of plants and animals for the food and fiber systems. Topics of instruction include basic understanding of the livestock/poultry industry and its various components, career opportunities, soil science, crop science/agronomy, weed science, basic agricultural machinery and related industry careers, environmental stewardship, and leadership/personal development.

AU12 Agriculture Production II (Regular or Honors*)

Suggested Prerequisite: AU11 Agriculture Production I

This course provides scientific knowledge and technical skills with heavy emphasis on topics including pesticide use and safety, herbicide use and safety, wildlife habitat concerns, irrigation, agricultural equipment technology and safety, global industry issues, career planning, and human resource development.

BA10 Accounting I (Regular or Honors*)

This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on the analysis and recording of business transactions, preparation, and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. Mathematics is reinforced and entrepreneurial experiences are encouraged.

BA20 Accounting II (Honors*)

Prerequisite: BA10 Accounting I

This course is designed to provide students with an opportunity to develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis includes departmental accounting, corporate accounting, cost accounting, inventory control systems, managerial accounting and budgeting, and further enhancement of accounting skills. Mathematics is reinforced and entrepreneurial experiences are encouraged.

BB30 Business Law (Regular or Honors*)

This course is designed to acquaint students with the basic legal principles common to all aspects of business and personal law. Business topics include contract law, business ownership including intellectual property, financial law, and national and international laws. Personal topics include marriage and divorce law, purchasing appropriate insurance, renting and owning real estate, employment law, and consumer protection laws. Social studies and English language arts are reinforced.

BB40 Business Management I (Regular or Honors*)

This course is designed to introduce students to core management concepts. The experience includes how managers plan, organize, staff, and direct the business's resources that enhance the effectiveness of the decision-making process. Students will work through ethical dilemmas and problem-solving situations with customer service while applying academic and critical-thinking skills. English language arts is reinforced.

BB42 Business Management II (Regular or Honors*)

Prerequisite: BB40 Business Management I

This course is designed to enable students to acquire, understand, and appreciate the significance of management to business organizations. Understanding how managers control financial resources, inventory, ensure employee safety, and protect customer data enhances the effectiveness of their decision making. Students will work through ethical dilemmas, practice problem solving, and enhance their teamwork skills. English language arts and mathematics are reinforced.

BF10 Business Essentials (Regular or Honors*)

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

BF21 Financial Planning I (Regular or Honors*)

This course is designed to cover key strategies for wealth building as students learn to evaluate businesses for investment opportunities while incorporating current headlines and trends, financial resources, and stock market simulation. Also students will develop techniques to enhance personal wealth building for a secure financial future. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented with ethical dilemmas and problem-solving situations for which they must apply academic, team-building and critical-thinking skills.

BF22 Financial Planning II (Regular or Honors*)**Prerequisite: BF21 Financial Planning I (Regular or Honors*)**

Students will further develop the fundamental knowledge and skills acquired in the prerequisite course to create a business financial plan; including loans, insurance, taxes, corporate governance, and explore the various risks and returns associated with business activities. Emphasis will be placed on analyzing ethical situations in various aspects of finance in local, national and global business environments. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented with ethical dilemmas and problem-solving situations for which they must apply academic, team-building and critical-thinking skills.

BI12 CompTIA IT Fundamentals (Regular or Honors*)

This course is designed for students to develop knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals, and security. The course is also designed for students to develop the ability to demonstrate knowledge and skills to install software, establish basic network connectivity, identify or prevent basic security risks, explain troubleshooting theory, and provide preventative maintenance for devices. English, language arts, mathematics, and science are reinforced.

CS11 Project Management I (Regular or Honors*)

This course will introduce students to the principles, concepts, and software applications used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The core concepts of scope, time, cost, and integration will be examined during this course.

CS12 Project Management II (Honors*)**Prerequisite: CS11 Project Management I**

This course will develop advanced project management skills. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The facilitating concepts of quality management, human resources, communication management, risk management, procurement management, and stakeholder management will be examined during this course.

FA31 Apparel & Textile Production I (Regular or Honors*)

In this course students are introduced to the apparel and textile industry in the area of design, textiles and apparel engineering. Emphasis is placed on students applying these design and engineering skills to create and produce apparel products. Art, literacy, mathematics, and science are reinforced.

FA32 Apparel & Textile Production II (Regular or Honors*)**Prerequisite: FA31 Apparel & Textile Production I**

Students in this course will gain a deeper understanding of design principles, engineering, fabrication and global needs of an ever-changing apparel and textile industry. The course provides a major focus on textile design, textile science, product construction, global manufacturing, and the apparel/textile market while incorporating and scaffolding prerequisite concepts. Emphasis is placed on application of design and engineering skills used to create, produce, and

prepare a product for market. Students will also gain the entrepreneurial skills necessary for successful marketing and distribution of an apparel product. Art, literacy, mathematics, science, and social studies are reinforced throughout

FE11 Early Childhood Education I (Honors*)

Prerequisite: FE60 Child Development

This two-credit course prepares students to work with children in early childhood education settings. Topics of study include historical, theoretical, and philosophical foundations of the profession, the structure of early childhood programs, connecting appropriate learning activities and teaching strategies to developmental needs of children, inclusive environments, communicating expectations, setting limits, and guiding behavior, as well as personal growth in the field of child development. An internship makes up 50 percent of instructional time. Due to student participation in internships at early childhood centers that are licensed by the Division of Child Development and Early Education, students must be 15 years of age before September 1.

FE12 Early Childhood Education II (Honors*)

Prerequisite: FE11 Early Childhood Education I

This two-credit course allows students to discover characteristics for effective early childhood education activities. Prepare high quality instructional materials and activities for early childhood classrooms. Create engaging lesson plans for children birth to age 12. Gain the knowledge and skills for careers in the early childhood education pathway.

FE60 Child Development (Regular or Honors*)

This course introduces students to responsible nurturing and basic application of child development theory, focusing on prenatal development through children age 5. Areas of study include the effects of family on individuals and society; prenatal development and care; and understanding how children develop physically, cognitively, emotionally, and socially.

FH10 Culinary Arts and Hospitality I (Regular or Honors*)

This course is designed to introduce students to the hospitality and foodservice industry by learning about components of professional practice and building basic knowledge and skills in food preparation, garde manger, baking, and food service operations. The introduction includes students learning food safety, breakfast cookery, salads and sandwiches, quick breads and cookies, and dining room service. Art, English language arts, mathematics, science, and social studies are reinforced.

FH11 Culinary Arts and Hospitality II Application (Regular or Honors*)

Prerequisite: FH10 Culinary Arts and Hospitality I

This course is designed for students to demonstrate their knowledge and skills in basic food preparation, garde manger, baking and foodservice operations by planning and executing the program's school-based enterprise. The experience includes students preparing and selling breakfast items, salads and sandwiches, and quick breads and cookies while applying safety, sanitation, and guest service skills. Arts, English and language arts, mathematics, science, and social studies are reinforced.

FH12 Culinary Arts and Hospitality II Internship (Regular or Honors*)

Prerequisite: FH10 Culinary Arts and Hospitality I

This course is designed for students to demonstrate their knowledge and skills in basic food preparation, garde manger, baking and foodservice operations through mentored work experiences in the food service industry. The experience includes students preparing and selling breakfast items, salads and sandwiches, and quick breads and cookies while applying safety, sanitation, and guest service skills. Arts, English and language arts, mathematics, science, and social studies are reinforced.

FH13 Culinary Arts and Hospitality III (Regular or Honors*)

Prerequisite: FH11 Culinary Arts and Hospitality II Applications or FH12 Culinary Arts and Hospitality II Internship

The course is designed for students to further develop their knowledge and skills through learning about advanced food preparation, garde manger, baking and pastry, and food service operations. The experience includes students learning cooking techniques, food preservation, yeast breads and pastries preparation, human relations management, menu

planning, and food service purchasing and receiving. Arts, English and language arts, mathematics, science, and social studies are reinforced.

FH14 Culinary Arts and Hospitality IV Applications (Regular or Honors*)

Prerequisite: FH13 Culinary Arts and Hospitality III

This course is designed for students to demonstrate their knowledge and skills in advanced food preparation, garde manger, baking and pastry, and foodservice operations by planning and executing the program's school-based enterprise. The experience includes students preparing and selling a variety of meat, poultry, and seafood entrees served with accompaniments and sauces and yeast breads, desserts, and pastries, while applying human relations management, menu planning, and food service purchasing and receiving. Arts, English and language arts, mathematics, science, and social studies are reinforced.

FN41 Food and Nutrition I (Regular or Honors*)

This course examines the nutritional needs of the individual. Emphasis is placed on fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced.

FN42 Food and Nutrition II (Regular or Honors*)

Prerequisite: FN41 Food and Nutrition I

In this course, students experience the intersection of nutrition science and food preparation, while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students learn how to manage food safety; plan and prepare meals for a variety of consumers and clients; and explore the food system and global cuisines. English/language arts, social studies, mathematics, science, technology, interpersonal relationships are reinforced.

FN43 Food Science and Technology (Regular or Honors*)

Prerequisite: FN41 Food and Nutrition I

This course explores the food industry from the farm to the table using skills in food science, technology, engineering, and mathematics. Government regulations, emerging trends, biotechnology, and technological career opportunities from scientists to technicians will be presented. The student examines production, processing, preparation, preservation, and packaging principles along the farm to table continuum. The student begins to understand how food technology affects the food that he/she eats. English language arts, science, social studies, and mathematics are reinforced.

HN43 Nursing Fundamentals & Practicum (Honors*)

Prerequisite: HU42 Health Science II

This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NAI) curriculum and helps prepare students for the National Nurse Aide Assessment (NNAAP). Students who pass the NNAAP become listed on the NC NAI Registry. English language arts, mathematics, and science are reinforced. * Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.0318(i), which requires the ratio of teacher to HN43 Nurse Aide students be 1:10 or less while in the clinical area. DHSR applies this 1:10 ratio to the classroom and laboratory training area. HN43 Nursing Fundamentals is total Nurse Aide 1 training.

HU10 Foundations of Health Science (Regular or Honors*)

This course is designed for students to acquire foundational knowledge pertinent to healthcare professionals. Topics include advancements in healthcare, medical terminology, mathematics used in healthcare, the domains of healthcare, and in-demand healthcare careers. Students will enhance their communication, leadership, and career decision-making skills. English language arts and mathematics are reinforced.

HU40 Health Science I (Regular or Honors*)

This course is developed to focus on human anatomy, physiology, and human body diseases and disorders, and recognizing and responding to first aid emergencies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

HU42 Health Science II (Regular or Honors*)

Prerequisite: HU40 Health Science I

This course is developed to help students expand their understanding of the healthcare industry, including employability skills, safety and infection control procedures, and clinical skills used by allied health professionals. In addition, students will demonstrate their understanding of cardiovascular and respiratory systems by applying BLS CPR skills. Projects, teamwork, and demonstrations serve as instructional strategies to reinforce the curriculum content. English language arts and science are reinforced in this course.

IC00 Construction Core (Regular or Honors*)

This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all of the NCCER curriculum-area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to construction drawings (blueprints), material handling, basic communication skills, and basic employability skills. "Your Role in the Green Environment" is an additional Green module and is "Supplemental. If the decision is made to teach this model, its content will provide students with instruction in the green environment, green construction practices, and green building rating systems. Also it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English language arts and mathematics are reinforced. This course helps prepare students for additional National Center for Construction Education and Research (NCCER) Core certification.

IC11 Masonry I (Honors*)

Prerequisite: IC00 Construction Core

This course covers basic masonry terminology and develops technical aspects of the masonry industry with emphasis on the development of introductory skills to include the introduction to masonry, masonry tools and equipment, measurement, drawings and specifications, mortar procedures, and masonry units and installation techniques. Mathematics and English language arts are reinforced.

IC12 Masonry II (Honors*)

Prerequisite: IC11 Masonry I

This course builds on skills mastered in Masonry I and provides an emphasis on residential plans and drawing interpretation, residential masonry, grout and other reinforcement processes, metalwork in masonry, and the introduction to weatherization. English language arts and mathematics are reinforced.

IC21 Carpentry I (Regular or Honors*)

Prerequisite: IC00 Construction Core

This course is designed for students to develop basic carpentry terminology and technical aspects of carpentry with emphasis on the development of introductory skills to include orientation to the trade, building materials, fasteners, and adhesives, hand and power tools, reading construction drawings, specifications, and layouts, floor system construction procedures, wall systems, and basic stair layout. English language arts and mathematics are reinforced.

IC22 Carpentry II (Honors*)

Prerequisite: IC21 Carpentry I

This course builds on skills mastered in Carpentry I and provides an emphasis on roof framing procedures, roofing applications, thermal and moisture protection, windows and exterior doors installation, exterior finishing, and the introduction to weatherization module. English language arts and mathematics are reinforced.

IC23 Carpentry III (Honors*)

Prerequisite: IC22 Carpentry II

This course builds on skills mastered in Carpentry II and develops advanced technical aspects of carpentry with the emphasis on commercial drawing, cold-formed steel framing construction methods, drywall installations, drywall finishing procedures, doors and door hardware installation, and windows, door, floor, and ceiling trim procedures.

IC41 Electrical Trades I (Regular or Honors*)

Prerequisite: IC00 Construction Core

This course covers basic electrical trades' terminology and develops technical aspects of electrical trades with emphasis on the development of introductory skills, such as residential wiring, electrical installation, and service. Topics include orientation to the electrical trade, electrical safety, introduction to electrical circuits, electrical theory, introduction to the National Electric Code, device boxes, hand bending techniques, raceways and fittings, and introduction to weatherization. English language arts, mathematics, and science are reinforced.

IC42 Electrical Trades II (Honors*)**Prerequisite: IC41 Electrical Trades I**

This course builds on skills mastered in Electrical Trades I and provides an introduction to conductors and cables, construction drawings, residential electric services, test equipment usage, alternating current theory, grounding and bonding techniques, motors theory and application, and electric lighting to structures. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

IC61 Drafting I (Honors*)

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

IC62 Drafting II - Architectural (Honors*)**Prerequisite: IC61 Drafting I**

This course focuses on the principles, concepts of architectural design, and use of Building Information Modeling (BIM), used in the field of architecture. An emphasis is placed on the use of 3D CAD tools in the design and execution of floor plans, foundation plans, wall sections, and elevation drawings. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as REVIT, are essential to this course, and the required method of producing finished drawings. English language arts, mathematics, and science are reinforced.

IV22 Drafting II - Engineering (Honors*)**Prerequisite: IC61 Drafting I**

This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as INVENTOR or SolidWorks, are essential to this course, and the required method of producing finished drawings. Topics include advanced levels of Engineering Drafting and Design, Career Opportunities, Problem Solving, Manufacturing Processes, Parametric- Solid Modeling, Dimensioning and Tolerancing, Working Drawings, and 3D modeling. English language arts and mathematics are reinforced.

II11 Cisco Network Engineering Technology I (Honors*)

This course introduces the architecture, structure, functions, components, and models of the internet and other computer networks. The principles and structure of IP addressing and the fundamentals of ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course uses the Cisco Introduction to Networks curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced.

II12 Cisco Network Engineering Technology II (Honors*)**Prerequisite: II11 Cisco Network Engineering Technology I**

This course describes the architecture, components, and operations of routers and switches for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

This course uses the Cisco Routing & Switching Essentials curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced.

II21 Computer Engineering Technology I (Honors*)

Prerequisite: BI12 CompTIA IT Fundamentals

This course is the first in a two course series that introduces the skills required for entry level PC technicians. It includes objectives in the following four domains, a) PC Hardware, b) Networking c) Mobile devices d) Hardware and networking troubleshooting. English language arts, mathematics, and science are reinforced.

II22 Computer Engineering Technology II (Honors*)

Prerequisite: II21 Computer Engineering Technology I

This course is the second in a two course series that introduces the skills required for entry level PC technicians. It includes objectives in the following five domains, a) Windows operating system, b) Other operating systems and technologies c) Security, d) Software troubleshooting, e) Operational procedures. English language arts, mathematics, and science are reinforced.

II41 Adobe Visual Design I (Regular or Honors*)

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification. English language arts are reinforced.

II42 Adobe Visual Design II (Regular or Honors*)

Prerequisite: II41 Adobe Visual Design I

This course builds on student design and development skills by focusing on longer print production projects as well as more in-depth content and advanced techniques for graphics and layout development. Students continue to produce rich print communications as they focus on effective graphic design, project management, design specifications, and iterative development. Students develop graphic-design and print-production skills that solve specific communication challenges to meet client and audience needs. This course is aligned to the Adobe Certified Associate InDesign certification, and also integrates Adobe Photoshop and Adobe Illustrator skills. English language arts are reinforced.

II45 Adobe Video Design (Regular or Honors*)

Discover the legal, technical, and editorial principles employed in the video industry necessary to understand ethical implications before engaging in a film project. Work collaboratively to conceive, plan, and execute production plans to create audio and video assets. Use Adobe Premiere Pro features to edit audio and video clips to create and publish a range of video products. Gain the knowledge, skills, and credentials necessary for successful discovery and navigation of exciting career possibilities in the Arts, A/V Technology, and Communications cluster.

IL58 Plumbing I (Regular or Honors*)

Prerequisite: IC00 Construction Core

This course is designed for students to develop basic Plumbing terminology and technical aspects of plumbing with emphasis on the development of introductory skills to include Plumbing Safety, Plumbing Tools, Plumbing Math, Plumbing Drawings, Plastic Pipe and Fittings, Copper Tube and Fittings, Cast-iron Pipe and Fittings, Steel Pipe and Fittings, and Plumbing Fittings. English language arts and mathematics are reinforced.

IL59 Plumbing II (Honors*)

Prerequisite: IL58 Plumbing I

This course is designed for students to further develop skills mastered in Plumbing I and provide an emphasis on DWV Systems, Water Distribution Systems, Plumbing Math 2, Reading Commercial Drawings, Structural Penetrations,

Insulating, and Firestopping, Installing and Testing DWV Piping, Installing Roof, Floor, and Area Drains, and Types of Valves. English language arts and mathematics are reinforced.

IL60 Plumbing III (Honors*)

Prerequisite: IL59 Plumbing II

This is designed for students to further develop skills mastered in Plumbing II and develop advanced technical aspects of plumbing with the emphasis on Installing and Testing Water Supply Piping, Installing Fixtures and Valves, Basic Electricity, Installing Water Heaters, and Fuel Gas Systems. The Introduction to Weatherization module is also included in this course as a "Supplemental" Module. English language arts and mathematics are reinforced.

IM61 Welding Technology (Honors*)

This course covers basic industrial and construction welding practices, characteristics, and entry level skills. Topics include safety, tools and equipment, measurement, thermal cutting processes, base metal preparation and shielded metal arc welding (SMAW). Mathematics and science are reinforced.

IM62 Welding Technology II (Honors*)

Prerequisite: IM61 Welding Technology I

This course introduces advanced welding and cutting practices used in industry and construction and emphasizes hands-on experience. Topics include safety, inspection, weld fit-up and testing, metal properties, and shielded metal arc welding (SMAW). Mathematics and science are reinforced.

IM63 Welding Technology III (Regular or Honors*)

Prerequisite: IM61 Welding Technology II

This course is designed to continue the development of advanced welding and cutting practices used in industry and construction and emphasizes hands-on experience. Further emphasis is placed on topics covered in Welding Technology II, and more, such as safety, weld fit-up and testing, metal properties, gas metal arc welding (GMAW), and flux cored arc welding (FCAW). Mathematics and science are reinforced.

IP21 Emergency Medical Technology I (Regular or Honors*)

Prerequisite: English II

This course is aligned to the Emergency Medical Responder certification (EMR) available from the North Carolina Office of Emergency Medical Services. The course includes clinical skills in each area as specified by NC OEMS for successful completion of this certification. Schools should use resources from the community to help deliver instruction to the students. English language arts are reinforced. Students must turn 17 prior to the end of the course to be enrolled in this course per NC OEMS requirements.

IP22 Emergency Medical Technology II (Honors*)

Prerequisite: Emergency Medical Technology I

This course is aligned to the Emergency Medical Technician certification (EMT) available from the North Carolina Office of Emergency Medical Services. The course includes clinical skills in each area as specified by NC OEMS for successful completion of this certification. Schools should use resources from the community to help deliver instruction to the students. English language arts are reinforced. Students must turn 17 prior to the end of the course to be enrolled in this course per NC OEMS requirements.

IP31 Firefighter Technology I

This course covers part of the NC Firefighter certification modules required for all Firefighters in North Carolina. The modules include Orientation, Communications, Health and Safety, PPE, Building Construction, Portable Extinguishers, Fire Behavior, Tools and Forcible Entry, and Loss Control. English language arts are reinforced.

IP32 Firefighter Technology II

Prerequisite: IP31 Firefighter Technology I

This course covers part of the NC Firefighter certification modules required for all firefighters in North Carolina. The modules include: Ladders, Ventilation, Ropes and Knots, Search and Rescue, Water Supplies and Hose and Streams and

Appliances, and Emergency Medical Care. This course prepares students for the North Carolina firefighter certification modules. English language arts are reinforced.

IP51 Emergency Management I (Regular or Honors*)

Prerequisite: IP22 Emergency Medical Technology II or IP32 Firefighter Technology II or IP42 Law & Justice II

This course is the first in a series of courses aligned to the Emergency Management certifications from FEMA and are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professional in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English, language arts are reinforced.

IT11 Automotive Service Fundamentals (Regular or Honors*)

This course introduces automotive safety, basic automotive terminology, system and component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Also careers and various job opportunities in the automotive repair industry will be discussed. As part of the ASE Education Foundation accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements.

IT16 Automotive Service I (Regular or Honors*)

Prerequisite: IT11 Automotive Service Fundamentals

This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing, and basic testing of brakes, electrical systems, drivetrain, engine, HVAC and steering and suspension systems, emphasizing hands-on experience. As part of the ASE Education Foundation accreditation topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts, science, and mathematics are reinforced.

IT17 Automotive Service II (Regular or Honors*)

Prerequisite: IT16 Automotive Service I

This course builds on the knowledge and skills introduced in Automotive Servicing I and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering and suspension systems, emphasizing hands-on experience. As part of the ASE Education Foundation accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts and mathematics are reinforced.

MA52 Marketing Applications (Regular or Honors*)

Prerequisite: MM51 Marketing I or MI21 Fashion Merchandising

In this course, students will apply an understanding of marketing functions and impact of the functions on business decisions. Through problem solving and critical thinking, students will apply knowledge and skills in the areas of customer relations, economics, financial analysis, channel management, marketing-information management, marketing planning, products and services management, and selling. Relative opportunities are available for students to use technology to acquire and use marketing information. English, language arts, and social studies are reinforced

ME11 Entrepreneurship I (Regular or Honors*)

In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.

ME12 Entrepreneurship II (Honors*)

Prerequisite: ME11 Entrepreneurship I

In this course, students continue the development of a business idea and develop an understanding of pertinent decisions to be made for business positioning, financing, staffing, and profit planning. Students acquire in-depth understanding of business regulations, risks, management, and marketing and will develop a business plan. English language arts, mathematics, and social studies are reinforced.

MH31 Sport & Event Marketing I (Regular or Honors*)

In this course, students are introduced to sport and event industries. Students will develop an understanding of marketing, branding, promotion, media, and marketing data as they relate to the sport and event industries.

MH32 Sport & Event Marketing II (Regular or Honors*)**Prerequisite: MH31 Sport & Event Marketing I**

In this course, students will apply their knowledge of promotion and marketing for the sport and event industries. The topics to be covered are the marketing environment, promotional activities, communications, product-mix strategies and financial and economic impacts.

MH42 Hospitality & Tourism (Regular or Honors*)**Prerequisite: MM51 Marketing I or BF10 Business Essentials or MH31 Sport & Event Marketing I**

In this course, students acquire understanding of the economic impact and marketing strategies for hospitality and tourism destinations. Emphasis is on destination complexity, customer relations, economics, legal and ethical responsibilities, safety and security, and tourism promotion. English, language arts, mathematics, social studies and technology are reinforced.

MI21 Fashion Merchandising (Regular or Honors*)

This course is designed to simulate a comprehensive experience of the business of fashion. The experience should bring alive the economics, distribution, promotion, and retail of fashion, and essential strategies of promoting and selling fashion. Upon completion of the course, students should be ready for entry-level fashion retail work or post secondary education. English, mathematics, social studies, and technology are reinforced.

MI31 Sales I (Regular or Honors*)

This course teaches students the basic knowledge around the sales profession. Students will explore careers in selling, personal branding, communication skills, customer service, buying behavior, technology, product knowledge, and the selling process. Project-based learning, English language arts, and social studies are reinforced.

MI32 Sales II (Regular or Honors*)**Prerequisite: MI31 Sales I**

This course teaches students the art of selling and will build on the content from the MI31 Sales I course. Students will further develop their personal brand and will continue to work on communication and customer service skills in addition to learning about pre- and post-sales activities. Students will use role plays to engage in the selling process and will learn to think on their feet. Project-based learning, English language arts, mathematics, and social studies are reinforced.

MM51 Marketing I (Regular or Honors*)

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions, applications, and impact on business operations. English language arts, mathematics, and social studies are reinforced.

WB01 CTE Advanced Studies ANGR	(Regular or Honors*)
WB05 CTE Advanced Studies ARCH	(Regular or Honors*)
WB09 CTE Advanced Studies AAVC	(Regular or Honors*)
WB13 CTE Advanced Studies BMA	(Regular or Honors*)
WB21 CTE Advanced Studies FINA	(Regular or Honors*)
WB29 CTE Advanced Studies HLTH	(Regular or Honors*)
WB33 CTE Advanced Studies HOSP	(Regular or Honors*)
WB37 CTE Advanced Studies HUMA	(Regular or Honors*)
WB41 CTE Advanced Studies INFO	(Regular or Honors*)
WB45 CTE Advanced Studies LAW	(Regular or Honors*)
WB49 CTE Advanced Studies MANU	(Regular or Honors*)
WB53 CTE Advanced Studies MRKT	(Regular or Honors*)
WB57 CTE Advanced Studies STEM	(Regular or Honors*)
WB61 CTE Advanced Studies TRAN	(Regular or Honors*)

Prerequisite: Two technical credits in one Career Pathway

This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Pathway. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills. Competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

WB03 CTE Internship ANGR	(Regular or Honors*)
WB07 CTE Internship ARCH	(Regular or Honors*)
WB11 CTE Internship AAVC	(Regular or Honors*)
WB15 CTE Internship BMA	(Regular or Honors*)
WB23 CTE Internship FINA	(Regular or Honors*)
WB31 CTE Internship HLTH	(Regular or Honors*)
WB35 CTE Internship HOSP	(Regular or Honors*)
WB39 CTE Internship HUMA	(Regular or Honors*)
WB43 CTE Internship INFO	(Regular or Honors*)
WB47 CTE Internship LAW	(Regular or Honors*)
WB51 CTE Internship MANU	(Regular or Honors*)
WB55 CTE Internship MRKT	(Regular or Honors*)
WB59 CTE Internship STEM	(Regular or Honors*)
WB63 CTE Internship TRAN	(Regular or Honors*)

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

WB02 CTE Apprenticeship ARCH	(Regular or Honors*)
WB10 CTE Apprenticeship AAVC	(Regular or Honors*)
WB14 CTE Apprenticeship BMA	(Regular or Honors*)
WB22 CTE Apprenticeship FINA	(Regular or Honors*)
WB30 CTE Apprenticeship HLTH	(Regular or Honors*)
WB34 CTE Apprenticeship HOSP	(Regular or Honors*)
WB38 CTE Apprenticeship HUMA	(Regular or Honors*)
WB42 CTE Apprenticeship INFO	(Regular or Honors*)
WB46 CTE Apprenticeship LAW	(Regular or Honors*)
WB50 CTE Apprenticeship MANU	(Regular or Honors*)
WB54 CTE Apprenticeship MRKT	(Regular or Honors*)
WB58 CTE Apprenticeship STEM	(Regular or Honors*)
WB62 CTE Apprenticeship TRAN	(Regular or Honors*)

Prerequisite: Two technical credits in one Career Pathway

Students who participate in apprenticeships or pre-apprenticeships through Apprenticeship NC and the North Carolina Department of Labor can also earn CTE credit while they earn hours and experience toward an adult apprenticeship leading to a completed journeyman certificate.

OTHER COURSES

AP COMPUTER SCIENCE A

Recommended Prerequisite: English II & NC Math II

This course is an introductory course in computer science. The major theme of this course and goals are comparable to those in the introductory course for computer science majors offered in many college and university computer science departments. The following goals apply to the AP Computer Science A course. Students should be able to:

- Design, implement, and analyze solutions to problems
- Use and implement commonly used algorithms
- Use standard data structures
- Develop and select appropriate algorithms and data structures to solve new problems
- Write solution fluently in an object-oriented paradigm
- Write, run, test, and debug solutions in the Java programming language, utilizing standard Java library classes and interfaces from the AP Java subset
- Read and understand programs consisting of several classes and interacting objects
- Understand the ethical and social implications of computer use.

ENGLISH AS A SECOND LANGUAGE (ESL) IA

The purpose of this course is to introduce non-English proficient students to the English language. It will provide students with basic skills in listening, speaking, reading, and writing through a whole language approach. Cultural similarities as well as differences are studied. Student assessment in all four language skills will determine eligibility. Does not replace regular English courses.

ENGLISH AS A SECOND LANGUAGE (ESL) IB

Recommended Prerequisite: ESL IA

This course is a continuation of ESL I-A. It provides limited English proficient students with intermediate skills in listening, speaking, reading, and writing. Increased progress in all four communication skills, vocabulary development, grammatical structure, literature, and culture are emphasized. Placement will be based on a student's mastery of skills in ESL I. End-of-year student assessment in all four language skills will determine if a student will exit the program. Does not replace regular English courses.

ENGLISH AS A SECOND LANGUAGE (ESL) IIA

Recommended Prerequisite: ESL IB

This course is a continuation of ESL I-B. It provides limited English proficient students the opportunity to continue progress in all four communication skills. End-of-year student assessment in all four language skills will determine if a student will exit the program. Does not replace regular English courses.

ENGLISH AS A SECOND LANGUAGE (ESL) IIB

Recommended Prerequisite: ESL IIA

This course is a continuation of ESL II-A. It provides limited English proficient students the opportunity to continue progress in all four communication skills. End-of-year assessment in all four language skills will determine if a student will exit the program. Does not replace regular English courses.

LIBRARY/MEDIA ASSISTANT

This course offers information skills instruction in the library media organization and procedures. Emphasis will be placed on information retrieval, lifelong learning and technology proficiency. Students participating in the course will play an invaluable role in designing the program and extra activities and in the selecting of resources.

FRESHMAN SEMINAR

Academic planning and support topics such as study skills, social skills, citizenship, and college planning are covered. Schools may focus on specific topics to address identified student needs. This course is designed to foster the academic and social development of students for the transition from middle to high school. Topics include but are not limited to the following: organizational skills, time management, reinforcement of English skills, and career planning. Students in this course read Sean Covey's Seven Habits of Highly Effective Teens.

TEACHING AS A PROFESSION I (Honors*)

This innovative course offers an activity-based curriculum for high school juniors and seniors. The course is designed to promote a better understanding and create interest in those students who are considering teaching as a profession. It details many components of the education environment and involves students in content, application, observations and teaching. Students who take this class must be trustworthy, mature, and responsible due to the nature of the course. The students will be responsible for lesson planning, communication, project planning and implementation, and many other responsibilities of teachers. Students will travel to various schools for clinical work. They will also assist in a variety of community events that promote children in our county. Since these students play a unique and important role in our community, it is important that they be able to demonstrate responsibility in and out of the classroom. Students who take Teaching as a Profession I are expected to enroll in Teaching as a Profession II in 2023. There can be an interview process as well as recommendations needed.

TEACHING AS A PROFESSION II Fall 2023 (Honors*)

This innovative course offers an activity-based curriculum for high school juniors and seniors. The course is designed to promote a better understanding and create interest in those students who are considering teaching as a profession. It details many components of the education environment and involves students in content, application, observations and teaching. Students who take this class must be trustworthy, mature, and responsible due to the nature of the course. The students will be responsible for lesson planning, communication, project planning and implementation, and many other responsibilities of teachers. Students will travel to various schools for clinical work. They will also assist in a variety of community events that promote children in our county. Since these students play a unique and important role in our community, it is important that they be able to demonstrate responsibility in and out of the classroom. Students who take Teaching as a Profession I are expected to enroll in Teaching as a Profession II to be implemented as a 2-period course with an internship in Fall 2023. There can be an interview process as well as recommendations needed.

STUDENT LEADERSHIP (Honors*)

This leadership class will require you to plan, implement and evaluate projects. In doing so, you will be using both problem-solving and leadership skills. You will be challenged to understand your role in leadership and to identify ways in which you interact with others. This class is not designed to be an “easy grade.” You have signed on to a commitment of time in the classroom, school and community. We will be actively studying leadership by examining communication, organization, goal-setting, decision making and motivation.

JOBS FOR AMERICA’S GRADUATES

Jobs for America’s Graduates creates business, industry and education partnerships to ensure that high school students remain in high school, attain employability skills through classroom and work-based learning experiences during high school, graduate and receive twelve (12) months of follow-up services by the JAG Specialist.

JOURNALISM I

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school newspaper. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design. Note: LHS provides a news TV show for this course.

JOURNALISM II

Recommended Prerequisite: JOURNALISM I

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school newspaper. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

JOURNALISM III

Recommended Prerequisite: JOURNALISM II

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school newspaper. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

JOURNALISM IV

Recommended Prerequisite: JOURNALISM III

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school newspaper. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

JOURNALISM/YEARBOOK I (Honors*)

Recommended Prerequisite: Application required before registration

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school yearbook. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

JOURNALISM/YEARBOOK II (Honors*)

Recommended Prerequisite: Application required before registration

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school yearbook. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

JOURNALISM/YEARBOOK III (Honors*)

Recommended Prerequisite: Application required before registration

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school yearbook. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

JOURNALISM/YEARBOOK IV (Honors*)

Recommended Prerequisite: Application required before registration

This course involves the study of responsible journalism, news printing and news gathering techniques; these skills culminate in actual production of a school yearbook. Students will be required to write on a daily basis and should have a strong foundation in writing skills. Students are required to learn layout and design.

SUCCESS 101

This course is designed to help students be successful in school and in life. Topics covered include study skills, self-assessment, interpersonal relationships, problem solving, and career planning.

STRATEGIES FOR SUCCESS 9-1

STRATEGIES FOR SUCCESS 10-1

STRATEGIES FOR SUCCESS 11-1

STRATEGIES FOR SUCCESS 12-1

STRATEGIES FOR SUCCESS 9-2

STRATEGIES FOR SUCCESS 10-2

STRATEGIES FOR SUCCESS 11-2

STRATEGIES FOR SUCCESS 12-2

This course focuses on developing study habits, skills, and attitudes to enable identified special education students achieve successfully in the regular classroom. Study skills are presented theoretical and applied practically to completion of projects, assignments, and test-taking. The course integrates study skills, learning styles, problem solving, and communication skills to enable students to independently and successfully meet requirements in the regular education classroom. May be repeated for credit.

EXTENDED CONTENT STANDARDS

ENGLISH/LA I

The alternate achievement standards for students with the most significant cognitive disabilities which will reflect materials that should demonstrate a clear link to the content standards for the grade in which the student is enrolled to the Common Core State standards. Throughout the Standards descriptors such as, describe, answer, ask, name, etc, should be interpreted to mean that the student will be taught and tested according to their usual mode of communication. Through the anchor standards of reading (literature), reading (informational text), writing, speaking and listening and language the learner will express reflections and reactions to print and non-print text and personal

experiences, explain meaning, describe processes, and answer research questions to inform an audience. The learner will demonstrate understanding of various literary genres, concepts, elements and terms.

ENGLISH/LA II

The alternate achievement standards for students with the most significant cognitive disabilities which will reflect materials that should demonstrate a clear link to the content standards for the grade in which the student is enrolled to the Common Core State standards. Through the anchor standards of reading (literature), reading (informational text), writing, speaking and listening and language the learner will react to and reflect upon print and non-print text and personal experiences by examining situations from both subjective and objective perspectives, evaluate problems, examine cause/effect relationships, and answer research questions to inform an audience. The learner will demonstrate understanding of selected world literature through interpretation and analysis, and will apply conventions of grammar and language usage.

ENGLISH/LA III

The alternate achievement standards for students with the most significant cognitive disabilities which will reflect materials that should demonstrate a clear link to the content standards for the grade in which the student is enrolled to the Common Core State standards. The learner will examine argumentation and develop informed opinions, create and use standards to critique communication.

ENGLISH/LA IV

The alternate achievement standards for students with the most significant cognitive disabilities which will reflect materials that should demonstrate a clear link to the content standards for the grade in which the student is enrolled to the Common Core State standards. The learner will defend argumentative positions on literary and non literary issues, critically interpret and evaluate experiences, literature, language and ideas.

LIFE SCIENCE

The learner will apply safety measures and procedures in a variety of situations in the community and home. The learner will apply skills associated with providing simple first aid and obtaining medical treatment when needed. The learner will apply the skills needed to practice healthful living and good nutrition.

BIOLOGY A

The Alternate Achievement Standards for Students with the Most Significant Cognitive Disabilities Non-Regulatory Guidance states, "...materials should show a clear link to the content standards for the grade in which the student is enrolled, although the grade-level content may be reduced in complexity or modified to reflect pre-requisite skills." Throughout the Standards descriptors such as, describe, classify, identify, compare, etc, should be interpreted to mean that the students will be taught and tested according to their mode of communication. Students will understand the interdependence of living organisms within their environments, and understand the impact of human activities on the environment.

BIOLOGY B

The Alternate Achievement Standards for Students with the Most Significant Cognitive Disabilities Non-Regulatory Guidance states, "...materials should show a clear link to the content standards for the grade in which the student is enrolled, although the grade-level content may be reduced in complexity or modified to reflect pre-requisite skills." Throughout the Standards descriptors such as, Describe, classify, identify, compare, etc, should be interpreted to mean that the students will be taught and tested according to their mode of communication. Students will understand the interdependence of living organisms within their environments, and understand the impact of human activities on the environment.

NC MATH 1 A

The Alternate Achievement Standards for Students with the Most Significant Cognitive Disabilities materials should show a clear link to the content standards for the grade in which the student is enrolled, although the grade level content may be reduced in complexity or modified to reflect prerequisite skills. Throughout the Standards descriptors such as, describe, count, identify, etc, should be interpreted to mean that the students will be taught and tested according to their mode of communication.

NC MATH 1 B

The Alternate Achievement Standards for Students with the Most Significant Cognitive Disabilities Non-Regulatory Guidance states, "...materials should show a clear link to the content standards for the grade in which the student is enrolled, although the grade-level content may be reduced in complexity or modified to reflect pre-requisite skills. Throughout the Standards descriptors such as, describe, count, identify, etc, should be interpreted to mean that the students will be taught and tested according to their mode of communication. The learner will use relations and functions to solve problems, use data, analysis and probability, describe geometric figures in the coordinate plane algebraically.

FINANCIAL MANAGEMENT I

The learner will apply budgeting skills. The learner will understand appropriate methods for personal financial management and independent living. Financial Management is the study of math skills to gain independent living and successful employment. Emphasis is placed on financial planning, financial services, taxes, and wages. Students will apply appropriate methods to establish and maintain checking and savings accounts, loans, credit cards, and debit cards for personal financial management and independent living. They will compare methods of paying bills, debt versus credit, consumer spending, and insurance types. Application of these skills is necessary for independent living and successful employment.

FINANCIAL MANAGEMENT II

The learner will continue applying budgeting skills. The learner will understand appropriate methods for personal financial management and independent living. Financial Management is the study of math skills to gain independent living and successful employment. Emphasis is placed on financial planning, financial services, taxes, and wages. Students will apply appropriate methods to establish and maintain checking and savings accounts, loans, credit cards, and debit cards for personal financial management and independent living. They will compare methods of paying bills, debt versus credit, consumer spending, and insurance types. Application of these skills is necessary for independent living and successful employment.

CIVICS AND GOVERNANCE I

The learner will understand the roles authorities have in enforcing individual rights, rules and laws for common good.

CIVICS AND GOVERNANCE II

The learner will analyze how the government helps and protects its citizens. The learner will understand how democracy depends upon the active participation of citizens.

AMERICAN HISTORY I

This course guides students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution.

AMERICAN HISTORY II

The learner will understand the creation and development of the United States over time. This course guides students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution.

NC VOCATIONAL PREPARATION

This course is designed to allow exploration of interest skills for postsecondary employment opportunities. Students learn necessary skills that will allow them essential components for workplace readiness and career preparation. Student

learning can triangulate systematic instructional data, student work samples and performance events. Student performance data can be best assessed within the context of a portfolio. This will allow for multiple pieces of evidence and documentation of student skills and performance.

HEALTH, SAFETY, AND INDEPENDENT LIVING

This course is designed to make available functional life skills that students require to effectively support participation in curricula, community and recreational/leisure activities. Student learning can be observed through the triangulation of systematic instructional data, student work samples and performance events. Student performance data can be assessed within the context of a portfolio. This will allow for multiple pieces of evidence and a thorough documentation of student skills and performance.

ECONOMIC AND PERSONAL FINANCE

This course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare students to obtain employment in civic ready. The student will understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. The course is intended to be a study of economics, personal finance, income and education, money management, critical consumerism, and financial planning.

FUTURE READY OCCUPATIONAL COURSE OF STUDY

ENGLISH I

The OCS English I course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. This course is strategically aligned with Common Core Standards for English I. Students will gain mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on career readiness, the student will explore, examine, and evaluate a wide variety of modes of expression. Technology skills will be honed through regular use of a variety of web tools and technical processes. Pre-Assessments will be used as diagnostic tools, Completion and Mastery Assignments serve as formative assessment, and Post-Assessments measure mastery. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified English teacher as well as a face-to-face OCS teacher.

ENGLISH II

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. Students will gain mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on global awareness, the student will explore, examine, and evaluate a wide variety of modes of expression. Technology skills will be honed through the course. Pre-Assessments will be used as diagnostic tools, while lessons present the content, and Post Assessments measure mastery. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly qualified English teacher as well as a face-to-face OCS teacher.

ENGLISH III

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. Students will gain mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on global awareness, the students will explore, examine, and evaluate a wide variety of modes of expression. Technology skills will be honed through the course. Pre-Assessments will be used as diagnostic tools, while lessons present the content, and Post

Assessments measure mastery. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly qualified English teacher as well as a face-to-face OCS teacher.

ENGLISH IV

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. Students will gain mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on global awareness, the student will explore, examine, and evaluate a wide variety of modes of expression. Technology skills will be honed through the course. Pre-Assessments will be used as diagnostic tools, while lessons present the content, and Post Assessments measure mastery. This course is designed to be implemented in a blended learning environment with Collaborative instruction delivered by an online highly qualified English teacher as well as a face-to-face OCS teacher.

INTRODUCTION TO MATHEMATICS

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. The OCS Introduction to Mathematics Course teaches the Essential Standards for Introductory Math and prepares the OCS student for OCS Algebra IA. This course blends the best of online and classroom activities. Students learn introductory algebra and other important life-skills in nine engaging units covering working with numbers, fractions and decimals, rates and ratios, time and measurement, working with algebraic expressions, solving equations and inequalities, working with points and lines, working with datasets, and working with basic geometric figures. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways. Pre Assessments and Check Your Knowledge Quizzes will be used as diagnostic tools, lessons present the content, Completion Activities allow the students to practice a skill set, Mastery Assignments measure student understanding, and Remediation Assignments allow students to review. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly qualified high school math teacher as well as a face-to-face OCS teacher. Ideally, the delivery of instruction includes regular computer use as well as time to work on “hands-on” activities.

LOCALLY DEVELOPED MATH (MATH IA)

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. This course blends the best of online and classroom activities. Six engaging units cover topics such as simplifying expressions with exponents, solving equations and inequalities, relations and functions, slope and linear functions, and solving systems of equations and inequalities. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways. Pre-Assessments and Check Your Knowledge quizzes will be used as diagnostic tools, lessons present the content, Completion Activities allow the students to practice a skill set, Mastery Assignments measure student understanding, and Remediation Assignments allow students to review. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified high school math teacher as well as a face-to-face OCS teacher. Ideally, the delivery of instruction includes regular computer use as well as time to work on “hands-on” activities. It is a prerequisite to take the Introductory Mathematics Course before Math I.

NC MATH I

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. This course blends the best of online and classroom activities. Six engaging units cover topics such as simplifying expressions with exponents, solving equations and inequalities, relations and functions, slope and linear functions, and solving systems of equations and inequalities. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways. Pre-Assessments and Check Your Knowledge quizzes will be used as diagnostic tools, lessons present the content, Completion Activities allow the students to practice a skill set, Mastery Assignments measure student understanding, and Remediation Assignments allow students to review. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified high school math teacher as well as a face-to-face OCS teacher. Ideally, the delivery of instruction includes regular

computer use as well as time to work on “hands-on” activities. It is a prerequisite to take the Introductory Mathematics Course before Math I.

FINANCIAL MANAGEMENT

Recommended Prerequisite: MATH I

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. The OCS Financial Management course teaches NC Essential Standards for Financial Management and equips students with the skills needed for independent living. This course blends the best of online and classroom activities. Six engaging units and a final project help students develop an understanding of state and federal income taxes, wages compensation, and the use of credit, different insurance types, budgeting, and consumer spending. Technology skills will be honed throughout the course by working with a graphing calculator and using the computer in a variety of ways. Pre-Assessments and Check Your Knowledge quizzes will be used as diagnostic tools, lessons present the content, Completion Activities allow the students to practice a skill set, Mastery Assignments measure student understanding, and Remediation Assignments allow students to review. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified high school math teacher as well as a face-to-face OCS teacher. Ideally, the delivery of instruction includes regular computer use as well as time to work on “hands-on” activities.

BIOLOGY

This course is intended for Future Ready Occupational Course of Study (OCS) students to develop an understanding of biological processes and discover how life science is an integral part of other sciences and society. Students will have opportunities to engage in hands-on, as well as minds-on activities that are aligned with the biological processes. They will gain an understanding of the cell, molecular basis of heredity, and biological evolution. They will investigate the interdependence of organisms. They will acquire an understanding of the matter, energy and organization in living systems. Technology skills will be honed through the course. Pre-Assessments will be used as diagnostic tools, while lessons delve into the content, and Post-Assessments measure mastery. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified Biology teacher as well as a face-to-face OCS teacher. This collaboration will ensure that activities are differentiated to meet the diverse learning needs of students in this course.

APPLIED SCIENCE

This course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. The OCS Applied Science Course blends the best of online and classroom activities as students learn environmental, physical, and life science concepts in nine engaging units covering human impacts on the environment, energy and its conservation, properties of matter, dangers and uses of common chemicals, force and motion, electricity and magnetism, and the human body systems. Technology skills will be honed through the course. Pre-Assessments will be used as diagnostic tools, while lessons present the content, and Post-Assessments measure mastery. This course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified Science teacher as well as a face-to-face OCS teacher.

AMERICAN HISTORY I

The OCS American History I course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. The course is intended to be taught prior to the OCS American History II course. The OCS American History I course is strategically aligned with the North Carolina Essential Standards for American History I. The course follows the Founding Principles Act and begins with the European Exploration and Colonization of the New World and follows chronologically through Post-Civil War Reconstruction. Students will learn about the important political, social, and economic factors that contributed to the development of colonial America, the onset of the American Revolution, and the results of the Revolution including the founding of the United States government and the drafting of founding documents including the Constitution and the Bill of Rights. Students will also learn about early domestic and foreign policy, westward expansion, reform, immigration, and the cultural variances that have both united and divided America. Students will develop skills essential to competency on state-standard MSLs (Measures of Student Learning). Pre-Assessments will be used as diagnostic tools. Meanwhile, students will work through Bloom’s Taxonomy Hierarchy through completing lesson notes, formative assessments, completion assignments, and they will show mastery of learning through culminating

projects and summative assessments. The course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified Social Studies teacher as well as a face-to-face OCS teacher.

AMERICAN HISTORY II

The OCS American History II course is intended for Future Ready Occupational Course of Study (OCS) students who will be working with both their face-to-face classroom teacher and an NCVPS online teacher. It is a sequel course to OCS American History I. The course is strategically aligned with the North Carolina Essential Standards for American History II. The course follows the Founding Principles Act and begins with late 19th century American History to the 21st century. Students will learn about the important political, social, and economic factors that transformed the ethnic composition of America and America's dependence on evolving technologies. Students will also learn about 19th – 21st century domestic and foreign policy, westward expansion, reform movements, immigration, and the cultural variances that have both united and divided America. Students will develop skills essential to competency on state-standard MSLS (Measures of Student Learning). Pre-Assessments will be used as diagnostic tools. Meanwhile, students will work through Bloom's Taxonomy Hierarchy through completing lesson notes, formative assessments, completion assignments, and they will show mastery of learning through culminating projects and summative assessments. The course is designed to be implemented in a blended learning environment with collaborative instruction delivered by an online highly-qualified Social Studies teacher as well as a face-to-face OCS teacher.

EMPLOYMENT PREPARATION I

This course is designed to teach students skills and promote success in the areas of postsecondary education, employment, and independent living. Instructional emphasis will be placed on the application and generalization of skills to post school environments. The 6 Employability Skills (Communication, Ethics, Problem Solving, Professionalism, Resources Management, Teamwork) adopted by NCDPI have been embedded within the competency goals and objectives throughout the course. The content focus for this course include: employability skills, self awareness, self-determination, self-advocacy, technology, health and safety, career development and planning, personal management, and includes elements of the nature of Science. Students will receive direct instruction in the competency goals and objectives during class time and will be expected to apply appropriate skills within the naturally occurring setting during activities with school-based hours, community-based hours, and paid employment hours required by the GRAD-004 policy to be completed by graduation.

EMPLOYMENT PREPARATION II CITIZENSHIP 1A & 1 B

This course is designed to teach students skills and promote success in the areas of postsecondary education, employment, and independent living. Instructional emphasis will be placed on the application and generalization of skills to post school environments. The 6 Employability Skills (Communication, Ethics, Problem Solving, Professionalism, Resources Management, Teamwork) adopted by NCDPI have been embedded within the competency goals and objectives throughout the course. The content focus for this course include: employability skills, self awareness, self-determination, self-advocacy, technology, health and safety, career development and planning, personal management, and includes themes of Social Studies, Citizenship, and Global Citizenship. Students will receive direct instruction in the competency goals and objectives during class time and will be expected to apply appropriate skills within the naturally occurring setting during activities with school-based hours, community-based hours, and paid employment hours required by the GRAD-004 policy to be completed by graduation.

EMPLOYMENT PREPARATION III CITIZENSHIP 2A & 2B

This course is designed to teach students skills and promote success in the areas of postsecondary education, employment, and independent living. Instructional emphasis will be placed on the application and generalization of skills to post school environments. The 6 Employability Skills (Communication, Ethics, Problem Solving, Professionalism, Resources Management, Teamwork) adopted by NCDPI have been embedded within the competency goals and objectives throughout the course. The content focus for this course include: employability skills, self awareness, self-determination, self-advocacy, technology, health and safety, career development and planning, personal management, and includes themes of Social Studies, Citizenship, and Global Citizenship. Students will receive direct instruction in the competency goals and objectives during class time and will be expected to apply appropriate skills within the naturally occurring setting during activities with school-based hours, community-based

hours, and paid employment hours required by the GRAD-004 policy to be completed by graduation.

EMPLOYMENT PREPARATION IV MATH

This course is designed to teach students skills and promote success in the areas of postsecondary education, employment, and independent living. Instructional emphasis will be placed on the application and generalization of skills to post school environments. The 6 Employability Skills (Communication, Ethics, Problem Solving, Professionalism, Resources Management, Teamwork) adopted by NCDPI have been embedded within the competency goals and objectives throughout the course. The content focus for this course include: employability skills, self awareness, self-determination, self-advocacy, technology, health and safety, career development and planning, personal management, and includes mathematical practices applied and integrated in the employment environment and supporting independent living. Students will receive direct instruction in the competency goals and objectives during class time and will be expected to apply appropriate skills within the naturally occurring setting during activities with school-based hours, community-based hours, and paid employment hours required by the GRAD-004 policy to be completed by graduation.

CAREER EXPERIENCE I (SCHOOL BASED TRAINING I)

*Note: only for students who have not earned all 240 community-based training hours

This course will be an extension to the Occupational Preparation III, which will provide students an opportunity to work toward the required 240 community-based training hours.

CAREER EXPERIENCE II (COMM. BASED TRAINING I)

*Note: only for students who have not earned all 240 community-based training hours

This course will be an extension to the Occupational Preparation III, which will provide students an opportunity to work toward the required 240 community-based training hours.

CAREER EXPERIENCE III (SCHOOL BASED TRAINING II)

*Note: only for students who have not earned all 240 community-based training hours

This course will be an extension to the Occupational Preparation III, which will provide students an opportunity to work toward the required 240 community-based training hours.

CAREER EXPERIENCE IV (COMM. BASED TRAINING II)

*Note: only for students who have not earned all 240 community-based training hours

This course will be an extension to the Occupational Preparation III, which will provide students an opportunity to work toward the required 240 community-based training hours.

OCS Work Hours 2022-2023

Work experience is a research-based strategy for building job readiness skills and improving post-school employment outcomes for students. Therefore, to the greatest degree possible students need the participation in Face-to-Face work experiences. When planning for the work experiences, both within the school building and within the community, please follow the safety requirements established in the NC Governor's Orders, CDC guidance, and local policy and practice to maintain safety of students and staff.

Students appropriate for the Occupational Course of Study learn best from hands-on learning and explicit instruction with opportunities for additional practice and generalization. (see Teachers Resources for Instructional Strategies)

Virtual Instruction Only Students:	Combination of Virtual and Face-to-Face Instruction Students:	Face-to-Face Instruction Only Students:
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<p>If the student is participating in virtual only instruction, the student may follow the virtual options outlined in the resources below.</p> <p>Please note this option should be applied and utilized on the individual student basis and should not apply to the majority.</p>	<p>If the student is participating in a combination of both virtual and Face-to-Face instruction, the student will follow the options outlined in the resources below associated with the type of instruction the student is receiving.</p>	<p>If the student is participating in Face-to-Face only instruction, the student will follow the options as outlined in the resources below. Please note this option will be the same practice your LEA/PSU had in place pre-COVID, except that COVID safety practices will be necessary.</p>
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Resources:

<p><u>Work Hours Virtual Activities and Documentation Tools</u></p>	<p><u>Work Hours Virtual Activities and Documentation Tools</u></p> <p><u>OCS LiveBinder (see Work Hours Requirement tab)</u></p>	<p><u>OCS LiveBinder (see Work Hours Requirement tab)</u></p>
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Robeson County Schools Online Opportunities

PSRC-Online Courses

Earn credit for high school courses via the internet

- * **Enroll in a course that is not available at your local high school**
- * **Recover failed courses**
- * **Enroll in a fifth course for academic advancement and/or early graduation**
- * **Resolve course-scheduling problems at your local high school, and**
- * **Prepare for distance/online learning courses made available and often required at community colleges and universities**

PSRC ONLINE COURSE LIST

ACT/SAT Preparation - 96022X0W

Credit - 1 Unit

Grade Level - 10, 11, 12

Prerequisite - Geometry

This course is designed to improve both the test taking skills and the creative writing ability of students. The course deals with analogies, sentence completion, and reading comprehension, as well as working with algebra, geometry, and quantitative comparisons on both the ACT and SAT. Students are provided practice exercises on both tests, test-taking techniques relevant to each test, and explanations of scoring procedures for better understanding of score reports.

African American Studies - 46012X0W

Credit - 1 Unit

Grade Level - 11, 12

Prerequisite - NONE

This course is designed to provide students with a deeper understanding of African Americans and the significant contributions they have made in economic, political, social and cultural development in the United States.

American Indian Studies - 46022X0W

Credit - 1 Unit

Grade Level - 11, 12

Prerequisite - NONE

This course is designed to provide students with the diverse history and culture of American Indians. Students will be immersed in America's oldest and continuous civilization with a focus on the American Indians of North Carolina.

Earth/Environmental Science - 35012X0W

Credit - 1 Unit

Grade Level - 9, 10, 11, 12

Prerequisite - NONE

This course provides a comprehensive introduction to the scientific study of the planet earth. Students will learn the basic principles underlying the disciplines of geology, meteorology, climatology, oceanography, and astronomy. Emphasis will be placed on in-depth understanding through use of science process skills in analysis of real earth data in laboratory situations.

Earth/Environmental Science (HONORS) - 35015X0W

Credit - 1 Unit

Grade Level - 9, 10, 11, 12

Prerequisite - NONE

This course covers the same goals as Earth/Environmental Science but consists of more in-depth study. An independent research project will be required.

English III - 10232X0W

Credit: 1 Unit

Grade Level: 10

Prerequisite: English II

This course emphasizes the study of American Literature. The fundamentals of language and composition are also integrated within the course. Composition consists of journal writing, essays, book reports, and a research paper.

English III (HONORS) - 10235X0W

Credit - 1 Unit

Grade Level - 11

Prerequisite - English II

This course covers all the goals in English III but consists of more in-depth study. A preparatory course for post-secondary work, the course includes the study of the fundamentals of expository writing with emphasis on analytical essays and research techniques. Vocabulary study, language, and oral written composition are an integral part of the course. Students will complete at least one major documented research paper plus additional independent reading.

English IV - 10242X0W

Credit: 1 Unit

Grade Level: 12

Prerequisite: English III

This course is designed to culminate the basic structures that have been covered in previous years. Efforts will be made to give students an awareness of the important role that the English language plays in society. Emphasis will be placed on writing clear and logical compositions and on research writing. Oral and written communication skills are incorporated in the study of British Literature.

English IV (HONORS) - 10245X0W

Credit - 1 Unit

Grade Level - 12

Prerequisite - English III

This course covers all the goals in English IV but consists of more in-depth study. A preparatory course for post-secondary work, the course offers stylistic patterns of essay organization, narration, and persuasion. Techniques of argumentation are developed through inductive reasoning. Reading, viewing, listening, and speaking skills are incorporated into an in-depth study of English literature by periods. At least two major research papers are required.

Sociology - 44002X0W

Credit - 1 Unit

Grade Level - 11, 12

Prerequisite - NONE

This course is a study of social institutions, their origins, their changes, and the issues confronting them. Focus is on such concepts as socialization, social institutions, social stratification and social change.

Sociology (HONORS) - 44005X0W

Credit - 1 Unit

Grade Level - 11, 12

Prerequisite - NONE

This course covers all the goals of Sociology but consists of more in-depth study of social institutions, their origins, their changes, and the issues confronting them. Focus is on such concepts as socialization, social institutions, social stratification, and social change.

Spanish I - 11412X0W

Credit - 1 Unit

Grade Level - 9, 10, 11, 12 (Priority will be given to Juniors and Seniors)

Prerequisite - NONE

This course emphasizes the development of cultural understanding, speaking, and comprehension skills. Reading and writing skills are based on what is first learned orally.

Spanish II - 11422X0W

Credit - 1 Unit

Grade Level - 10, 11, 12 (Priority will be given to Juniors and Seniors)

Prerequisite - Spanish I

This course is based on a commitment to the development of the four communication skills: listening, speaking, reading, and writing. Pronunciation which would be acceptable to the native speaker, with grammatical accuracy and adequate fluency, is stressed.

Success 101 - 96102X0W

Credit - 1 Unit

Grade Level - 9, 10, 11, 12

Prerequisite - NONE

This course is designed to help all students be successful in school and in life. Topics covered include study skills, self-assessment, interpersonal relationships, problem solving, and career planning.

World History - 43032X0W

Credit - 1 Unit

Grade Level - 9

Prerequisite - NONE

This course will give students a varied and selected background in World History through a study of the development of various governments and cultures throughout the world. The study begins with early civilizations and continues through recent times. Each civilization studied is examined through its art, architecture, literature, music, and system of beliefs.

World History (HONORS) - 43035X0W

Credit - 1 Unit

Grade Level - 9

Prerequisite - NONE

This course is designed as a preparatory course for college history, covering man and his development from prehistoric times to the present. This course will include all of the goals of World History but in greater depth.

<https://ncvps.org/>

NCVirtual - A Closer Look

NCVPS offers over 150 different courses

Our course offerings include advanced placement, electives, traditional, honors, core, STEM, occupational course of study, flex learning, and English Learners courses.

Our courses are high-quality. NC Virtual ranks **first** among K-12 organizations *in the world* with QM-certified courses. When you see QM Certification Marks on courses or programs, it means they have met QM Course Design Standards or QM Program Review criteria in a rigorous review process. Visit our [QM-certified courses page](#) for a current list.



We help schools across the state expand their own catalogs by offering courses that they might not otherwise be able to offer. For instance, a district might have five students from three different schools who want to take Japanese, but that is not enough demand to hire a Japanese teacher, so in the past, those students would go unserved. Now schools turn to NCVPS to satisfy those enrollment demands.

Having access to NCVPS courses helps students personalize their education with classes that they have a keen interest in. Additionally, students from all parts of the state can now compete equally for college admissions and scholarships.



About NCSSM Connect

NCSSM Connect courses are live, synchronous courses taught by NCSSM faculty to students in their home schools. During class, teachers use group activities and cutting-edge instructional technology to facilitate your active participation, with project-based learning and cross-site collaboration among peers around the state. You will be able to interact with students from the mountains to the coast; allowing you to personalize your learning by sharing real-life experiences and perspectives.

Our NCSSM Connect program allows smaller rural schools to offer AP and honors-level courses that may otherwise be unavailable. We offer courses such as honors aerospace engineering, honors physics, and advanced-level math courses. NCSSM and schools can partner to add courses that meet the diverse academic needs of students. We even have a specialized STEM program for 9th – 10th graders.

What is NCSSM Connect?

NCSSM Connect courses are live, synchronous courses taught by NCSSM faculty to students in their home schools. All NCSSM Connect courses are tuition-free.

What are the benefits to students?

The NCSSM Connect program allows schools across North Carolina to offer AP and honors-level STEM and humanities courses from NCSSM that otherwise would be unavailable. The program offers courses such as Honors Aerospace Engineering, Honors Physics, and Honors African American Studies.

Who can participate?

Registration is open to North Carolina Public Schools. Courses are open to students in grades 9-12.

How do students enroll in courses?

Students/Parents should contact their school's counselor for more information. Only school personnel can register students for classes.



2023-2024 NCSSM Connect Course Schedule

FALL SEMESTER – SYNCHRONOUS COURSES

Block 1	Block 2	Block 3	Block 4
<u>AP US History</u> 8:10AM - 9:20AM Monday - Friday	<u>Honors Genetics & Biotechnology</u> 9:50AM - 11:00AM Monday - Friday	<u>Honors Diseases: Dynamics of Epidemics</u> 12:05PM - 1:15PM Monday - Friday	<u>AP African American Studies</u> 1:30PM - 2:40PM Tuesday & Thursday
<u>Honors Aerospace Engineering</u> 8:00AM - 9:10AM Monday - Friday	<u>Honors Forensic Science</u> 9:50AM - 11:00AM Monday - Thursday	<u>Honors Earth Science Applications</u> 11:40 AM - 12:50PM Monday - Friday	<u>Honors Creative Design for the Web</u> 1:30PM - 2:40PM Monday - Thursday
<u>Honors Global Public Health and Infectious Disease</u> 8:15AM - 9:25AM Monday - Friday	<u>Honors Creative Design for the Web</u> 10:00AM - 11:10AM Monday - Thursday	<u>Honors Genetics and Biotechnology</u> 11:40 AM - 12:50PM Monday - Friday	<u>AP Calculus AB</u> 1:45PM - 2:55PM Monday - Friday
<u>Honors Forensic Science</u> 8:15AM - 9:25AM Monday - Thursday		<u>Honors Tech Art: Intro to Art, Technology, and World-Building in Video Games</u> 12:05PM - 1:15PM Monday, Wednesday & Friday	<u>Honors Race, Ethics, and Leadership</u> 1:30PM - 2:40PM Monday, Wednesday & Friday
<u>Honors Intro to Cybersecurity</u> 8:10AM - 9:20AM Monday, Wednesday & Friday		<u>Honors Physics</u> 11:40 AM - 12:50PM Monday - Friday	

SPRING SEMESTER – SYNCHRONOUS COURSES

Block 1	Block 2	Block 3	Block 4
<u>AP US History</u> 8:10AM - 9:20AM Monday - Friday	<u>Honors 21st Century Media Studies</u> 10:00AM - 11:10AM Monday - Friday	<u>Honors Anatomy and Physiology</u> 12:05PM - 1:15PM Monday - Friday	<u>Honors Global Public Health & Infectious Disease</u> 1:45PM - 2:55PM Monday - Friday
<u>Honors Forensic Science</u> 8:15AM - 9:25AM Monday - Thursday	<u>Honors Aerospace Engineering</u> 9:50AM - 11:00AM Monday - Friday	<u>Honors Entrepreneurial Problem Solving</u> 11:40 AM - 12:50PM Monday - Friday	<u>Honors Connected Computing: Solving Problems with Technology</u> 1:30PM - 2:40PM Monday, Wednesday & Thursday
<u>Honors Genetics & Biotechnology</u> 8:15AM - 9:25AM Monday - Friday	<u>AP Psychology</u> 9:50AM - 11:00AM Monday - Friday	<u>Honors Intro to Artificial Intelligence</u> 11:40 AM - 12:50PM Monday - Friday	<u>Honors Physics</u> 1:30PM - 2:40PM Monday - Friday
<u>Honors Intro to Computer Science & Computational Thinking (Grade 9 ONLY)</u> 8:15AM - 9:25AM Monday - Friday	<u>Honors Intro to Computer Science & Computational Thinking (Grade 9 ONLY)</u> 9:50AM - 11:00AM Monday - Friday		<u>AP Calculus BC</u> 1:45PM - 2:55PM Monday - Friday
<u>Honors Cryptography: Computer Programming & Secret Messages</u> 8:10AM - 9:20AM Monday - Friday	<u>Honors Biomedical Engineering</u> 10:00AM - 11:10AM Monday - Thursday		<u>AP African American Studies</u> 1:30PM - 2:40PM Tuesday & Thursday
<u>AP Computer Science Principles</u> 8:10AM - 9:20AM Monday - Friday			

Honors Genetics & Biotechnology (33605)

Grade Level: 10-12

Prerequisite(s): Completion of Biology I with a B or higher and completion of Math III through your local high school or NCVPS. [Honors Genetics & Biotechnology Course Introduction Video](#)

What do crime scene investigations, agriculture, medicine, conservation biology, and manufacturing have in common? They have all been revolutionized by biotechnology! Almost every day we read about new developments in the rapidly changing fields of genetics and DNA-based biotechnology. In this course, students will first explore classical genetics and then move on to examining the structure and function of DNA and proteins. With state-of-the-art laboratory experiments, students will analyze DNA fingerprints from a crime scene, genetically transform bacteria and investigate their own DNA! Finally, they will survey the applications of biotechnology in many diverse fields and discuss in depth how biotechnology is changing our daily lives and our future. With the decline of traditional manufacturing in North Carolina, biotechnology is positioned to become a vital part of North Carolina's 21st-century economy.

Honors Global Public Health and Infectious Disease (60195)

Grade Level: 10-12

Prerequisite(s): Completion of Language Arts/ English with a grade of "A" through your local high school or NCVPS. [Honors Global Public Health and Infectious Disease Course Introduction Video](#)

This course introduces a range of topics and issues in public health with an emphasis on global public health. Some possible topics of discussion include the health and welfare of women and children in low-income countries, the impact of emerging and re-emerging infectious diseases across the globe, food insecurity and malnutrition, demographic transition and immigration, global fertility and mortality, the stigma of mental health, and occupational health. This course will also address several impactful case studies and controversies in health and biomedical ethics. As public health relies on a number of systems in order to serve diverse populations across the globe, this course will take systems thinking and modeling approach, using authentic performance assessments with students working in teams to apply concepts learned throughout the term. This interdisciplinary course requires complex reasoning and critical thinking skills, extensive use of technology, communication, and problem-solving skills. Strong writing skills are imperative.

Honors Forensic Science (30205)

Grade Level: 10-12

Prerequisite(s): Completion of Language Arts/ English with a grade of "A", completion of Biology I and Math III through your local high school or NCVPS. [Honors Forensic Science Course Introduction Video](#)

This course focuses on the application of basic biological, chemical and physical science principles, and technological practices as it relates to judicial and civil issues. It includes the investigation of fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. In addition, students must incorporate the use of technology, communication skills, language arts, art, family and consumer science, mathematics, and social sciences. Good writing skills are imperative. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Because of potential graphic material in some of the modules, parents are asked to sign a permission slip.

Honors Diseases, the Dynamics of Epidemics (60195)

Grade Level:10-12

Prerequisite(s): N/A

[Honors Diseases, the Dynamics of Epidemics Course Introduction Video](#)

After covering the basics of immunology and pathogens, we will be using a case study approach to study different epidemics. We will be looking at the dynamics of childhood diseases, evolution of drug resistance, digital epidemiology, disease surveillance, vaccinations, and more. By looking at the history of epidemiological response to modern-day public health initiatives, we will analyze individual epidemics for their efficacy and in particular, the many equity issues surrounding those responses. This course will use case studies to promote a seminar-style course filled with discussion, research, and systems thinking.

Honors Introduction to Computer Science & Computational Thinking (96105)

Grade Level: 9th Grade ONLY

Prerequisite(s): N/A

[Honors Introduction to Computer Science & Computational Thinking Course Introduction Video](#)

This course is for 9th-grade students ONLY that are participating in the STEM Scholars program. This survey course covering concepts in computational thinking and computer science is well suited to students that are interested in technology and want to get an overview of how computer science is used in different fields. In this hands-on class with multiple projects, students will learn about the principles of computer science by exploring topics like how algorithms shape our world, Artificial Intelligence, cybersecurity, and programming languages like Python, HTML, CSS, Scratch, and JavaScript. Students will meet mentors, leaders, and historic figures in a wide variety of STEM careers and discuss some of the obstacles they've faced. This class is fun and challenging; students will leave excited about future STEM coursework and possibilities for careers in STEM fields.

COURSE LEARNING OBJECTIVES:

Identify how computer science and computational thinking is used in multiple scientific disciplines and showcase career options. Learn multiple strategies for dealing with complexity and open-ended problem-solving, both personally and in groups, using computational thinking. Apply these methods across disciplines. Create functioning programs that demonstrate an understanding of best practices, including code documentation, using computer programming in multiple languages (Python, Mathematica). Distinguish between hardware and software components, and successfully analyze data in multiple contexts. Students will leave with increased knowledge of computer science and computational thinking, excitement about these disciplines, and increased confidence in tackling high-level STEM coursework in their future classes.

Honors Connected Computing: Solving Problems with Technology (96105)

Grade Level: 10-12

Prerequisite(s): N/A

[Honors Connected Computing: Solving Problems with Technology Course Introduction Video](#)

This interdisciplinary course explores impacts, biases, and potential of technology to impact the world and solve global challenges. In this course, you'll conduct research aimed at developing a theoretical understanding of the history and future of technology with full access to the NCSSM library resources. We'll discuss how access to technology influences the problems we as a society prioritize. We'll challenge some of the ideas that exist about how humans use technology, focusing on the impactful use of technology to make the world a better place. We'll spend time exploring issues like AI and machine learning while defining some of the ways humans can use technological tools to solve global challenges.

Honors Tech Art: Introduction to Art, Technology, and World-Building in Video Games (96105)

Grade Level: 10-12

Prerequisite(s): Interest in video gaming

[Honors Tech Art: Introduction to Art, Technology, and World-Building in Video Games Course Introduction Video](#)

In this semester-long course you'll learn a little something about every artistic and technical element used in the creation of video games. In this survey course, you'll explore the history of video games, video gaming engines, traditional art principles, fundamentals of visual and audio design, and elements of visual storytelling. You'll start by analyzing the artistic design process and by creating original artwork based on your personal interests. You'll also create original sounds, 2D and 3D models, and use elements of AI and machine learning to create new art. Each unit will have both technical and creative challenges, mixing synchronous and asynchronous activities. You will be encouraged to explore your personal interests and create something you are passionate about by identifying real-world issues that need solving, creating solutions to problems through the design process, and ultimately building the type of virtual world you want to see. This course is for anyone who wants to know more about what goes into creating video games and how to create art in 3D spaces.

Honors Creative Design for the Web (96105)

Grade Level: 10-12

Prerequisite(s): N/A

[Honors Creative Design for the Web Course Introduction Video](#)

Have you ever wondered how design decisions are made on your favorite websites? In creative multimedia and web design, you'll have access to 21st-century tools like Adobe creative suite and develop some highly sought-after, marketable skills. You'll learn how the web works and how to make thoughtful decisions while creating a website using responsive design. In this course, you'll also get an introduction to industry-standard tools like HTML, CSS, and JavaScript. Creativity is at the forefront of this course. We'll also spend some time talking about how equity and accessibility impact design decisions. You'll get a chance to talk and ask questions to guest speakers from different fields related to web design. We'll have a lot of fun and make some really cool stuff!

Honors Aerospace Engineering (34055)

Grade Level: 10-12

Prerequisite(s): Completion of Math III or Integrated Math III with a B or higher through your local high school or NCVPS. Students should be able to relate lengths of sides of a triangle to angles using trigonometry.

[Honors Aerospace Engineering Course Introduction Video](#)

This course introduces students to the field of aerospace engineering, engineering design, and the core math and science concepts needed to solve problems related to aerospace and other engineering disciplines. The course is presented with historical context and topics include spatial reasoning, properties of fluids, descriptions of 3-dimensional motion, the mechanics of flight, and basic aero- and thermodynamic principles applied to the design and control of aircraft and spacecraft. Students have opportunities to experiment, calculate, compute, design and build as they explore and solve problems associated with the mechanics of flight, and are encouraged to earn course credit through aerospace-themed projects of their own design.

Honors Biomedical Engineering (60195)

Grade Level: 10-12

Prerequisite(s): Completion of Math II Honors with a B or better, or in Math II with an A through your local high school or NCVPS.

[Honors Biomedical Engineering Course Introduction Video](#)

How are electrical signals from the heart measured outside the body? Is there a way to design high-heel shoes that don't hurt women's feet? How do engineers design heart valves that only allow blood to flow one way? This course introduces students to the different subspecialties of biomedical engineering including bioelectronics and instrumentation, biomaterials, biomechanics, and biochemical. Through written problems, hands-on and design activities, and reviewing literature in the field students explore and experience biomedical engineering principles, the engineering design process, and problem solving and troubleshooting.

Honors African American Studies (46015)

Grade Level: 10-12

Prerequisite(s): N/A

[Honors African American Studies Course Introduction Video](#)

This interdisciplinary course provides an introduction to African American history, literature, and culture. Students examine significant social, political, economic, and religious issues as well as issues of identity in the lives of African Americans from the sixteenth century to the present. In addition to primary and secondary source readings, students explore texts ranging from slave narratives, folktales, and spirituals to the works of past and contemporary writers, artists, musicians, and filmmakers. Through a variety of assignments and activities, students continue to develop their skills in reading, speaking, and research, with special emphasis on the writing process.

Honors Race, Ethics, and Leadership (48005)

Grade Level: 10-12

Prerequisite(s): N/A

[Honors Race, Ethics, and Leadership Course Introduction Video](#)

Students study profiles of leadership in relation to racial justice and equality. They also acquire a knowledge of ethics and apply that knowledge to historical and contemporary issues involving racial identity and racial justice in the United States. Topics addressed in the course include mass incarceration, race-based medicine, eugenics, racial profiling, gerrymandering, stereotype threat, racial privilege, and cultural appropriation. Course materials and activities include readings, discussions, video clips, and guest speakers.

Honors Introduction to Scholarly Research (96105)

Grade Level: 10-11

Prerequisite(s): Students must have completed at least one AP course (in any subject) with a grade of 85 or higher prior to enrolling in this course through your local high school or NCVPS.

[Honors Introduction to Scholarly Research Course Introduction Video](#)

Honors Intro to Scholarly Research is designed around six essential skills of academic and scholarly research and their development—critical thinking and reasoning, critical reading, inquiry and research, constructing persuasive arguments, communicating publicly, and collaboration. This is a foundational course that engages students to explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives of different areas of study in academic research. The course prepares students to investigate research problems in any field of study, but many of the sources used for training come from the fields of science, engineering, and mathematics. This course is required if students want to continue and enroll in the College Board

AP Seminar course in the spring. The fall course focuses on finding, assessing, and paraphrasing/synthesizing professional research, and breaking down a real-world topic into a research problem or question. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course places great emphasis on reading, writing, and presentation both in and out of class. Students can continue into the Advanced Placement Seminar in the spring.

AP Seminar (0A017)

Grade Level: 10-11

Prerequisite(s): Sophomore or Junior standing; Seniors by permission. Completion of Honors Introduction to Scholarly Research with a grade of B or higher through your local high school or NCVPS.

[AP Seminar Course Introduction Video](#)

AP Seminar prepares students for the Advanced Placement Capstone Seminar/Research sequence. Students must have completed the Intro to Honors Scholarly Research course with NCSSM OR the fall semester of a yearlong AP Seminar sequence at their local school. AP Seminar focuses on independent work while students complete an Individual Research Report, Team Multimedia Presentation, and Individual Written Argument. Also, students prepare for the AP Seminar Exam in analyzing arguments, claims, evidence and synthesizing academic sources. In the first half of the semester, students will be working collaboratively toward the completion of a team research project and presentation. For the team based and individual projects, students have flexibility to investigate research problems in many fields of study. While the course includes an AP Exam, a majority of the AP Score is based on written papers and presentations created and submitted in advance. Students ready to join this class are self-motivated, willing to step outside the bounds of their comfort zone, and ready to work hard. You will be making several presentations in front of classes, peers, and potentially professional colleagues. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. This course places great emphasis on reading, writing, and presentation both in and out of class. Completion of AP Seminar allows students to complete AP Research.

Honors Data Science (28005)

Grade Level: 10-12

Prerequisite(s): N/A

[Honors Data Science Course Introduction Video](#)

This course combines three perspectives: inferential thinking, computational thinking, and real-world relevance. Given data arising from some real-world phenomenon, how does one analyze that data so as to understand that phenomenon? The course teaches critical concepts and skills in computer programming and statistical inference, in conjunction with hands-on analysis of real-world datasets, including economic data, document collections, geographical data, and social networks. It delves into social issues surrounding data analysis such as privacy and design.

Honors Physics (34305)

Grade Level: 10-12

Prerequisite(s): Completion of Math III with a C or higher through your local high school or NCVPS.

[Honors Physics Course Introduction Video](#)

This course is a hands-on, inquiry based introductory course which combines both “conceptual” and “mathematical” approaches to learning physics. The course covers mechanics (Newton’s laws of motion and their applications) and will potentially include waves, electricity, and optics. Students will learn to solve real problems by investigating real systems. Investigations will cover physics

topics that are fun and engaging for the students. Students will design experiments, use accurate measuring equipment and construct and test conclusions based on accurate data.

AP Psychology (4A057)

Grade Level: 10-12

Prerequisite(s): Completion of high school biology through your local high school or NCVPS.

[AP Psychology Course Introduction Video](#)

The purpose of Honors Psychology is to introduce students to the study of behavior and mental processes of humans and animals. The course will involve nightly reading assignments, critical thinking questions, vocabulary development, labs, projects and research investigations and experiments. In addition, there will be frequent reading quizzes and unit exams involving both multiple choice and free-response components. The course will cover those topics generally discussed in a college level introductory psychology course. These topics include social psychology, history, careers, theories, research methods, biological bases of behavior, sensation/perception, consciousness, learning, memory, cognition, development, personality, stress, disorders and treatments. Students will learn about the methods and ethical approaches of professional Psychology.

AP Microeconomics (4A047)

Grade Level: 10-12

Prerequisite(s): There are no prerequisite courses, but students should be able to read and comprehend college-level texts and should possess basic arithmetic and graphing skills.

[AP Microeconomics Course Introduction Video](#)

AP Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

AP Macroeconomics (4A037)

Grade Level: 10-12

Prerequisite(s): There are no prerequisite courses, but students should be able to read and comprehend college-level texts and should possess basic arithmetic and graphing skills. Successful completion of AP Microeconomics with a B or better strongly recommended.

[AP Macroeconomics Course Introduction Video](#)

AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

Honors Introduction to Cybersecurity (96105)

Grade Level: 10-12

Prerequisite(s): N/A

Cybersecurity affects every individual, organization, and nation. This course helps build student experience to become responsible digital citizens by focusing on evolving technological environments where students will learn different ways of securing information, including personal, organizational, and national data. Introductory cybersecurity topics covered include digital

citizenship, cryptography, software security, and networking to develop an understanding of the multifaceted career field in cybersecurity.

Honors Introduction to Artificial Intelligence (96105)

Grade Level: 10-12










Prerequisite(s): Completion of Math I or Integrated Math I with a B or higher through your local high school or NCVPS.

[Honors Introduction to Artificial Intelligence](#)







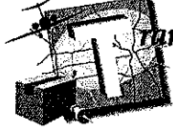
Artificial Intelligence, or AI, enables computer systems to perform tasks that normally require human intelligence, such as visual perception, speech recognition, and decision-making. In this class, students will explore how and what types of data can be collected for AI systems, how computers can “learn” from this data and use what is learned to help interpret the world and make decisions. Students will identify and explore the implications of AI systems currently in everyday use in areas such as social media, mapping software, and financial institutions, and consider the emerging areas where AI will be applied. Topics also include how AI has been portrayed in popular culture, how AI systems interact with humans, and the ethical considerations surrounding potential societal harm from inappropriately designed, trained, and/or applied AI systems. Students have opportunities to experiment and compute as they explore and solve problems associated with AI.



The Sixteen Career Clusters

1  A griculture, Food & 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.
2  A rchitecture & Construction	Careers in designing, planning, managing, building, and maintaining the built environment.
3  A rts, A/V Technology & Communications	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
4  B usiness, Management & Administration	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.
5  E ducation & Training	Planning, managing, and providing education and training services, and related learning support services.
6  F inance	Planning, services for financial and investment planning, banking, insurance, and business financial management.
7  G overnment & Public Administration	Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.
8  H ealth Science	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
9  H ospitality & Tourism	Hospitality and Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, and recreation events and travel-related services.

Career Clusters cont.

10  Human Services	Preparing individuals for employment in career pathways that relate to families and human needs.
11  Information Technology	Building linkages in IT occupations framework for entry-level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.
12  Law, Public Safety, Corrections & Security	Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
13  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.
14  Marketing, Sales & Service	Planning, managing, and performing marketing activities to reach organizational objectives.
15  Science, Technology, Engineering & Mathematics	Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.
16  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.

My top three Career Clusters of interest are:

1. _____
2. _____
3. _____

For more information, check with a career counselor at your high school, career technical center, higher education institution, or one-stop career center.

Career Clusters Interest Survey

Name _____

School _____ Date _____

Directions: Circle the items in each box that best describe you. You may make as many or as few circles in each box as you choose. Add up the number of circles in each box. Look to see which three boxes have the highest numbers. Find the corresponding Career Clusters on the pages immediately following this survey to see which Career Clusters you may want to explore.

BOX 1	Activities that describe what I like to do: 1. Learn how things grow and stay alive. 2. Make the best use of the earth's natural resources. 3. Hunt and/or fish. 4. Protect the environment. 5. Be outdoors in all kinds of weather. 6. Plan, budget, and keep records. 7. Operate machines and keep them in good repair.	Personal qualities that describe me: 1. Self-reliant 2. Nature lover 3. Physically active 4. Planner 5. Creative problem solver	School subjects that I like: 1. Math 2. Life Sciences 3. Earth Sciences 4. Chemistry 5. Agriculture	Total number circled in Box 1 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
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BOX 2	Activities that describe what I like to do: 1. Read and follow blueprints and/or instructions. 2. Picture in my mind what a finished product looks like. 3. Work with my hands. 4. Perform work that requires precise results. 5. Solve technical problems. 6. Visit and learn from beautiful, historic, or interesting buildings. 7. Follow logical, step-by-step procedures.	Personal qualities that describe me: 1. Curious 2. Good at following directions 3. Pay attention to detail 4. Good at visualizing possibilities 5. Patient and persistent	School subjects that I like: 1. Math 2. Drafting 3. Physical Sciences 4. Construction Trades 5. Electrical Trades/Heat, Air Conditioning and Refrigeration/Technology Education	Total number circled in Box 2 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
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BOX 3	Activities that describe what I like to do: 1. Use my imagination to communicate new information to others. 2. Perform in front of others. 3. Read and write. 4. Play a musical instrument. 5. Perform creative, artistic activities. 6. Use video and recording technology. 7. Design brochures and posters.	Personal qualities that describe me: 1. Creative and imaginative 2. Good communicator/good vocabulary 3. Curious about new technology 4. Relate well to feelings and thoughts of others 5. Determined/tenacious	School subjects that I like: 1. Art/Graphic design 2. Music 3. Speech and Drama 4. Journalism/Literature 5. Audiovisual Technologies	Total number circled in Box 3 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;"></div>
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Source: Adapted from the Guidance Division Survey, Oklahoma Department of Career and Technology Education (2005)

Note: This survey does not make any claims of statistical reliability and has not been normed. It is intended for use as a guidance tool to generate discussion regarding careers and is valid for that purpose.

BOX 4	Activities that describe what I like to do: 1. Perform routine, organized activities but can be flexible. 2. Work with numbers and detailed information. 3. Be the leader in a group. 4. Make business contact with people. 5. Work with computer programs. 6. Create reports and communicate ideas. 7. Plan my work and follow instructions without close supervision.	Personal qualities that describe me: 1. Organized 2. Practical and logical 3. Patient 4. Tactful 5. Responsible	School subjects that I like: 1. Computer Applications/Business and Information Technology 2. Accounting 3. Math 4. English 5. Economics	Total number circled in Box 4 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 5	Activities that describe what I like to do: 1. Communicate with different types of people. 2. Help others with their homework or to learn new things. 3. Go to school. 4. Direct and plan activities for others. 5. Handle several responsibilities at once. 6. Acquire new information. 7. Help people overcome their challenges.	Personal qualities that describe me: 1. Friendly 2. Decision maker 3. Helpful 4. Innovative/Inquisitive 5. Good listener	School subjects that I like: 1. Language Arts 2. Social Studies 3. Math 4. Science 5. Psychology	Total number circled in Box 5 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 6	Activities that describe what I like to do: 1. Work with numbers. 2. Work to meet a deadline. 3. Make predictions based on existing facts. 4. Have a framework of rules by which to operate. 5. Analyze financial information and interpret it to others. 6. Handle money with accuracy and reliability. 7. Take pride in the way I dress and look.	Personal qualities that describe me: 1. Trustworthy 2. Orderly 3. Self-confident 4. Logical 5. Methodical or efficient	School subjects that I like: 1. Accounting 2. Math 3. Economics 4. Banking/Financial Services 5. Business Law	Total number circled in Box 6 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 7	Activities that describe what I like to do: 1. Be involved in politics. 2. Negotiate, defend, and debate ideas and topics. 3. Plan activities and work cooperatively with others. 4. Work with details. 5. Perform a variety of duties that may change often. 6. Analyze information and interpret it to others. 7. Travel and see things that are new to me.	Personal qualities that describe me: 1. Good communicator 2. Competitive 3. Service minded 4. Well organized 5. Problem solver	School subjects that I like: 1. Government 2. Language Arts 3. History 4. Math 5. Foreign Language	Total number circled in Box 7 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 8	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work under pressure. 2. Help sick people and animals. 3. Make decisions based on logic and information. 4. Participate in health and science classes. 5. Respond quickly and calmly in emergencies. 6. Work as a member of a team. 7. Follow guidelines precisely and meet strict standards of accuracy. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Compassionate and caring 2. Good at following directions 3. Conscientious and careful 4. Patient 5. Good listener 	School subjects that I like: <ol style="list-style-type: none"> 1. Biological Sciences 2. Chemistry 3. Math 4. Occupational Health classes 5. Language Arts 	Total number circled in Box 8 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 10px auto;"></div>
BOX 9	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Investigate new places and activities. 2. Work with all ages and types of people. 3. Organize activities in which other people enjoy themselves. 4. Have a flexible schedule. 5. Help people make up their minds. 6. Communicate easily, tactfully, and courteously. 7. Learn about other cultures. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Tactful 2. Self-motivated 3. Works well with others 4. Outgoing 5. Slow to anger 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts/Speech 2. Foreign Language 3. Social Sciences 4. Marketing 5. Food Services 	Total number circled in Box 9 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 10px auto;"></div>
BOX 10	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Care about people, their needs, and their problems. 2. Participate in community services and/or volunteering. 3. Listen to other people's viewpoints. 4. Help people be at their best. 5. Work with people from preschool age to old age. 6. Think of new ways to do things. 7. Make friends with different kinds of people. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Good communicator/good listener 2. Caring 3. Non-materialistic 4. Uses intuition and logic 5. Non-judgmental 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts 2. Psychology/Sociology 3. Family and Consumer Sciences 4. Finance 5. Foreign Language 	Total number circled in Box 10 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 10px auto;"></div>
BOX 11	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work with computers. 2. Reason clearly and logically to solve complex problems. 3. Use machines, techniques, and processes. 4. Read technical materials and diagrams and solve technical problems. 5. Adapt to change. 6. Play video games and figure out how they work. 7. Concentrate for long periods without being distracted. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Logic/analytical thinker 2. See details in the big picture 3. Persistent 4. Good concentration skills 5. Precise and accurate 	School subjects that I like: <ol style="list-style-type: none"> 1. Math 2. Science 3. Computer Tech/Applications 4. Communications 5. Graphic Design 	Total number circled in Box 11 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 10px auto;"></div>
BOX 12	Activities that describe what I like to do: <ol style="list-style-type: none"> 1. Work under pressure or in the face of danger. 2. Make decisions based on my own observations. 3. Interact with other people. 4. Be in positions of authority. 5. Respect rules and regulations. 6. Debate and win arguments. 7. Observe and analyze people's behavior. 	Personal qualities that describe me: <ol style="list-style-type: none"> 1. Adventurous 2. Dependable 3. Community-minded 4. Decisive 5. Optimistic 	School subjects that I like: <ol style="list-style-type: none"> 1. Language Arts 2. Psychology/Sociology 3. Government/History 4. Law Enforcement 5. First Aid/First Responder 	Total number circled in Box 12 <div style="border: 1px solid black; width: 60px; height: 40px; margin: 10px auto;"></div>

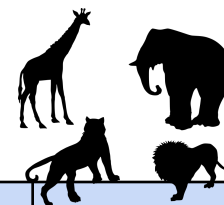
BOX 13	Activities that describe what I like to do: 1. Work with my hands and learn that way. 2. Put things together. 3. Do routine, organized and accurate work. 4. Perform activities that produce tangible results. 5. Apply math to work out solutions. 6. Use hand and power tools and operate equipment/machinery. 7. Visualize objects in three dimensions from flat drawings.	Personal qualities that describe me: 1. Practical 2. Observant 3. Physically active 4. Step-by-step thinker 5. Coordinated	School subjects that I like: 1. Math-Geometry 2. Chemistry 3. Trade and Industry courses 4. Physics 5. Language Arts	Total number circled in Box 13 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 14	Activities that describe what I like to do: 1. Shop and go to the mall. 2. Be in charge. 3. Make displays and promote ideas. 4. Give presentations and enjoy public speaking. 5. Persuade people to buy products or to participate in activities. 6. Communicate my ideas to other people. 7. Take advantage of opportunities to make extra money.	Personal qualities that describe me: 1. Enthusiastic 2. Competitive 3. Creative 4. Self-motivated 5. Persuasive	School subjects that I like: 1. Language Arts 2. Math 3. Business Education/Marketing 4. Economics 5. Computer Applications	Total number circled in Box 14 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 15	Activities that describe what I like to do: 1. Interpret formulas. 2. Find the answers to questions. 3. Work in a laboratory. 4. Figure out how things work and investigate new things. 5. Explore new technology. 6. Experiment to find the best way to do something. 7. Pay attention to details and help things be precise.	Personal qualities that describe me: 1. Detail oriented 2. Inquisitive 3. Objective 4. Methodical 5. Mechanically inclined	School subjects that I like: 1. Math 2. Science 3. Drafting/Computer-Aided Drafting 4. Electronics/Computer Networking 5. Technical Classes/Technology Education	Total number circled in Box 15 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

BOX 16	Activities that describe what I like to do: 1. Travel. 2. See well and have quick reflexes. 3. Solve mechanical problems. 4. Design efficient processes. 5. Anticipate needs and prepare to meet them. 6. Drive or ride. 7. Move things from one place to another.	Personal qualities that describe me: 1. Realistic 2. Mechanical 3. Coordinated 4. Observant 5. Planner	School subjects that I like: 1. Math 2. Trade and Industry courses 3. Physical Sciences 4. Economics 5. Foreign Language	Total number circled in Box 16 <div style="border: 1px solid black; width: 50px; height: 50px; margin: 10px auto;"></div>

Disclaimer: Your interests may change over time. These survey results are intended to assist you with informal career exploration. Consider more formal assessments and other resources or services to help you plan your career. This survey does not make any claims of statistical reliability.



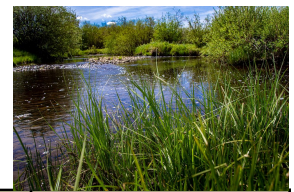
Animal Science Career Pathway (ANSC)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (ANSC) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	AA21 Animal Science I	Agriculture & Food Science Technician
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		AA22 Animal Science II OR AA23 Animal Science II -Small Animal	Environmental Science Technician
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		AA41 Veterinary Assisting WB01 CTE Advanced Studies WB03 CTE Internship	Forest & Conservation Technician Natural Science Managers Poultry Scientist
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		WB02 CTE Apprenticeship <u>Supplemental Course</u> AU10 Agriscience Applications	Veterinarian Veterinary Technician



Food Products & Processing Systems Career Pathway (FPPR)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (FPPR) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	FN41 Food & Nutrition I	Clinical Dietetics Food Industry Professionals Professional Chef Food Writer Public Health Worker Weight Management Professional Nutrition Educator
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		FN42 Food & Nutrition II FN43 Food Science & Technology	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB01 CTE Advanced Studies WB03 CTE Internship WB02 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		<u>Supplemental Course</u> FC11 Principles of Family and Human Services	



Natural Resources Career Pathway (NARE)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (NARE) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	AN51 Natural Resources I AN52 Natural Resources II	Extension Agent
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		WB01 CTE Advanced Studies WB03 CTE Internship	Environmental Consultant Environmental Policy Analyst Forester
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB02 CTE Apprenticeship <u>Supplemental Course</u> AU10 Agriscience Applications	Fisheries Manager GIS Expert
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			Water & Air Quality Land Use Regulations Meteorology Waste Management



Plant Systems Career Pathway (PLSV)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (PLSV) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	AP41 Horticulture I	Extension Agent Environmental Consultant Environmental Policy Analyst Forester Fisheries Manager GIS Expert Soil & Water Specialists Farmer GreenHouse Manager Golf Course Manager
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		AP42 Horticulture II OR AP44 Horticulture II- Landscaping WB01 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB03 CTE Internship WB02 CTE Apprenticeship <u>Supplemental Course</u> AU10 Agriscience Applications	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			

Power, Structural, & Technical Systems Career Pathway (PSTE)



	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (PSTE) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	AS31 Agricultural Mechanics I	Agricultural Engineering Agricultural Machinery Salesperson Agricultural Mechanic Technician Fencing Paints & Preservatives Hand/Power Tool Distribution or Sales
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		AS32 Agricultural Mechanics II OR AS33 Agricultural Mechanics II- Small Engines	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB01 CTE Advanced Studies WB03 CTE Internship WB02 CTE Apprenticeship <u>Supplemental Course</u> AU10 Agriscience Applications	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			

Sustainable Agriculture Career Pathway (SUAG)

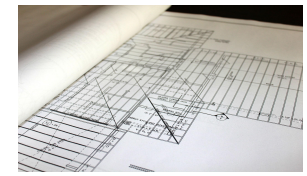


	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (SUAG) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	AU21 Sustainable Agricultural Production I	Farmer Rancher Poultry Production Manager Range Manager Precision Agricultural Specialist Fruit & Vegetable Grower Forrest Manager Crop Management Consultant Organic Crops Grower
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		AU22 Sustainable Agricultural Production II WB01 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB03 CTE Internship WB02 CTE Apprenticeship <u>Supplemental Course</u> AU10 Agriscience Applications	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



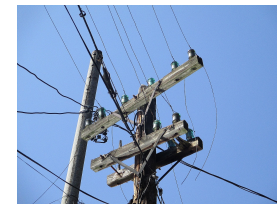
Carpentry Career Pathway (CARP)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (CARP) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	IC00 Core & Sustainable Construction	Construction & Building Inspectors Construction Laborers & Helpers Drywall & Ceiling Tile Installers & Tappers Flooring Installers General Maintenance & repair Workers Insulation Workers Roofers Solar Photovoltaic Installers
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IC21 Carpentry I IC22 Carpentry II IC23 Carpentry III	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB05 CTE Advanced Studies WB07 CTE Internship WB06 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Drafting Architectural Career Pathway (DRFA)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (DRFA) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	IC61 Drafting I	Architecture & Civil Drafter Carpenter Civil Engineering Technician Civil Engineer Construction Manager Electrician Mechanical Engineer Plumber
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IC62 Drafting II - Architectural OR IV22 Drafting II - Engineering WB05 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB07 CTE Internship WB06 CTE Apprenticeship <u>Supplemental Course</u> CS11 Project Management I	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Electrical Trades Career Pathway (ELTR)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (ELTR) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	IC00 Core & Sustainable Construction	Electricians Distributors and Dispatchers Line Installers and Repairers Electrical and Electronics Engineers Construction Managers Power Plant Operators Cardiovascular Technologists and Technicians
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IC41 Electrical Trades I	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		IC42 Electrical Trades II IC43 Electrical Trades III WB05 CTE Advanced Studies	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		WB07 CTE Internship WB07 CTE Apprenticeship	



Masonry Career Pathway (MASO)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (MASO) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	IC00 Core & Sustainable Construction	Brick masons and block masons
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IC11 Masonry I IC12 Masonry II IC13 Masonry III	Cement masons and concrete finishers
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB05 CTE Advanced Studies WB07 CTE Internship WB06 CTE Apprenticeship	Terrazzo workers and finishers Stonemasons Masonry contractors
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			Construction of buildings Heavy and civil engineering construction Poured concrete foundation and structure contractors



Plumbing Career Pathway (PLUM)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (PLUM) Pathway courses
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	IC00 Core & Sustainable Construction	Plumber Pipefitter Sprinkler fitter Gas Plumber Hydraulic Plumber Home Improvement
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IL58 Plumbing I IL59 Plumbing II IL60 Plumbing III	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB05 CTE Advanced Studies WB07 CTE Internship WB06 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Adobe Academy Career Pathway (ADAC)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (ADAC) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	II41 Adobe Visual Design	Art Director Broadcast Technician Graphic Designer Multimedia Artists & Animator Technical Writer
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		II42 Adobe Visual Design II	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB09 CTE Advanced Studies	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		WB11 CTE Internship WB10 CTE Apprenticeship <u>Supplemental Course</u> MM51 Marketing	



Apparel & Textile Production Career Pathway (ATPR)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (ATPR) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	FA31 Apparel & Textile Production I	Garment Technologist Fashion Designers Retail Buyer Fashion Illustrator Merchandisers Fashion Stylist Textile designers Personal Stylist
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		FA32 Apparel & Textile Production II WB09 CTE Advanced Studies WB11 CTE Internship	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB10 CTE Apprenticeship <u>Supplemental Courses</u> ME11 Entrepreneurship I	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		II41 Adobe Visual Design I CS11 Project Management I	

Entrepreneurship Career Pathway (ENTRE)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (ENTRE) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	ME11 Entrepreneurship I	Business Consultant Sales Research and Development Not-for-Profit Fundraiser Teacher Recruiter Business Reporter
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		ME12 Entrepreneurship II	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB13 CTE Advanced Studies	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		WB15 CTE Internship WB14 CTE Apprenticeship <u>Supplemental Course</u> MM51 Marketing	



Project Management Career Pathway (PMGT)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (PMGT) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	CS11 Project Management I	Senior Project Manager Program Manager Consultant Information Technology Project Manager Operations Manager Owner Manager Construction Manager
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		CS12 Project Management II WB13 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB15 CTE Internship WB14 CTE Apprenticeship <u>Supplemental Course</u> FC11 Principles of Family and Human Services	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Accounting Career Pathway (ACCT)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (ACCT) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	BA10 Accounting I BA20 Accounting II	Accounting Professor Personal Financial Adviser Senior Financial Analyst Risk Analyst Budget Analyst Forensic Accountant Accounting Clerk Bookkeeper
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		WB21 CTE Advanced Studies WB23 CTE Internship	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB22 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Financial Securities & Investments Career Pathway (FNPL)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (FSIN) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	BF10 Business Essentials BF21 Financial Planning I	Financial Managers Economist
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		BF22 Financial Planning II WB21 CTE Advanced Studies	Financial Risk Manager Personal Financial Advisor
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB23 CTE Internship WB22 CTE Apprenticeship	Financial Analyst Investment Banker Loss Prevention Analyst
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			Retirement Advisor



Healthcare Professional Career Pathway (HPCP)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (HPCP) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	HU40 Health Science I	Medical Assistant
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		HU42 Health Science II	Nursing Assistant
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		HN43 Nursing Fundamentals and Practicum (2 credit course) OR HH32 Pharmacy Technician	Home Health Aide Licensed Practical Nurse
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		WB29 CTE Advanced Studies WB31 CTE Internship WB30 CTE Apprenticeship <u>Supplemental Course</u> HU10 Foundations of Health Science	Physician Therapist Registered Nurse Pharmacy Technician Public Health Supervisor



Culinary Arts Applications Career Pathway (CULA)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (CULA) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	FH10 Culinary Arts & Hospitality I FH11 Culinary Arts & Hospitality II Applications FH13 Culinary Arts & Hospitality III FH14 Culinary Arts & Hospitality IV Applications WB33 CTE Advanced Studies WB35 CTE Internship WB34 CTE Apprenticeship <u>Supplemental Course</u> FN41 Food and Nutrition I	Chef (including varying levels) Executive Chef Caterer Food Service Manager Bartender Mixologist Food Scientist Food Quality Assurance Manager
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)			
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)			
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Culinary Arts Internship Career Pathway (CULI)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (CULI) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	FH10 Culinary Arts & Hospitality I	Chef (including varying levels) Executive Chef Caterer Food Service Manager Bartender Mixologist Food Scientist Food Quality Assurance Manager
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		FH12 Culinary Arts & Hospitality II Internship FH13 Culinary Arts & Hospitality III FH14 Culinary Arts & Hospitality IV Internship	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB33 CTE Advanced Studies WB35 CTE Internship WB34 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		<u>Supplemental Course</u> FN41 Food and Nutrition I	



Sports & Entertainment Marketing Career Pathway (SEMK)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (SEMK) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	MH31 Sport & Event Marketing I MH32 Sport & Event Marketing II	Athletic Trainer Broadcaster Athletic Director Corporate Sales Director Facilities Manager Fitness Instructor General Manager Fitness and Wellness Director ESPN Correspondent Ticketmaster manager Marathon Organizer Casino Manager
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		WB33 CTE Advanced Studies WB35 CTE Internship	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB34 CTE Apprenticeship <u>Supplemental Courses</u> CS11 Project Management I ME11 Entrepreneurship I	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Travel & Tourism Career Pathway (TRTO)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (TRTO) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	MH31 Sport & Event Marketing I OR MM51 Marketing OR BF10 Business Essentials	Travel Agent Tour Operator Hotel Manager Executive Chef Spa Manager Event & Conference Organizer Tour Guide Sommelier
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		MH42 Hospitality and Tourism	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB33 CTE Advanced Studies WB35 CTE Internship WB34 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		<u>Supplemental Courses</u> CS11 Project Management I ME11 Entrepreneurship I	



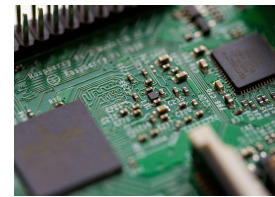
Early Childhood Development & Services Career Pathway (EACH)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (EACH) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	FE60 Child Development	Early Childhood PreK Teacher Childcare Center Director Home-Based Service Provider Family Support Education Specialist Education Consultant Education Sales Representative
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		FE11 Early Childhood Education I (2 credit course) FE12 Early Childhood Education II (2 credit course)	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB37 CTE Advanced Studies WB39 CTE Internship WB38 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Teaching As A Profession I & II Physical Fitness Lifetime Sports I Team Sports I		<u>Supplemental Course</u> FC11 Principles of Family and Human Services	



Cisco Network Engineering Career Pathway (CNEN)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (CNEN) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	II11 Cisco Network Engineering Technology I	Network Specialist Network Administrator Network Technician Network Analyst Network Manager Network Engineer Network Solutions Architect
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		II12 Cisco Network Engineering Technology II WB41 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB43 CTE Internship WB42 CTE Apprenticeship <u>Supplemental Courses</u> BI12 CompTIA IT Fundamentals	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			



Computer Engineering Career Pathway (COEN)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (COEN) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	BI12 CompTIA IT Fundamentals II21 Computer Engineering Technology I II22 Computer Engineering Technology II WB41 CTE Advanced Studies WB43 CTE Internship WB42 CTE Apprenticeship	Software Developer Database Administrator Computer Hardware Engineer
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)			Computer Systems Analyst
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)			Computer Network Architect
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			Web Developer Information Security Analyst Computer & Information Research Scientist



Emergency Medical Technology Career Pathway (EMMT)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (EMMT) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	A student plan should meet all the local and state graduation requirements.	IP21 Emergency Medical Technology I	EMT Paramedic Emergency Management Medical assistants Police Firefighter Registered Nurse
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IP22 Emergency Medical Technology II WB45 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB47 CTE Internship WB46 CTE Apprenticeship <u>Supplemental Courses</u> IP11 Public Safety I	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		IP51 Emergency Management I HU40 Health Science I	



Firefighter Technology Career Pathway (FIFI)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (FIFI) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	IP31 Firefighter Technology I	Firefighter Firefighter EMT Firefighter Paramedic Emergency Management
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IP32 Firefighter Technology II	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB45 CTE Advanced Studies	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		WB47 CTE Internship WB46 CTE Apprenticeship <u>Supplemental Course</u> IP11 Public Safety I	



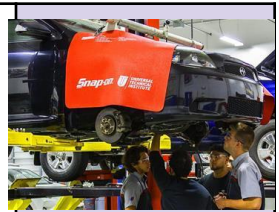
Welding Career Pathway (WELD)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (WELD) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	IM61 Welding Technology I	Industrial Pipeline Workers Underwater Welders Military Support Welders Nuclear Industry Welders Aerospace Welders Certified Welding Inspector
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IM62 Welding Technology II IM63 Welding III	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB49 CTE Advanced Studies WB51 CTE Internship WB50 CTE Apprenticeship	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		<u>Supplemental Course</u> CS11 Project Management I	




Sales Career Pathway (PRSM)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (PRSM) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	MI31 Sales I MI32 Sales II	Financial Services Sales Agent Advertising Sales Agent Insurance Sales Agent Manufacturer's Representative Software Sales Representative Pharmaceutical Sales Representative Medical Device Sales Representative
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		WB53 CTE Advanced Studies WB55 CTE Internship	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB54 CTE Apprenticeship <u>Supplemental Course</u> BF10 Business Essentials	
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			





Automotive Services Career Pathway (AUTO)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (AUTO) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	IT11 Automotive Service Fundamentals	Auto Body Technician Automotive Engineer Auto Sales Manager Automotive Instructor Car Detailer Car Rental Agent Tire Technician
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		IT16 Automotive Service I IT17 Automotive Service II WB61 CTE Advanced Studies	
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB63 CTE Internship WB62 CTE Apprenticeship <u>Supplemental Course</u>	

	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I		FC11 Principles of Family and Human Services	 Tow Truck Driver
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Food & Nutrition Career Pathway (FONU)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (FONU) Pathway
Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	FN41 Food & Nutrition I	Chef (including varying levels)
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)		FN42 Food & Nutrition II FN43 Food Science and Technology WB37 CTE Advanced Studies	Executive Chef Caterer Food Service Manager Bartender

								
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)		WB39 CTE Internship WB38 CTE Apprenticeship <u>Supplemental Course</u> FC11 Principles of Family and Human Services	Mixologist Food Scientist Food Quality Assurance Manager
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			

Marketing Management Career Pathway (MMGT)

	Grade	English/Language Arts	Math	Science/World Languages	Social Studies/Sciences Health & Physical Education	Other Required Courses	Sequence of career pathway courses	Occupations relating to (MMGT) Pathway

Secondary - High School	9	English I English I HN English I (OCS)	NC Math I NC Math II NC Math II HN Intro. Math I (OCS)	Earth/ Environmental Sci. Earth/ Environmental Sci. HN Applied Science (OCS)	World History World History HN AP World History American History (OCS) Health & PE	All student's four year plans should meet local and state graduation requirements.	MM51 Marketing Applications MA52 Marketing Applications WB53 CTE Advanced Studies WB55 CTE Internship WB54 CTE Apprenticeship <u>Supplemental Courses</u> II41 Adobe Visual Design BF10 Business Essentials	Admissions Representative Brand/Product Manager Event/Meeting Planner Fundraiser Marketing Assistant Market Research Analyst Media Planner Public Relations Representative
	10	English II English II HN English II (OCS)	NC Math II NC Math II HN NC Math III NC Math III HN NC Math I (OCS)	Biology Biology HN AP Biology Biology OCS	American History I American History I HN American II American II HN American History II (OCS)			
	11	English III English III HN AP Lang./ Comp. English III (OCS)	NC Math III NC Math III HN NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics Fin. Mang. (OCS)	Physical Science Chemistry I Chemistry HN Physics HN	American History II American History II HN Civics / Economics Civics / Economics HN AP US History Economic & Personal Fin. Civic / Economic (OCS) Economics and Personal Fin. (OCS)			
	12	English IV English IV HN AP Lit. Comp English IV (OCS)	NC Math IV NC Math IV HN Discrete Math for Computer Sci. HN Pre-Calculus HN AP Statistics AP Calculus AB AP Calculus BC	Spanish I Spanish II Spanish III HN Spanish IV HN	Physical Fitness Lifetime Sports I Team Sports I			

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FALL 2023 ONLINE SCHEDULE

Course	Title	Term other than 16-weeks	RCC Credit
ACA 122	College Transfer Success		1
ACC 111	Financial Accounting		3
ART 111	Art Appreciation		3
BIO 111	General Biology I		4
BUS 110	Introduction to Business		3
CIS 110	Introduction to Computers		3
CJC 111	Intro to Criminal Justice	1st 8 weeks	3
CJC 113	Juvenile Justice	2nd 8 weeks	3
COM 231	Public Speaking		3
CTS 115	Info Sys Business Concepts		3
CTS 120	Hardware/Software Support		3
CUL 110	Sanitation & Safety		2
ECO 251	Principles of Microeconomics		3
EDU 119	Introduction to Early Childhood Education	2nd 8 weeks	4
EDU 146	Child Guidance		3
EDU 187	Teaching and Learning for All		4
ENG 111	Writing & Inquiry		3
ENG 112	Writing / Research in the Disciplines		3
ENG 242	British Literature II		3
HIS 131	American History I		3
HIS 132	American History II		3
HRM 245	Human Resource Management - Hospitality		3
MAT 143	Quantitative Literacy		3
MAT 152	Statistical Methods I		4
MAT 171	PreCalculus Algebra		4
MUS 110	Music Appreciation		3
MUS 112	Introduction to Jazz		3
OST 136	Word Processing		3
OST 141	Med Office Terms I		3
OST 142	Med Office Terms II		3
OST 148	Med Ins & Billing		3
PHI 240	Introduction to Ethics		3
POL 120	American Government		3
PSY 150	General Psychology		3
SOC 210	General Sociology		3
SOC 225	Social Diversity		3

SPRING 2024 ONLINE SCHEDULE

Course	Title	Term other than 16-weeks	RCC Credit
ACA 122	College Transfer Success		1
ART 111	Art Appreciation		3
BIO 111	General Biology I		4
BIO 163	Basic Anatomy & Physiology		5
BUS 125	Personal Finance		3
CIS 110	Introduction to Computers		3
CJC 112	Criminology	1st 8 weeks	3
CJC 131	Criminal Law	2nd 8 weeks	3
COM 231	Public Speaking		3
CTS 110	Web, Program, & Database Foundation		3
CUL 135	Food & Beverage Service		2
ECO 252	Principles of Macroeconomics		3
EDU 119	Introduction to Early Childhood Education		4
EDU 144	Child Development I	1st 8 weeks	3
EDU 145	Child Development II	2nd 8 weeks	3
EDU 131	Child, Family, and Community		3
EDU 216	Foundations of Education		3
ENG 111	Writing & Inquiry		3
ENG 112	Writing / Research in the Disciplines		3
HIS 111	World Civilizations I		3
HIS 112	World Civilizations II		3
HIS 131	American History I		3
HIS 132	American History II		3
MAT 152	Statistical Methods I 12 weeks		4
MED 120	Survey of Medical Terminology		2
MUS 110	Music Appreciation		3
MUS 112	Introduction to Jazz		3
NOS 110	Operating Systems Concepts		3
OST 149	Medical Legal Issues		3
PHI 240	Introduction to Ethics		3
POL 120	American Government		3
PSY 150	General Psychology		3
SOC 210	General Sociology		3

The following courses are part of the Comprehensive Articulation Agreement [CAA] and have Universal General Education Transfer Component [UGETC] status. Students who earn a “C” or higher in a UGETC course receive general education credit at any four-year public and most independent institutions in North Carolina. The courses include ART 111, BIO 111, BIO 112, COM 231, ECO 251, ECO 252, ENG 111, ENG 112, ENG 242, HIS 111, HIS 112, HIS 131, HIS 132, MAT 143, MAT 152, MAT 171, MAT 172, MUS 110, MUS 112, PHI 215, PHI 240, POL 120, PSY 150, and SOC 210. In addition, successful completion of EMS 110 or NAS 101 will allow students to take the state certification exam and earn a workforce credential.

*Online courses offerings are subject to change based on enrollment and/or specified needs.



INFORMATION HIGHWAY / ON CAMPUS

INFORMATION HIGHWAY

Course	Title	Days	Times	Credit
FALL 2023				
MAT 171	Precalculus Algebra	MWF	1st Block	4
ENG 111	Writing & Inquiry	TTH	1st Block	3
MAT 171	Precalculus Algebra	MWF	2nd Block	4
ENG 111	Writing & Inquiry	TTH	2nd Block	3
PSY 150	General Psychology	MW	4th Block	3
HIS 131	American History I	TTH	4th Block	3
SPRING 2024				
MAT 172	Precalculus Trigonometry	MWF	1st Block	4
ENG 112	Writing/Research in the Disciplines	TTH	1st Block	3
MAT 171	Precalculus Algebra	MWF	2nd Block	4
ENG 111	Writing & Inquiry	TTH	2nd Block	3
CIS 110	Introduction to Computers	MW	4th Block	3
ART 111	Art Appreciation	TTH	4th Block	3

ON CAMPUS

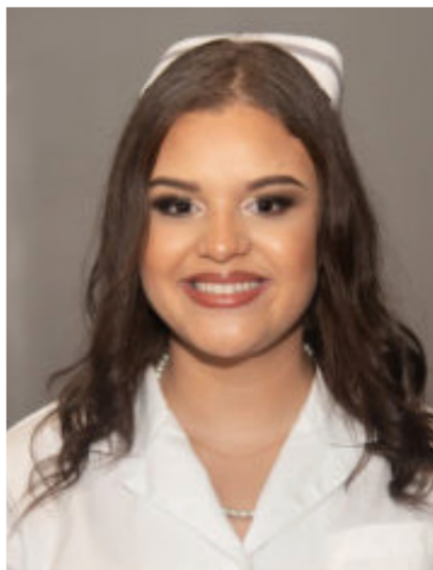
FALL 2023
8:30 – 10:50

Course	Title	Days	Credit
BIO 111	General Biology	TTH	4
SOC 210	Introduction to Sociology	MW	3
ACA 122	College Transfer Success	F	1
COS 111AB	Cosmetology Concepts I	F	2
COS 112AB	Salon I	M-TH	4
ELC 112	DC/AC Electricity	MWF	5
EMS 110	EMT	M-F	9
MED 120	Medical Terminology	F	2
AHR 111	HVACR Electricity	TTH	3
MNT 110	Intro to Maintenance Proced	MWF	2
ELC 113	Residential Wiring	TTH	4
AHR 110	Intro to Refrigeration	MWF	5
BPR 111	Blue Print Reading	TTH	2
NAS 101	Nurse Aide I	M-F	6
SGD 111	Introduction to SGD	MW	3
SGD 112	SGD Design	TTH	3
CJC 111	Intro to Criminal Justice	MW	3
CJC 113	Juvenile Justice	TH	3

SPRING 2024
8:30 – 10:50

Course	Title	Days	Credit
BIO 112	General Biology II	MWF	4
ENG 231	American Literature I	MW	3
HYD 110	Hydraulics/Pneumatics	MWF	3
COS 111BB	Cosmetology Concepts I	F	2
COS 112BB	Salon I	M-TH	4
AHR 113	Comfort Cooling	M-F	4
HYD 110	Hydraulics/Pneumatics	MWF	3
ISC 112	Workplace Safety	TH	1
ELC 117	Motors and Controls	M-F	4
EMS 110	EMT	M-TH	9
MED 120	Medical Terminology	F	2
ISC 110	Workplace Safety	T	1
NAS 101	Nurse Aide I	M-F	6
SGD 113	SGD Programming	MW	3
SGD 114	3D Modeling	TTH	3
CJC 112	Criminology	MW	3
CJC 131	Criminal Law	TTH	3

CCP SUCCESS STORY: NICOLETTE LOCKLEAR



Many practical nursing graduates at Robeson Community College spend the days and weeks after graduation preparing to sit for the National Council Licensure Examination. Nicolette Locklear was one of those students, who spent endless nights studying and preparing to become a nurse.

“The practical nursing program has been one of the most challenging things that I have done in my life, but it has also been one of the most rewarding experiences of my life.”

Nicolette says that she is ready for the front lines of pandemic, saying that nursing is where she needs to be.

“I come from a family of three medical doctors and two OBGYNs,” says Nicolette. “Healthcare has been instilled in me.”

The youngest in her class, graduating at just 20 years old, Nicolette came into the practical nursing program as

a certified nursing assistant (CNA). It’s a credential that she earned while in high school through career and college promise classes.

“I have always been one of those to take things and go a step further,” said Nicolette. “The CCP classes were free, so I thought why not take advantage of that opportunity.”

Nicolette says she was thankful to have had the opportunities to explore careers in the medical profession while in high school, saying that it gave her a basic foundation in healthcare.

“I always wanted to become a nurse ... taking the CCP Nurse Aide I classes allowed me to see if this was what I really wanted to do in life.”

And it was what she wanted to do.

After becoming a CNA, Nicolette wanted to further her knowledge in the profession and that’s why she enrolled at Robeson Community College. She hopes to one day return to RCC to complete the Bridge to RN program for LPN’s.

“I want to be able to make decisions for patients and be like an advocate for them,” says Nicolette, who helped care for both of her grandmothers, one who battled cancer and the other Alzheimer’s. “Nursing is very critical because someone’s life is in your hands, I want to be able to be the one who gives patients the care that they need and deserve.”

If you’re thinking about going into the nursing profession, Nicolette does have a few words of advice: “Take nursing one-day, one-step at a time.”

“Coming into nursing you have to be serious and you also have to be caring and compassionate,” says Nicolette. “If nursing is something that you want to do, you’ll do what you need to do to get there, even when it feels like everything is unreachable, Just keep going and when you do that, you won’t just strive but you’ll thrive.”

“I always wanted to become a nurse . . . taking the CCP Nurse Aide I classes allowed me to see if this was what I really wanted to do in life.”

–Nicolette Locklear

CCP COST ANALYSIS



Career and College Promise provides seamless dual enrollment educational opportunities for eligible North Carolina high school students in order to accelerate completion of college certificates, diplomas, and associate degrees that lead to college transfer or provide entry-level job skills. Robeson Community College offers Career and College Promise pathways aligned with the K-12 curriculum and career and college ready standards adopted by the State Board of Education. The program is free to all students who maintain an unweighted 2.8 GPA and meet all other eligibility requirements. CCP is a commitment to helping every qualified student gain access to an affordable college education.

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FOR MORE INFORMATION, PLEASE CONTACT:

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It's Tuition
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**Career &
Technical
Pathway**

Career & Technical Education Pathway

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- Associate of Arts or Associate of Science
- Associate Degree Nursing (ADN) Pathway
- Business Administration-General Certificate
- Associate of Arts or Associate of Science, Teacher Prep
- Certified Production Technician
- Cosmetology Certificate
- Criminal Justice Technology-Pathway Certificate
- Cyber Security Pathway Certificate
- Early Childhood Associate Certificate
- Electrical Systems Technology Certificate
- Firefighter Technology I & II
- Emergency Medical Science Certificate
- Gaming Pathway Certificate
- HVAC
- Industrial Systems Technology Certificate
- Information Technology Certificate
- Law and Justice
- Mechatronics Engineering Pathway Certificate
- Medical Assisting
- Networking Pathway Certificate
- Nurse Aide Certificate
- Pharmacy Education



PSRC Career & College Promise Course Articulation

The course description can be viewed on the Career & College Promise section in the catalog or on RCC website- <https://www.robeson.edu/ccp/>

Course #	CCP Course Name	RCC Credit Hours	High School Credit	Notes
CW002X0A	ACA 122- College Transfer Success	1	0	Effective Fall, 2018, 0 high school credit , but will continue to receive 1 elective credit on the college transcript.
3C065X0A	BIO 111-General Biology	4	1	1 credit may be combined with BIO 112 to satisfy the HS Biology graduation requirement, student MUST pass both courses and complete the EOC to satisfy the HS graduation requirement
3C075X0A	BIO 112- General Biology II	4	1	1 credit; when combined with BIO 111, satisfies Biology graduation requirement; else elective credit only Must complete the EOC to meet HS graduation requirement
3C755X0A	BIO 120- Introductory Botany	4	1	
3C135X0A	BIO 130- Introductory Zoology	4	1	
3C325X0A	BIO 163- Basic Anatomy & Physiology I	5	1	
3C175X0A	BIO 168- Anatomy & Physiology I	4	1	
3C185X0A	BIO 169- Anatomy & Physiology II	4	1	
3C165X0A	BIO 275- Microbiology	4	1	
3C275X0A	CHM 131- Introduction to Chemistry	3	1	
3C085X0A	CHM 151- General Chemistry	4	1	
3C095X0A	CHM 152- General Chemistry II	4	1	
1C025X0A	ENG 111 - Writing & Inquiry	3	1	1 credit; may be combined with other ENG courses to satisfy English III and English IV graduation requirement; else, elective credit only See ENG 231/232 and ENG 241/242
1C035X0A	ENG 112- Writing/Research in the Discipline	3	1	1 credit; may be combined with other ENG courses to satisfy English III and English IV graduation requirement; else, elective credit only See ENG 231/232 and ENG 241/242
5C015X0A	ART 111-Art Appreciation	3	1	
0C015X0	COM 231- Public Speaking	3	1	

1C075X0A	ENG 231- American Literature I	3	1	1 credit; with ENG 111 and ENG 112, satisfies English III graduation requirement; else, elective credit only
1C085X0A	ENG 232 - American Literature II	3	1	1 credit; with ENG 111 and ENG 112, satisfies English III graduation requirement; else, elective credit only
1C115X0	ENG 241 - British Literature I	3	1	1 credit; with ENG 111 and ENG 112, satisfies English III graduation requirement; else, elective credit only
1C125X0	ENG 242 - British Literature II	3	1	1 credit; with ENG 111 and ENG 112, satisfies English III graduation requirement; else, elective credit only
5C045X0A	MUS 110 - Music Appreciation	3	1	
5C055X0A	MUS 112 - Introduction to Jazz	3	1	
0C065X0A	PHI 215-Philosophical Issues	3	1	
0C075X0A	PHI 240- Introduction to Ethics	3	1	
4C015X0	ECO 251- Principle of Microeconomics	3	1	
4C025X0	ECO 252- Principle of Macroeconomics	3	1	
4C035X0A	HIS 111-World Civilizations I	3	1	1 credit; may be combined with HIS 112 to satisfy the World History graduation requirement; else, elective credit only
4C045X0A	HIS 112-World Civilization II	3	1	1 credit; may be combined with HIS 111 to satisfy the World History graduation requirement; else, elective credit only
4C055X0A	HIS 131-American History I	3	1	1 credit; satisfies American History I graduation requirement
4C065X0A	HIS 132-American History II	3	1	1 credit; satisfies American History II graduation requirement
42065X0A	POL 120-American Government	3	1	
4C085X0A	PSY 150-General Psychology	3	1	
4C135X0A	PSY 241- Developmental Psychology	3	1	
4C095X0A	SOC 210-Introduction to Sociology	3	1	
2C015X0A	MAT 143-Quantitative Literacy	3	1	
2C025X0A	MAT 152-Statistical Methods	3	1	
2C035X0A	MAT 171- Precalculus Algebra	3	1	Will count as the 4th Math for HS graduation
27225X0A	MAT 172 - Precalculus Trigonometry	4	1	
27235X0A	MAT 271- Calculus I	4	1	

2C075X0A	MAT 272- Calculus II	4	1	
3C035X0A	AST 151- General Astronomy I	3	1	
3C105X0A	GEL 111- Geology	4	1	
3C115X0A	PHY 110- Conceptual Physics	3	1	
3C195X0A	PHY 151- College Physics I	4	1	
3C205X0A	PHY 152 - College Physics II	4	1	
BW325X0A	CIS 110- Introduction to Computers	3	1	
IW845X0A	CJC 111- Intro to Criminal Justice	3	1	
0C095X0A	HUM 110- Technology and Society	3	1	
4C002X0A	HUM 115- Critical Thinking	3	1	
49995X0A	HUM 130- Myth in Human Culture	3	1	
0C115X0	REL 110- World Religions	3	1	
0C165X0	REL 221- Religion in America	3	1	
4C095X0A	SOC 210- Introduction to Sociology	3	1	
4C375X0A	SOC 213- Sociology of the Family	3	1	
4C125X0	SOC 220- Social Problems	3	1	
1C145X0A	SPA 111- Elementary Spanish I	3	1	
1C165X0A	SPA 112- Elementary Spanish II	3	1	
1C195X0A	SPA 211 - Intermediate Spanish I	3	1	
WC072X0D	ACC 120- Prin of Financial Accounting	4	1	
BW035X0A	ACC 121- Prin of Managerial Accounting	4	1	
BW145X0A	BUS 110- Introduction to Business	3	1	

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