Dear Parents and Students:

It is an honor to welcome all new students to our high school program. Our school system is proud of the various curricula opportunities afforded students, and we encourage you to take full advantage of these opportunities during your high school years. The expectation is that all students fulfill their potential by participating in rigorous courses, developing higher level thinking skills, and exploring career choices. It is the goal of Union County Public Schools that these expectations will establish the preparation necessary to meet requirements in order for students to experience success and to meet global standards of competition beyond high school.

Please review all course information carefully. There have been significant changes in the state graduation requirements over the past few years. It is important that each student is aware of the requirement associated with his / her graduating class. Students should collaborate first with parents, and then with teachers and counselors when making the course selections that best meet their present needs and future options. I encourage you to use the four-year planner found in the appendices of this document to ensure that you are on course for promotion and graduation.

Utilize the Program of Studies to take advantage of the challenging offerings available in the Union County High Schools in addition to online and distance learning opportunities. Each student is challenged to become a responsible, academically proficient, informed citizen. It is a goal of the Union County Public Schools to promote life-long learners and productive individuals in a constantly changing world. I wish for you a great school year and a beneficial high school career. Your future begins here.

Sincerely,

Mary Ellis
Superintendent
## CONTENTS

Parental Involvement ........................................ 4  
Union County High Schools .................................. 7  
High School Courses of Study Defined .................... 8  
Graduation Requirements ................................... 8  
Academic Course Information ............................... 9  
General Student Information ............................... 11  
Course Listings and Descriptions ......................... 29  
English ......................................................... 29  
Health and Physical Education ............................. 33  
Mathematics .................................................. 35  
Science ....................................................... 39  
Social Studies ............................................... 42  
World Languages ............................................ 48  
Arts Education ............................................... 52  
JROTC .......................................................... 59  
Miscellaneous ................................................ 65  
International Baccalaureate of Marvin Ridge High .... 68  
Career Academy of South Providence .................... 73  
Occupational Course of Study ............................. 75  
Career and Technical Education ............................ 78  
Bridge Academy of Monroe High ......................... 86  
Academies of Forest Hills .................................. 88  
Central Academy of Technology and Arts ............... 89  
Union County Early College ............................... 113  
Career and College Promise ............................... 115

### APPENDICES

- Grievance Procedure .................................. Appendix I  
- University of North Carolina – Admissions Requirements Appendix II  
- Union County Public Schools – Four Year Academic Plan Appendix III  
- Acronyms .................................................. Appendix IV

### OPEN ENROLLMENT

Union County Public Schools does not discriminate on the basis of race, religion, national or ethnic origin, age, disability or gender. Male and female students may enroll in any course regardless of tradition in the respective area of training or employment.
PARENTS

The Board recognizes the critical role of parents in the education of their children. Parents are encouraged to become familiar with programs designed by schools for parental involvement and to actively participate. Each school will develop a parental involvement plan, which includes, at a minimum, the Board directives below. This policy applies to the parents, legal guardians, and legal custodians of students who are under the age of 18.

Annual Notification

Each school must notify parents each year of the following:

- Parental rights related to student records
- Grading practices to be followed at the school and, in high schools, the methods for computing the grade point average that will be used for determining class rank
- A description of the curriculum being offered
- Code of student conduct and school rules on conduct
- Any student performance standards of the Board and school district
- Grievance procedure

Opportunities to Withhold Consent

As part of the annual notification process, parents will be notified that consent may be withheld for the following:

- The release of student directory information about his/her child to outside organizations.
- A student’s participation in curriculum related to (1) prevention of sexually transmitted diseases, including AIDS, (2) the avoidance of out-of-wedlock pregnancy, reproductive health and safety education.
- A student’s use of guidance programs for individual counseling, small group counseling related to addressing specific problems, or referral to community resources on issues of a private nature, as well as information on where to obtain contraceptives or abortion referral services. Neither parental notification nor parental permission is required for large group sessions, initial consultations intended to identify the student’s needs or counseling where child abuse or neglect is suspected.
- Activities involving the collection, disclosure, or use of personal information collected from students for the purpose of marketing or for selling that information, or otherwise providing that information to others for that purpose. Furthermore, parents, upon request, may inspect any instrument used in the collection of such information before the instrument is administered or distributed to students.
- The administration of any third party (non-Department of Education funded) survey containing one or more of the eight items described in Student Records policy 4-14.
- Any non-emergency, invasive physical examination (does not include hearing, vision or scoliosis screening) or screening that is:
  1. Required as a condition of attendance
  2. Administered by the school and scheduled by the school in advance; and not necessary to protect the immediate health and safety of the student or other students.

Parents will receive general notification on a yearly basis about routine screenings and notification on a case-by-case basis as needed. In addition, parents may inspect, upon request, any instructional material used as part of the educational curriculum for students by contacting the school principal. Furthermore, parents may opt for alternative assignments for their child(ren) (see policy 5-1).
Parental Permission Required

A parent wishing to withhold consent must do so in writing after receiving notice. Otherwise, consent to the programs or activities is presumed. After the annual notification, the school is not required to provide further notice to the parent as to the manner in which student directory information is used, the curriculum is provided, or the guidance programs are made available.

Written parental permission is required prior to the following activities:

- Medicines administered to students by employees of the school district
- Any release of student records that are not considered directory information unless the release is allowed or required by law
- Providing treatment through the school district health services
- Field trips off campus

The complete policy 5-8 concerning Parental Involvement can be found in the Board of Education Policy Manual on www.ucps.k12.nc.us.

Stay Informed

The Union County Public Schools website is designed to keep parents informed. For general information such as parent resources, lunch menus, calendars and school closings, log on to: www.ucps.k12.nc.us.

Click on Secondary Education for information pertaining to high school students such as Driver’s Education questions, graduation requirements, SAT, ACT, and Career and College Promise information.
A new Program of Studies is developed each year for incoming freshman. The Program of Studies a student receives his or her freshman year will follow the student throughout his or her high school career.

The site at which the Program of Studies information for students entering high school prior to 2013-2014 is located at the link below:

http://seced.ucps.k12.nc.us/php/handbooks.php

This information is available for those students enrolled before August 2010. Please contact your school's guidance office for further information.
Central Academy of Technology and Arts
“Leading the Way”
600 Brewer Drive
Monroe, NC 28112-6110
704-296-3088
cata.ucps.k12.nc.us

Cuthbertson High School
“Connecting our Students to the World”
1400 Cuthbertson Road
Waxhaw, NC 28173
704-296-0105
chs.ucps.k12.nc.us

Forest Hills High School
“We Expect Success”
100 Forest Hills School Road S.
Marshville, NC 28103
704-233-4001
fhhs.ucps.k12.nc.us

Marvin Ridge High School
“Passport to the World”
2825 Crane Road
Waxhaw, NC 28173
704-290-1520
mrhs.ucps.k12.nc.us

Monroe High School
“Aspiring to Greater Heights”
1 High School Drive
Monroe, NC 28112
704-296-3130
mhs.ucps.k12.nc.us

Parkwood High School
“Learners Today...Leaders Tomorrow!”
3220 Parkwood School Road
Monroe, NC 28112
704-764-2900
pwhs.ucps.k12.nc.us

Piedmont High School
“Piedmont Academics
Character Excellence”
3006 Sikes Mill Road
Monroe, NC 28110
704-753-2810
pmhs.ucps.k12.nc.us

Porter Ridge High School
“Rigor, Relevance, and Relationships”
2839 Ridge Road
Indian Trail, NC 28079
704-292-7662
prhs.ucps.k12.nc.us

South Providence School
“Rising from Adversity to Strength”
500 South Providence Street
Waxhaw, NC 28173
704-290-1580
sps.ucps.k12.nc.us

Sun Valley High School
“Celebrate Success”
5211 Old Charlotte Highway
Monroe, NC 28110
704-296-3020
svhs.ucps.k12.nc.us

Union County Early College High School
4209-A Old Charlotte Highway
Monroe, NC 28110
704-290-1565
ucec.ucps.k12.nc.us

Weddington High School
“Empowering Students to Reach Their Full Potential”
4901 Monroe-Weddington Road
Matthews, NC 28104
704-708-5530
wdhs.ucps.k12.nc.us

Wolfe School
722 Brewer Drive
Monroe, NC 28112
704-290-1568
wolfe.ucps.k12.nc.us
Program of Studies for Students Entering High School in 2013-2014

Future Ready Core Curriculum
Future Ready Occupational Prep Curriculum

There have been significant changes in the high school course of study and graduation requirements. The new requirements are assigned by the year a student enters the ninth grade for the first time. It is imperative that parents and students know and understand the graduation requirements associated with that class of students.

Every North Carolina high school student must:

• meet the course and credit requirements based on when they entered high school as a ninth grader for the first time (see course/credit requirements table)
• earn passing scores on three essential end-of-course tests: Algebra I (Math I), Biology, and English II per UCPS Board of Education Policy
• complete Cardiopulmonary Resuscitation (CPR) training
• meet any additional requirements adopted by the local board of education

New for students entering the ninth grade for the 2009-10 school year or beyond

There are two courses of study that students will follow to meet graduation requirements. Students will be placed in the Future-Ready Core as a default option. The new graduation requirements include an increase in the level of math proficiency and an increase in the number of required courses. A detailed outline of graduation course requirements can be found in the following pages.

Occupational Prep is the course of study a student with disabilities may complete to graduate with a high school diploma in North Carolina. The Occupational Course of Study is intended to meet the needs of a small group of students with disabilities who require a greatly modified curriculum that focuses on post-school employment and independent living.

HIGH SCHOOL GRADUATION COURSE AND CREDIT REQUIREMENTS

From the time you enter kindergarten, you’re getting ready for high school graduation. Your school guidance counselor is available to answer questions you may have about what you need to reach your goal of high school graduation.

High School Exit Standards - UCPS Local Requirements

Students entering the ninth grade for the first time in 2013-2014 and beyond will be required to meet the UCPS Local High School Exit Standards. The standards consist of the following EOC testing components:

Students will be required to pass (Level III or IV) three EOC exams. Students will be given a maximum of one retest opportunity. The EOC exams are given for: Algebra I (Math I), Biology, and English II.

Students are required to complete training in Cardiopulmonary Resuscitation (CPR).

Course and Credit Requirements - Listed in the chart and organized according to the Future Ready Core and Occupational Course of Study requirements for high school.
For Ninth Graders Entering in 2013-14 and Later

<table>
<thead>
<tr>
<th>CONTENT AREA</th>
<th>FUTURE-READY CORE</th>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 Credits</td>
<td>English I&lt;br&gt;English II&lt;br&gt;English III&lt;br&gt;English IV</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 Credits</td>
<td>Algebra I&lt;br&gt;Geometry&lt;br&gt;Algebra II and an additional math course</td>
</tr>
<tr>
<td>Science</td>
<td>3 Credits</td>
<td>Physical Science or Chemistry or Physics&lt;br&gt;Biology&lt;br&gt;Earth Science or AP Environmental Science</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4 Credits</td>
<td>World History&lt;br&gt;Civics and Economics&lt;br&gt;American History I: Founding Principles&lt;br&gt;American History II</td>
</tr>
<tr>
<td>World Language</td>
<td>Not required for graduation</td>
<td>Two World Language courses required to meet MAR (minimum application requirements) for UNC</td>
</tr>
<tr>
<td>Health / Physical Education</td>
<td>1 Credit</td>
<td>Health / Physical Education</td>
</tr>
<tr>
<td>Electives</td>
<td>6 Credits</td>
<td>2 – any combination from either&lt;br&gt;Career and Technical Education (CTE)&lt;br&gt;Arts Education&lt;br&gt;World Languages&lt;br&gt;4 – recommended (four course concentration) from one of the following:&lt;br&gt;Career and Technical Education (CTE)&lt;br&gt;JROTC&lt;br&gt;Arts Education (e.g. dance, music, theater arts, visual arts)&lt;br&gt;other academic subject area (e.g. Mathematics, Science, Social Studies or English.)</td>
</tr>
</tbody>
</table>

Maximum potential equals the total number of credits for which a student could register during the normal school day. A 4x4 block schedule allows 32 credits in 4 years.

Graduation Requirement is calculated by subtracting four from the maximum potential for a student.

32 credits – 4 courses = 28 courses to fulfill the graduation requirement from Union County Public Schools.

Exceptions: South Providence High School and the CASPS diploma path require 22 credits for students entering 9th grade in 2013-14. Students who attend South Providence for a portion of their high school career need to consult a counselor to determine if their requirements differ based on the number of courses they are able to take. A student who has been on a block schedule for fewer than four years or who transfers from a school with a different maximum potential is still subject to the maximum potential minus four formula.
### Occupational Course of Study for students entering the 9th grade in 2013-2014

<table>
<thead>
<tr>
<th>Grade</th>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9th Grade</strong></td>
<td>CTE Elective OCS Applied Science 92310C OCC Prep I 92400C PE/Health</td>
<td></td>
</tr>
<tr>
<td><strong>9th Grade</strong></td>
<td>OCS English I 92100C OCS Math 1 92200C Elective CTE Elective</td>
<td></td>
</tr>
<tr>
<td><strong>10th Grade</strong></td>
<td>OCS Mod English (UCPS) 10102C OCS Pre-Algebra (UCPS) 92420PA OCC Prep II 92410C Elective</td>
<td></td>
</tr>
<tr>
<td><strong>10th Grade</strong></td>
<td>OCS English II (EOC English II) 92110C OCS Algebra I EOC Math I 92210C OCC Prep II 92420C Elective</td>
<td></td>
</tr>
<tr>
<td><strong>11th Grade</strong></td>
<td>OCS English III 92120C OCS General Science (UCPS) 92420GS OCC Prep III 92423C Elective</td>
<td></td>
</tr>
<tr>
<td><strong>11th Grade</strong></td>
<td>OCS Financial Management 92220C OCS Biology I (EOC Biology) 92320C OCC Prep III 92423C CTE Elective</td>
<td><em>Personal Finance (CTE course #70862C) is substitution for OCS Financial Management Course.</em></td>
</tr>
<tr>
<td><strong>12th Grade</strong></td>
<td>OCS English IV 92130C OCS SS I 92450C Elective CTE Elective</td>
<td></td>
</tr>
<tr>
<td><strong>12th Grade</strong></td>
<td>OCS Social Studies II 92460C Elective OCC Prep IV 92430C CTE Elective</td>
<td></td>
</tr>
</tbody>
</table>
Courses for Credit

A credit course, one for which credit toward high school graduation is awarded and which qualifies as part of the instructional day:

- Must consist of a minimum of 135 clock hours of instruction in a block schedule; and
- Must follow content guidelines in the Common Core State Standards and the North Carolina Essential Standards locally developed curriculum guides, Advanced Placement or International Baccalaureate syllabi in which high school students are enrolled.

Courses taken to complete high school graduation requirements as allowed via the Career and College Promise Program are exempt from the 135 instructional hours requirement.

A superintendent may grant a waiver to allow students to take courses not listed in the Career and College Promise Program at the Public University, Community College, or Private College and exempt them from the 135 instructional hour requirement, if these courses are not available to the student at his or her local high school. A student taking a high school course at the community college that requires an end-of-course test must take the test in order to get credit for the course.

High School Courses Taken at the Middle School

The State Board of Education passed a policy that allows middle school students in grade 6-8 to fulfill graduation requirements for high school mathematics, world language, science, social studies and English I courses taken in middle school. Currently, UCPS only offers courses in mathematics and world languages in middle school. While these courses meet the graduation requirement, they do not count towards the number of credits needed for high school graduation. To fulfill the requirement, students must pass the course and score a Level III or IV on any EOC associated with the course, if applicable. The course must conform to the high school course of study and provide 135 hours of instruction. This is effective for middle school students starting in the 2007-08 academic year. The courses will count toward graduation requirements, but the students’ GPA will only be computed with courses taken during the high school years.

Students transferring to UCPS from an out-of-state middle school with high school credit listed on their transcripts will be given credit for the high school courses meeting N.C graduation requirements. Only high school credits in math or world language that meet the NC State Board Policy will also count towards maximum potential.

Requirements for a High School Certificate of Achievement/Graduation Certificate

OCS students who have completed all graduation requirements of the Occupational Course of Study except the competitive hours of employment may exit school with a Certificate of Achievement and transcript. Upon completion of the competitive hours of employment requirements, the student would then receive a High School Diploma.

Students in the Exceptional Children’s Program as defined by G.S. 115C-109 (excluding gifted and pregnant) who do not meet the requirements for a high school diploma will receive a graduation certificate and shall be allowed to participate in graduation exercises if they meet the following criteria:

1. Successful completion of 22 course units by general subject area (4 English, 3 Math, 2 Science, 2 Social Studies, 1 Health and Physical Education, 6 local electives and 4 CTE electives) under paragraph (e) of this Rule.
2. Completion of all IEP requirements.
Classification/Promotion Standards

A student’s grade classification is determined by his or her English class as well as the number of units earned. These promotion standards apply to all students and are used in determining athletic eligibility. For example, any student who has completed the required number of units, including the required English unit for the previous grade level, may be classified as follows:

**Grade Level** | **4 x 4 Block**
--- | ---
Grade 9 | Promoted from 8th Grade
Grade 10 | 6 units including English I
Grade 11 | 13 units including English II
Grade 12 | 20 units including English III

Additional standards are:

- Students who have transferred into UCPS must meet the graduation requirements for Union County and North Carolina prior to graduation.
- North Carolina high school students are required to learn CPR before earning their diplomas. This training may be given in middle school but must be designated on the transcript as completed before final graduation requirements are complete.
- Students must successfully complete all graduation requirements prior to the day of graduation to participate in graduation exercises.
- Students who are enrolled in South Providence High School or in the Career Academy of South Providence will adhere to the following promotion standards:

**Grade Level** | **SPS/CASPS**
--- | ---
Grade 9 | Promoted from 8th Grade
Grade 10 | 5 units including English I
Grade 11 | 9 units including English II
Grade 12 | 14 units including English III

**Fifth Year Seniors and Returning Students**

A student who has completed four years of high school, but has not completed the required number of courses for a certificate or a diploma, may return to high school as a full-time student up to the age of twenty-one (21). A fifth year senior will have the same maximum potential as a fourth year senior taking the normal course load each year. The principal and Superintendent for Instruction must approve any exceptions. Any student who has received a certificate may return to high school for a diploma as described above. A fifth year senior may take a modified schedule of less than 4 classes.

OCS students who have completed all graduation requirements of the Occupational Course of Study except the competitive hours of employment may choose not to exit high school and instead return in the Fall to complete the competitive hours of employment requirement with the assistance of school personnel.

This option is available to OCS students who have not yet reached their 22nd birthday.

**Early Graduation - At the End of the Junior Year**

Students and parents will meet with the student’s guidance counselor prior to beginning the application process for early graduation. Students applying for early graduation will meet the standard of maximum potential minus four as required of all high school graduates and must follow the guidelines outlined below:

- The application with parent signature must be filed with the school principal no later than the first 10 days of school in the junior year. The application can be downloaded from the UCPS website.
• The school principal will appoint a standing committee each year to examine all requests for accelerated graduation and make a final decision as to the validity of the request.

Factors to be considered in judging requests include:

• The stated reason(s) why permission for accelerated graduation is being requested.

• The recommendation of two of the student’s current or former high school teachers. It is the applicant’s responsibility to secure these recommendations.

• The academic qualifications of the applicant. It is recommended the student have a “B” average. Eighth grade test data and high school end-of-course test data should reflect an achievement rate at or above grade level.

The committee established as stated above shall render its decision on the request no later than 20 days after the submission date. If denied, the committee will justify the decision in writing to the parent or guardian of the student, with a copy to the school principal. In the event of a negative ruling, the parties making the request will have the right to appeal the decision by first meeting with the high school principal and then by submitting an appeal in writing to the Superintendent for Instruction. The written appeal to the Superintendent for Instruction must be made within ten school days of the committee’s decision.

Mid-Year Graduation for Seniors

Students may be eligible to complete graduation requirements by the end of the first term of the senior year under the following conditions:

• Student must complete an application by the first 10 days of the senior year.

• Student must have a clear academic plan.

• Plan must be reviewed and approved by school administrators.

• Required credits for graduation will be based on maximum potential for the entire four years minus four.

• Student will not be eligible to participate in any year-round extracurricular appointments or offices.

• Student will not be eligible to participate in any extracurricular activities during the second term excluding the Senior Prom and Graduation.

• Diploma will be awarded in June.

• Any exceptions will be determined on a case-by-case basis with the approval of the counselor, principal, and superintendent or designee.

Applications are available online or through guidance department.

High School End of Course Tests - UCPS Local Standards

The End-Of-Course (EOC) test results will count as 25 percent of a student's final grade. According to state testing guidelines, students may not withdraw from a course that has an End-of-Course (EOC) test after the first 10 days of instruction.

Students enrolled in the EOC courses of Algebra I, Biology, and English II will be required to perform at Achievement Level III or IV (with one standard error of measurement).

Students who do not make a Level III or IV will be given the opportunity to re-take the EOC test a maximum of one time following focused remediation. If a Level III or IV is not achieved after one re-testing opportunity, the student's performance would be reviewed by a school-based committee to determine if the exit standard has been met.

Effective December 2009, students who score a Level III or IV on an End-of-Course Test and/or its alternate assessments, but fail to earn credit for the course, will have the option to retake the test at the conclusion of the course if the student/parent requests the opportunity. This option is available to provide students an opportunity to demonstrate the new knowledge and skills learned. This affects only students who previously FAILED a course AND scored Level III or IV on the test.
Incoming freshman will be required to meet both state and local requirements.

Academic Difficulty of Courses

Courses are taught at different levels of academic difficulty. Recommendations are made by subject area teachers for students prior to registration. A waiver form is available for students who wish to enroll in a higher level course than recommended; please consider carefully the use of academic difficulty waivers.

**Level 2:** Basic Level - Curriculum follows a modified Common Core State Standards and NC Essential Standards.

**Level 3:** College Prep - Course content, pace, and academic rigor follow the Common Core State Standards and NC Essential Standards Course of Study guidelines with content enrichment where appropriate.

**Level 4:** Honors - Course content, pace, and academic rigor place high expectations on the student and surpass standards specified by the Common Core State Standards and NC Essential Standards Guidelines. These courses demand greater independence and responsibility than Level 3 courses. This level or higher is suggested for competitive college admission.

**Level 5:** Advanced Placement and International Baccalaureate - Course content, pace, and academic rigor are college-level as adopted by the College Board and International Baccalaureate Organization and prepare students to take the AP/IB examinations which may lead to college credit.

Weighting of Grades and Class Rank

A system of weighting courses is used when determining class rank. This system indicates the degree of difficulty of the courses. A student’s rank in class will be calculated with the NCWISE computer system using grade point averages based on a 4.0 weighted scale as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Numerical Value</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>B</td>
<td>85-92</td>
<td>3</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>C</td>
<td>77-84</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>D</td>
<td>70-76</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>F</td>
<td>0-69</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Please note that final marks of WF (withdrew failing) and FF (failed due to absences) will be computed in the grade point average and the student ranking process as a course attempted and failed. The following marks will not be computed in the grade point average and the student ranking process:

- WP  Withdrew Passing
- P   In a Pass/Fail Course
- F   In a Pass/Fail Course
- AUD Audited Course
- NC  No Credit

**Suggested Courses for AIG Students**

It is recommended that academically talented students take level four courses (honors) throughout their freshman and sophomore years and begin taking Advanced Placement (AP) courses when feasible. Because of the national testing associated with AP courses, strong grades and AP exam scores can improve students’ standing as it relates to college admissions. Students may want to consider beginning their freshman year in high school by taking honors courses in order to have time for AP courses while in high school. Students are encouraged to take four courses of a world language.
Honors Courses
The NC Department of Public Instruction requires all school systems to provide documentation on the rigor of their honors level courses. UCPS has developed extensive guidelines which include course pacing, enrichment topics and higher levels of assessment in order to meet the state requirement. Students enrolling in an Honors Level course must understand and be prepared to meet these academics standards.

Advanced Placement Courses
AP courses are college-level courses that follow curricula determined by The College Board. Course content, pace, and academic rigor are geared to prepare students to take the AP test. Over 1,200 colleges and universities in the nation offer college credit to students who score at certain levels on the individual AP examinations. Students enrolling in AP courses should be prepared to devote adequate time to college-level homework, reading, and independent study. Most AP courses are taught year-long with honors credit awarded the first semester and AP credit awarded the second semester. Because AP courses carry two extra quality points, students are expected to take the AP exam for each course in which they are enrolled. Should a student elect not to take the AP exam, the final course grade will drop to the next grade level scale. For example, a student earning a grade of B (5 weighted credit points) in the AP class but not taking the appropriate AP test will earn a grade of C (4 weighted credit points).

Fee waivers are available from The College Board for students who demonstrate a financial need. The AP exams are given at each high school in the spring semester for courses taught at the specific school. If the cost of the AP exam creates a financial hardship, the principal should be contacted.

UNC Requirements
The University of North Carolina is a multi-campus university composed of 16 public senior institutions of higher learning. Each campus is unique in its program offerings, admission requirements, student body make-up, campus life, and historical background. A wide variety of information on the UNC System can be found at www.northcarolina.unc.edu. This site also includes links to each of the 16 universities. Minimum requirements for undergraduate admission can be found in Appendix II of this document. Another useful website for college information is www.cfnc.org.

Private Colleges/Universities
Requirements for private colleges vary considerably. A student considering a private college should work closely with his or her counselor.

Academic Recognition
- Academic recognition is given to students with outstanding school records.
- Honor Rolls - listings published in local newspapers
- Honor Society - organization for students meeting certain achievement, leadership, and character standards
- Junior Class Marshals - participate in graduation activities. Five percent of the junior class or a minimum of ten students will be selected to serve as marshals (whichever is greater). The students will be chosen from those having the highest grade point average. For example, class rank will be determined using the 4.0 quality point weighted scale at the end of the fifth grading period, and marshals will be those students with the highest grade point average. In case of a tie for the last marshal, all students involved in the tie will be selected.
- Rank in Class - used for college transcripts, scholarship applications, and determining junior class marshals
- Grade Point Average - determined by procedures required by the NC State Board of Education; used for college transcripts and for calculating rank in class, eligibility for high school athletics, etc.
Academic Letter Guidelines

Students who meet the following qualifications will be awarded a letter equal to those given for outstanding athletic performance, except that these letters will be embossed with a gold-colored lamp of learning. Letters will be awarded at the conclusion of each academic semester. The letters will be purchased with Central Services funds approved by the Board of Education. Students who meet the qualifications more than once will be awarded a gold bar to pin on the letter for each semester during which they meet the qualifications. Students who are awarded letters will have an opportunity to purchase jackets and sweaters on which to wear the letters.

Requirements for earning an Academic Letter:

• The student must be in the 9th, 10th, 11th, or 12th grade.
• The student must have an overall semester average of 93, computed by averaging the grades received in all courses in which the student is enrolled.
• The student may earn no semester grade less than “88” to be considered.
• In determining overall average and minimum grade requirements for students taking AP courses, eight (8) points should be added to the numerical grade received for the semester for each AP course.

Graduation Honors

These honors designations will be used for graduating seniors. Note: The remainder of the top 10% of graduates, if not accounted for in the categories below, may be designated as “honor graduates”.

<table>
<thead>
<tr>
<th>Weighted GPA</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.57 or higher</td>
<td>summa cum laude</td>
</tr>
<tr>
<td>4.14 to 4.56</td>
<td>magna cum laude</td>
</tr>
<tr>
<td>3.71 to 4.13</td>
<td>cum laude</td>
</tr>
</tbody>
</table>
UCPS Global Scholars Program

Service Learning Project with a Global Theme

Students should submit a proposal to their school’s Graduation/Scholarship Committee outlining their plans for completing a Service Learning Project that will allow them to contribute to the local, national, or world community. The project must have a Global theme. Once approved, students must complete the Service Learning Project and present a written artifact (e.g. project, portfolio, presentation) to the committee.

Students must complete all requirements for a NC high school diploma and complete all of the requirements listed below or complete the IB Program.

<table>
<thead>
<tr>
<th>Credits</th>
<th>Program Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Earth/Environmental Science</td>
</tr>
<tr>
<td>4</td>
<td>Social Studies (World History, Global Awareness)</td>
</tr>
<tr>
<td>2</td>
<td>World Language Levels 1-2*</td>
</tr>
<tr>
<td>6</td>
<td>Elective credits to include at least two second-level or advanced courses</td>
</tr>
</tbody>
</table>


*=Required Courses
1 = CATA only   2= MRHS only   3 = MHS, PKHS, PMHS, PRHS   4= FHHS, SV

Global Scholars Recipients will be identified by:
*Seal affixed to Diploma
*Recognition during Commencement

North Carolina Academic Scholars Program

Students who complete the State Board of Education requirements for a well-balanced, challenging high school program will be named North Carolina Academic Scholars and receive special recognition.

Most students should begin planning for the program as they enter the ninth grade to ensure they get the most flexibility in their courses.

- Complete all the requirements of the North Carolina Academic Scholars Program.
- Have an overall four-year un-weighted grade point average of 3.500.
The students who qualify for this special recognition:

- Will be designated by the State Board of Education as North Carolina Academic Scholars.
- Will receive a seal of recognition attached to their diplomas.
- May use this special recognition in applying to post-secondary institutions. (Candidates are identified by the end of grade 11 and their candidacy can be included in application forms and/or transcripts sent to institutions.)

High school math and world language courses taken in the middle school counting towards the requirements may vary. All courses taken by NC Academic Scholars Program participants must be Academic Level 3 or above (preferably Level 4 or above).

Students participating in the NC Academic Scholars Program may not enroll in any of the classes required for this program on a pass-fail basis.

It is the student’s responsibility to ensure that the correct courses are taken in order to be eligible for the North Carolina Academic Scholars Program. Students should let their guidance counselor know if they plan to pursue this award.

### North Carolina Academic Scholars Program Requirements

<table>
<thead>
<tr>
<th>CONTENT AREA</th>
<th>FUTURE-READY CORE</th>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 Credits</td>
<td>English I&lt;br&gt;English II&lt;br&gt;English III&lt;br&gt;English IV</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 Credits</td>
<td>Algebra I&lt;br&gt;Geometry&lt;br&gt;Algebra II and an additional math course that requires Algebra II as a pre-requisite.</td>
</tr>
<tr>
<td>Science</td>
<td>3 Credits</td>
<td>Chemistry or Physics&lt;br&gt;Biology&lt;br&gt;Earth Science or AP Environmental Science</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4 Credits</td>
<td>World History&lt;br&gt;Civics and Economics&lt;br&gt;American History I: Founding Principles&lt;br&gt;American History II</td>
</tr>
<tr>
<td>Health / Physical Education</td>
<td>1 Credit</td>
<td>Health / Physical Education</td>
</tr>
<tr>
<td>Electives</td>
<td>6 Credits</td>
<td>2 – any combination from either Career and Technical Education (CTE)&lt;br&gt;Arts Education&lt;br&gt;World Languages</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 – recommended (four course concentration) from one of the following: Career and Technical Education (CTE)&lt;br&gt;JROTC&lt;br&gt;Arts Education (e.g. dance, music, theater arts, visual arts)&lt;br&gt;Other academic area (e.g. Math, Science, Social Studies or English.)</td>
</tr>
<tr>
<td>Electives</td>
<td>3 Credits</td>
<td>Higher level courses taken during junior and/or senior years which carry 5 or 6 quality points such as: -AP -IB or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated courses</td>
</tr>
</tbody>
</table>
Commercial Recognition Programs

In accordance with the following statement issued by a National Association of Secondary Schools Principals’ Committee, commercial recognition programs are not promoted or sanctioned by the school system.

The Committee does not list organizations or programs that claim to honor outstanding students through publication of student names in volumes usually titled “Who’s Who,” “Outstanding,” “Distinguished,” etc., and that derive their revenue from the sale of these publications to students. The Committee views any recognition accorded to students through mere inclusion in such a publication as of little or no tangible value. Furthermore, such recognition is unlikely to provide any future educational or personal benefit to students. The selection criteria used by most commercial recognition programs are often ambiguous and flimsy. Even when stated the organization is unlikely to be able to verify that students actually measure up to the selection criteria, since nominations ordinarily come from a number of sources. These may include staff members associated with a school or individuals in the community at large. Most of the organizations sponsoring these programs and known to the Committee are profit motivated and are not related to educational, philanthropic, or professional associations. The organizations often solicit students and their families to purchase the publication or some other type of “award.”

Some universities and colleges do use recognition in commercial programs as one of the criteria for determining student admission status. Therefore, students who receive such nominations are encouraged to consult their school guidance counselor or principal in order to determine the source of the nomination and its relative value.

Non-Traditional Instructional Settings

UCPS students can take courses through a variety of non-traditional settings. A non-traditional setting is defined as instruction outside the face-to-face traditional setting of a high school classroom. ALL requests for course completion through a non-traditional setting require prior approval from the school principal and/or Central Services.

Summer School Classes

Summer Credit Recovery classes are offered at UCPS High Schools using OdysseyWare Online Curriculum. High school students who have failed to successfully complete the number of units in core courses (English, Math, Science, Social Studies) required for promotion to the next grade level or for graduation are eligible for summer school at their home school. The exact courses to be taught will depend upon student need and computer access. Additionally, students may take new credit summer classes through NCVPS. Contact the guidance counselor at the school for more information.

ODYSSEYWARE

OdysseyWare is an Internet-based distance learning program used for credit recovery or to earn new credit when face-to-face instruction is not a viable option. The courses are aligned with the Common Core State Standards and NC Essential Standards and are self-paced. Weekly monitoring of student progress by a designated school employee is a vital element of this program. This online program offers the flexibility for students to work at home and school. All tests, quizzes and writing assignments must be completed at school or in the presence of a homebound teacher.

Online/Distance Coursework

If a student enrolls in an online course as one of the four instruction blocks, the student will complete the course in a computer lab at the school site. Students will not be given early release to work on an online course at home. The only exceptions will involve homebound services and students participating in the Alternative to Long-term Suspension (ALTS) or Career Academy of South Providence School (CASPS) programs. Specific course offerings from the online and distance learning programs are constantly evolving. For the most current course offerings please visit the Online/Distance Learning website http://seced.ucps.k12.nc.us/distance/.

If the course being taken has a state-mandated End-of-Course test, the student will be required to take this test during the normal testing window. Such tests will count as 25% of the overall grade for courses and will have an impact on determining if a student earns credit for a course.
North Carolina Virtual Public School

The North Carolina Department of Public Instruction offers online courses through NC Virtual Public School (NCVPS). There are a selected number of AP, Honors, and College Prep courses which can be taken online during the instructional day. Online courses are rigorous academic classes which require good time management skills and self-motivation. Students should carefully consider this method of instruction before enrolling. It is suggested that students are limited to two NCVPS courses per semester, but permission for additional courses may be requested through the guidance counselor.

NCVPS is traditionally used for students who:

- Want to take a course not available at the school
- Want to take a course that cannot be accommodated in their schedule
- Want to take courses above the full course load

Students should contact the guidance counselor or the Distance Learning Advisor at the school for a list of available courses. The school staff will make every effort to place students in a face-to-face course prior to using NCVPS. NCVPS course listings, descriptions, and the prerequisites necessary for taking NCVPS courses can be found at ncvps.org. These prerequisites are not determined by UCPS and are subject to change by the North Carolina Department of Public Instruction.

Union County Virtual On-Line Courses

The Union County Public Schools District has begun to develop its own version of on-line coursework. Course modules are developed, implemented, and taught by highly qualified UCPS teachers. These semester long courses are available in an on-line fashion in the homeschool. The first implementation was Sociology/Psychology during the 2012-13 year. ACT Preparation and Global Awareness will be available in the fall of 2013. As other needs arise, more courses will be developed and implemented as a part of this process.

Independent Study

A student may request permission to take a course on an independent study basis if all possible means of registering for the course at the regular high school have been exhausted. Only courses that have been included in the Program of Studies may be considered for independent study. The proposed course must meet state Basic Education Plan guidelines for course content, provide 135 clock hours of instruction, and must be under the direction of an appropriately certified teacher. All requests for independent study must be approved by the school principal and the Superintendent for Instruction and must be made within the first 10 school days of each semester. AP Courses may be taken as independent study only through an application process.

Concurrent Enrollment Guidelines

Students 16 years or older may request permission to enroll in a course at a post-secondary institution as long as he/she remains on the high school campus for at least half of the school day. Concurrent courses may include courses not in the Union County High Schools' Program of Studies and/or courses failed by the student during the regular school year. All students must have prior approval from their counselor, principal, and superintendent or designee to be eligible. Students wishing to pursue concurrent enrollment must be capable of completing college level course work.

The student is responsible for his/her own tuition, fees, transportation, and other costs incidental to his/her enrollment in a post-secondary institution. Textbooks, materials, fees, supply costs or other charges not classified as tuition for courses taken at a post-secondary institution are the responsibility of the student. The student must adhere to all course requirements and examinations required by the instructor or institution. Students may contact the school counselor for more information.

High School Credit for Concurrent Enrollment

Credits received as Concurrent Enrollment courses will be recorded as pass-fail courses. Courses taken on a pass-fail basis do not count in the grade point average (GPA) at the high school. These courses will be recorded on the community college transcript as a numerical grade with appropriate hours of college credit. Three hours of college credit will translate into one Carnegie Unit. Some of the courses offered are college transfer courses which will transfer to any university in the UNC System. Some courses will require a student to pass an entrance test prior to enrollment. Check with the post-secondary in-
stitution regarding the specific courses that will transfer and the number of courses any individual student may transfer. Students are encouraged to work closely with their high school counselor as well to ensure that appropriate courses are taken.

The Career and College Promise Program allows for some college courses to be offered as part of the regular school day. Students will register for these courses as they register for their other high school classes. The purchase of the textbooks for the classes will be furnished by the school or school system. Students meet the same requirements as for concurrent enrollment. Enrollees must be capable of completing college level course work. A complete description of the Career and College Promise Program requirements and course offerings can be found in the last section of this Program of Studies.

NC High School to Community College Articulation Agreement

Articulation is a systematic, seamless student transition from secondary to post-secondary education that maximizes use of resources and minimizes content duplication. The components of the agreement are (1) to identify and align courses articulated now and in the future, and (2) to award college credit for identified high school courses based on transcript information and official standardized IMS post-assessment scores. Criteria to award college credit for identified high school courses are (1) a grade of B or higher in the course, and (2) a raw score of 80 or higher on the standardized IMS post assessment.

Attendance

Credit will not be granted for classes when student absences exceed 7 days for a semester course (14 days for a year course). The maximum number of absences will include lawful, unlawful and out-of-school suspension absences. In certain cases of extended illness, family death or court appearances, the principal may waive absences and allow a student to receive credit.

College visits - Students are urged to use teacher workdays and other school holidays as an opportunity to visit college campuses. In the event a student uses a regular school day as a college visit, it will count as a lawful (excused) absence. A maximum of three days can be excused to use for college visits and any additional days will be considered unlawful.

Attendance Recovery - Students who have a chance to pass academically but are in danger of failing due to absences will be the target population for attendance recovery. Schools will have the flexibility to conduct recovery opportunities as needed and students should contact the principal for more information.

Attendance for Extra-curricular Activities

Students are expected to attend school on a regular basis to fully participate in all aspects of high school life. Extra-curricular activities are an important part of the high school experience. In order for students to participate in these activities attendance in school is expected. The following guidelines will apply to all extra-curricular activities:

- Must be in attendance at least 75 minutes of each class period to be counted present
- Must be counted present in no less than 2 classes on the day of the activity
- Co-curricular (activities that are part of the curriculum requirements) activities will be handled through principal discretion

Changing or Dropping Courses

Students are expected to choose courses carefully at the time of registration to minimize the need to request schedule changes. Students may request a schedule change before the start of school or within the first 5 days of the semester by completing the appropriate forms available through the guidance office. All schedule changes are subject to approval by parents and school staff and are dependent on the rationale for the change and the available space in other classes. Teachers and guidance counselors may request a schedule change for a student within the first 10 days of a semester. All schedule changes, including work-based learning experiences, made after the first 5 days (or 10 days for teacher recommended changes) will be designated as a WP (withdrew passing) or a WF (withdrew failing) in the student’s record. A course dropped with a WF will be computed as failing in the grade point average and class rank. A course dropped before its completion will receive no credit.
Re-taking Courses When Credit Has Been Earned Previously

The term “repeating a course for credit” refers to a high school course repeated via any delivery method when the entire Common Core/Essential Standards Curriculum for that course is being taught to the student for a second time. A student wishing to “repeat a course for credit” will receive a grade and take the associated End-of-Course (EOC) assessment. Those students who have already made a Level III or IV on the associated EOC assessment may elect to either retake the EOC or use the previous passing EOC score as 25% of their final grade. If the student retakes the EOC, the higher of the two scores will be used in the calculation of the final grade. The course will count in the maximum potential calculation for graduation purposes. (Exceptions: Band, Chorus, Weight-lifting, Cooperative Education, Yearbook etc.) A student wishing to modify his or her GPA is to repeat a course for credit and not seek a credit recovery solution.

Credit Recovery

The term “credit recovery” refers to a block of instruction that is less than the entirety of the Common Core/Essential Standards Curriculum for that course. The length of a credit recovery course shall be dictated by the skills and knowledge the student needs to recover and not be a fixed length of seat time. The original record of the course being completed and failed will remain on the transcript. The student will receive a grade of pass or fail for each credit recovery course. The mark will not affect the student’s GPA. Any EOC test associated with the credit recovery course will be administered no later than 30 days upon the completion of the credit recovery course. (GS 115C-81)

Minimum Course Requirements

Students in schools with block scheduling must enroll in four course credits per semester or eight courses per school year. The Superintendent or designee must approve any exceptions to these requirements for the individual student.

In order for a student to be excused from school for employment, he/she must be at least sixteen years old, be registered for at least three courses per semester, and meet the criteria as outlined in (1) and (2). In addition, the Superintendent or designee must approve each individual case.

1. The student must be actively enrolled in a Cooperative Work Experience Program and must remain at school until a designated time to allow adequate and reasonable travel time to his respective job training station. Second level Marketing Education students who are juniors or seniors may be permitted to leave after the third instructional block.

2. The student must demonstrate a financial hardship. All hardship requests must be submitted to the Superintendent or designee. The principal will review hardship approvals at the end of each semester in order to assure that satisfactory employment and grades are maintained by the student. The student may be required to enroll in a full load of courses if these conditions are not met.

Courses Awarded Pass/Fail Credit

Students will be permitted to enroll in one (1) elective course per school year on a Pass-Fail basis. The course may be in addition to courses that use only a Pass-Fail grading system. However, the student must decide within the first two weeks if the course is to be taken on a Pass-Fail basis. NC Scholars may not take a required course on Pass/Fail basis.

Auditing Classes

At the time of registration and with a guidance counselor’s approval, students may request to audit a specific course. The decision to take a course as an audit must be made within first 10 days of the semester. No credit will be awarded to a student auditing a course, but the course will count in the maximum potential calculation for graduation purposes. Students transferring into the school system may audit courses without affecting their maximum potential. Students enrolling in a course for which they have already received credit will be considered as auditing the course and will not receive credit. The grade will be reported as an “audit” and will not be computed in the grade point average or class rank.

Student Assistants

Seniors may apply to serve as assistants to teachers. A teacher may not have a student assistant more than one class period per day and a student may not serve as an assistant more than one class period per year. No academic credit will
be awarded and this will count in the maximum potential calculation for graduation purposes. The principal may assign additional student assistants to the principal’s office and to the guidance department. While enrolled as a student assistant, failing one class will result in the loss of a driver’s license for the student.

Incomplete Grades

Incomplete grades are assigned at the principal’s discretion when students have not completed all assignments and/or have an insufficient number of grades to determine a final grade. Students have until the end of the next grading period to complete all work. If the work is not completed within the prescribed time, the grade awarded will not exceed a 65.

Interim Reports

Communication with parents during the grading period in addition to the formal report cards is encouraged for all students and expected for students not working at a “C” level. Such contact may include one or more of the following: scheduled parent-teacher conferences; written notes/letters to parents; telephone calls; progress reports; and samples of students’ work. Teachers should maintain a written record of pertinent conferences and other significant communications with parents. Please contact your individual high school to determine the procedures for home-school communication.

Assignment of Home School Credit

A parent/legal guardian desiring to enroll a student in a Union County school who has previously been enrolled in a home school shall provide the following written documentation to the principal of the school in the attendance area where the student is domiciled:

• Attendance Record
• Immunization Record
• Results of the most recent nationally standardized test administered by the home school. The test must include the subject areas of English grammar, reading, spelling, and mathematics.
• A description for each course completed while enrolled in the home school
• Homeschool Transcript

The principal shall use the above information to determine grade placement and which courses taken in the home school will fulfill requirements necessary to earn credit for a high school course. To assist the high school principal in determining if credit can be awarded for certain courses, he/she may require students to take appropriate end-of-course tests. A summary of the basis for the grade placement or course credit should be placed in the student’s record.

Awarding credit at the high school:

• Must meet same standards other students have to meet
• May require EOC or teacher-made test for credit
• Level 4 credit will not be awarded
• Require numerical grades
• Award no more than eight units of credit for one year

Transfer Credit

Union County high schools will accept no more than six (6) units of transfer credit for ninth grade courses from a middle school that did not award Carnegie units (regular high school credits) for their courses in grade nine. The student’s transcript will be evaluated and units awarded up to six.

Students transferring courses from grades ten through twelve will receive the units of credit listed on their transcript. Transfer credit will be weighted according to what is offered in Union County Public Schools. Guidelines are listed below to assist in determining appropriate transfer credit for students.
Transfer Credit Guidelines

Transferring from Traditional to Block - At the End of First Semester

Principal of receiving school may approve 1/2 unit of credit for every 1 unit course passed first semester.

- Record as one of the following:
- Special Interest English (S) 10292B
- Special Topics in Math (S) 20632B
- Special Interest Science (S) 30802B
- Special Int. Social Studies (S) 40102B
- Health/PE Elective (S) 90172B
- Exploratory Foreign Language (S) 10912B

For Arts, Career/Technical, and Miscellaneous electives

Anything not passed as of the end of first semester will receive no credit and no penalty as the student might have passed by the end of the year on a traditional schedule. Check with school data manager for additional clarification.

Transferring from Block to Traditional - At the End of First Semester

Block - Record grades as usual and work out a schedule on a case-by-case basis to the best reasonable advantage of the student with principal approval.

Transferring in the Middle of Either Term with Either Type of Schedule

Handle on a case-by-case basis in the best interest of each student with principal approval. This could range from audit-only to partial credits, depending on the status of student and courses available.

Guidance and Counseling Services

The guidance program is a service in which all school personnel participate in varying degrees to assist students in developing effective educational, vocational, and social/personal goals as mature and responsible citizens. Guidance has been defined as “the effort of the faculty, counselors, and school administration to help students help themselves.” Guidance provides students and others with opportunities to openly and honestly communicate needs, evaluate self, receive feedback, explore alternatives, establish values, and make decisions. School counselors are individuals who should not be expected to act as judges or evaluators. They differ from teachers and administrators as well as parents in this respect. They are not responsible, as are teachers, for seeing that students meet standards of achievement in given areas, but they assist in providing growth-producing climates that help all students reach their potential. Counselors are asked to maintain a confidential relationship with each student and with parents, teachers, or community resource personnel as they work to enhance the guidance program as an integral part of the total education program. The counselors will be more useful to students for such help if the students get to know their counselor early in their school career.

The counselor may be contacted in:

- Seeking information regarding educational or career development, offerings and requirements that lead to economic independence
- Exploring individual interests, skills, and needs that contribute to career satisfaction
- Developing personal values, decision-making skills and an appreciation of individual differences

Class Adjustment Procedure

If more students register for a class than can be enrolled due to maximum class size regulations, then a random method of selection will be used to determine class assignments. In these cases the upperclassmen will be given first priority, except in cases where specific grades or class levels should be given priority due to the nature of the class.
Class Size

Generally, academic classes may not be taught with fewer than 15 students and career/technical classes may not be taught with fewer than 12 students. Exceptions may be considered based on the nature or level of the courses, the total daily contacts for the teacher, and impact on other class sizes. Special permission may be given by the Superintendent or designee to operate classes with less than the stated minimum.

Athletic Eligibility Requirements

Students must meet the following requirements in order to be eligible to participate in high school athletics:

- be in attendance at least 85% of the previous semester;
- meet all Union County high school promotion standards;
- earn passing grades for at least three course credits per semester with block scheduling

A student who is promoted from the eighth grade automatically meets course requirements for the first semester of the ninth grade.

International Exchange Students

Union County Public Schools encourages global connections through recognized student exchange programs. In order to best serve the visiting international student, a high school can accept a maximum of four students. Exceptions occur only under unusual circumstances and with the approval of the principal and superintendent or designee. International students attending during their senior year will be allowed to participate in senior activities including graduation, but will not receive a NC diploma. The exchange student is eligible to participate in athletics provided they meet the eligibility guidelines. They may participate in Driver Education but are not eligible to receive a NC Driver’s License.

Driver Education

All classes and in-car instruction are conducted outside of the regular school day. There is a $45.00 student fee to be paid at the time of registration for the Drivers Education class. Registration and class times are announced through each high school office. The classroom portion of the course consists of 30 hours of instruction, the driving portion 6 hours, and 6 hours for observation.

Driver’s Eligibility

The Driving Eligibility Certificate will be issued only if the student has demonstrated adequate progress (passing grades of 70% or more of his/her classes) in the prior semester and has not dropped out of school. Adequate progress will be evaluated at the end of each semester and end of the school year.

What is a Driving Eligibility Certificate?

A Driving Eligibility Certificate is used to verify that a student is meeting academic and enrollment expectations for the state of North Carolina and therefore in combination with the other requirements outlined in ($ 20-11 (d) (1), (2), and (3) may obtain either a limited driver’s learner permit or a provisional (limited or full) driver’s license.

How long is a Driving Eligibility Certificate valid?

The Driving Eligibility Certificate is valid for 30 days ($20-11(n3)).

Who needs a Driving Eligibility Certificate?

A person under age 18 seeking a driver’s learner permit or provisional driver’s license needs a Driving Eligibility Certificate. A person over age 18 may also need a Driving Eligibility Certificate if the Driving Eligibility Certificate was revoked prior to age 18 due to disciplinary action during high school or community college. ($20-11(n1))
Why would a Driving Eligibility Certificate be revoked?

There are three reasons why a Driver Eligibility Certificate could be revoked:

DROPPING OUT OF SCHOOL PRIOR TO AGE 18

As of August 1, 1998, any public, private, federal, home-schooled, or community college student under age 18 who does not make adequate academic progress or drops out of school will have their driving permit or provisional license revoked (§ 20-11). Under the Dropout Prevention Guidelines, a dropout student is one who has withdrawn from school before the end of the academic term and whose enrollment in an educational setting cannot be verified for 30 days. Parents should be notified in writing that the student’s Driver Eligibility Certificate will be revoked. Parents may submit a hardship request to the principal or designee to maintain the student’s Driving Eligibility status.

DISCIPLINARY ACTION

Disciplinary action includes an expulsion, a suspension for more than 10 consecutive days, or an assignment to an alternative educational setting for more than 10 consecutive days. (§ 20-11(n1)) Under the Lose Control/Lose License guidelines, the Driving Eligibility Certificate is revoked for one year. Unlike the Dropout Prevention guidelines that end when a student turns age 18, the revocation of a Driving Eligibility Certificate for disciplinary action can extend beyond age 18 if the disciplinary action took place during the time the student was age 17.

NOT MAKING ADEQUATE ACADEMIC PROGRESS

At the end of each semester, students not passing 70% of the maximum possible courses are identified. Parents are notified that the student is not making adequate academic progress and have the option of submitting a hardship request to the principal or principal’s designee to maintain the student’s Driving Eligibility status. Once a student’s license is revoked for failure to make adequate academic progress; the student’s academic record will be evaluated at the end of the next grading period for possible reinstatement of the driving license.

More information on the Driver Education Program is available at: http://seced.ucps.k12.nc.us/driversed/driversed.htm

Policy Relative to Pregnant Students

All school personnel and students should be made aware of the policy.

• Appropriate school personnel should inform the pregnant student that it is her responsibility to go to the school counselor and principal and inform him/her on a confidential basis how long she expects to remain in school.
• The student should inform the counselor and/or principal when she expects to return to school after the birth of a child.
• The counselor, principal, and student shall agree upon decisions regarding the pregnant student’s educational career.
• The student is responsible for making up work missed in accordance with the same guidelines prescribed in the Administrative Procedures Attendance Policy. Teachers are responsible for withholding grades until this has been accomplished.
• Pregnant students may remain in the regular school setting as long as they are physically able and desire to do so.
• The counselor, principal, nurse and student will make final and detailed decisions regarding possible health emergencies which may occur during the school day.
• It is the responsibility of the principal and the counselor to determine whether other school personnel should be informed of the pregnant student’s condition.

Pregnant students are encouraged to continue their education through counseling and provision of regular or alternative programs as needed. The principal and/or counselor will discuss alternatives with the student.
Course Listings

Students should select courses to be taken carefully. It is the responsibility of students and parents to make sure they have the correct number and composition of units needed to graduate. If unsure, students should contact their guidance counselor for assistance. Forms to help keep track of courses taken are provided in Appendix IV.

Individual courses are listed under the major headings. Courses are numbered to indicate the course, the level, and the duration. For example: English I (3) S; 1 credit – NCWISE # 10212C, indicates an English I course taught on college prep level, a semester long and one unit of credit will be awarded upon successful completion. Courses that are one semester in duration are designated with an “S” and courses that are one year in duration are designated with a “Y”. Some courses or programs require specialized facilities or personnel and are available at certain locations.
ENGLISH

In order to graduate from a Union County high school, a student must earn 4 units of English. These four units are English I, II, III, & IV. The intent of the Common Core State Standards for English Language Arts is to equip students with the level of literacy skills necessary to participate as informed and effective citizens in a democratic society, to experience success in higher education, to function effectively in the world of work, and to realize personal fulfillment.

Modular English (3) S  Grade: 9-10
1 Credit - NCWISE # 10102C

This course is designed to better prepare students for English I and II. The focus of the course is grammar, reading comprehension, and vocabulary. The course is offered first semester to be followed by English I or II second semester. Students scoring below a level 4 on the 8th grade EOG will benefit from enrolling in this course. It may be taken twice for elective credit.

English I (2) S  Grade: 9
1 Credit - NCWISE # 10212CB

English I (3) S  
1 Credit - NCWISE # 10212C

English I - Honors (4) S  
1 Credit - NCWISE # 10215C

The English I course provides a foundational study of literary genres (novels, short stories, poetry, drama, literary nonfiction), to include influential U.S. documents and one Shakespearean play. Interdisciplinary informational writing as well as documented research and speaking and listening skills will be included along with multimodal presentations.

English II (2) S  Grade: 9-10
1 Credit - NCWISE # 10222CB

English II (3) S  
1 Credit - NCWISE # 10222C

English II - Honors (4) S  
1 Credit - NCWISE # 10225C

English II introduces literary global perspectives focusing on literature from the Americas (Caribbean, Central, South, and North), Africa, Eastern Europe, Asia, Oceania, and the Middle East. Influential U.S. documents and a Shakespearean play will be included. Documented research based on interdisciplinary informational texts and literature will comprise the writing, speaking, and listening components of the course along with multimodal presentations. An End-Of-Course test will be administered in English II.

English Exit Standard (3) S  Grade: 10-11
1 Credit - NCWISE # 10292CE

This course is designed to assist students in meeting the English II Exit Standard. The student can take the course first semester as a preparation for the EOC course second semester. The course may also be used after the student completes the EOC course but has not met the exit standard. A student may take this course a maximum of two times for elective credit.

English III (2) S  Grades: 10-11
1 Credit - NCWISE # 10232CB

English III (3) S  
1 Credit - NCWISE # 10232C

English III - Honors (4) S  
1 Credit - NCWISE # 10235C

English III is an in-depth study of U.S. literature and U.S. literary nonfiction especially foundational works and documents from the 17th century through the early 20th century. At least one Shakespearean play will be included along with interdisciplinary informational writing and multimodal presentations focusing on speaking and listening skills.

English IV (2) S  Grades: 11-12
1 Credit - NCWISE # 10242CB

English IV (3) S  
1 Credit - NCWISE # 10242C

English IV - Honors (4) S  
1 Credit - NCWISE # 10245C

English IV completes the global perspective initiated in English II. Though its focus is on European (Western, Southern, Northern) literature, this course includes important U.S. documents and literature (texts influenced by European philosophy or action). At least one Shakespearean play will be included. Interdisciplinary informational text and multimodal presentations will encompass the writing, speaking and listening skills.
English III - Honors (4) S  Grade: 11
1 Credit - NCWISE # 10235CC (AP Companion Course)

**PREREQUISITE:** English II Honors

(This course will be taken in conjunction with AP English Language and Composition)

AP English Language & Composition (5) S  Grade: 11
1 Credit - NCWISE # 10337C

**PREREQUISITE:** English III Honors

Advanced Placement English is college-level coursework. Students will become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and skilled writers who compose for a variety of purposes. Both their writing and their reading will make students aware of the interactions among a writer's purpose, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Students will be eligible to take the Language and Composition AP Exam at the end of the junior year.

English IV - Honors (4) S  Grade: 12
1 Credit - NCWISE # 10245CC (AP Companion Course)

**PREREQUISITE:** English III Honors

(This course would be taken in conjunction with AP English Language and Composition)

AP English Literature and Composition (5) S  Grade: 12
1 Credit - NCWISE # 10367C

**PREREQUISITE:** English IV Honors

Advanced Placement Literature and Composition is a college-level course. Students will engage in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. This course is for students who have attained the reading and writing skills generally expected in introductory college courses in composition and literature. Students will be eligible to take the Literature and Composition AP Exam at the end of the senior year.

Introduction to Shakespeare (3) S  Grade: 9 - 12
1 Credit - NCWISE # 10272C

Introduction to Shakespeare - Honors (4) S  Grade: 9 - 12
1 Credit - NCWISE # 10275C

**PREREQUISITE:** English II

This course is designed to introduce students to the works of William Shakespeare, including his plays and sonnets. It is hoped that students' appreciation of the plays both as texts to be read and performances to be enjoyed will increase. Shakespearean plays are timeless representations of the conflicts, aspirations and struggles of human beings.

Drama as Literature (3) S  Grade: 9 - 12
1 Credit – NCWISE # 53152CD

**PREREQUISITE:** English I

Students in Drama as Literature will read, discuss, and write about both classical and contemporary drama. This course will focus on the dramaturgical elements of composition, characterization and other literary elements as opposed to those related to acting and technical production. Students will explore playwrights' language for expressive, informational/explanatory, critical, argumentative and literary purposes.

Advanced Inquiry and Research - Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 10295CAR

This course serves as a basis for upper-level English courses and AP Language and AP Literature. It is designed to enhance close reading comprehension with increasing text complexity, hone synthesis writing along with documented research skills, build on interdisciplinary informational and literary texts, and prepare students for multimodal presentation skills. With the intention of challenging students to expand their knowledge and skills, this course will prepare students for higher intellectual engagement by starting the development of skills and acquisition of knowledge as early as possible.

Bible as Literature (3) S  Grade: 9 - 12
1 Credit - NCWISE # 10292CBL

The Bible will be studied as literature. Course content will include selections from both the Old and the New Testament.

Classical Mythology (3) S  Grade: 9 -12
1 Credit - NCWISE # 10272CMY

**PREREQUISITE:** English I (Level 3 or 4)

This course will promote cultural awareness in classical mythologies to include ancient civilizations. Students will engage in cultural research, creative presentation, and incorporate writing strategies.
Creative Writing (3) S
1 Credit - NCWISE # 10252C
Grade: 9-12
Emphasis is placed on creative writing for those students with a desire to refine these skills and work with others to improve their creative writing. Students will expand on powers of observation, imagination, and language and will be exposed to various forms of creative writing in the fields of prose, fiction and nonfiction (i.e. poems, fiction, drama, etc.).

Technical Writing (3) S
1 Credit - NCWISE # 10252CT
Grade: 10-12
Emphasis is placed on both creative and expository expression. In addition to writing various compositions and essays, students will practice technical writing and samples for college and job applications.

Speech (3) S
1 Credit - NCWISE # 10142C
Grade: 9-12
The course covers voice projection, articulation and control through interpretation of literary pieces, political speeches and documents, and media excerpts.

Speech and Debate - Honors (4) S
1 Credit - NCWISE # 10185C
Grade: 10-12
This course is designed to provide opportunities for development of thinking, writing and speaking skills. The curriculum also addresses reading comprehension, vocabulary development and effective oral communication.

Journalism (3) S
1 Credit - NCWISE # 10312C
Grade: 10-12
PREREQUISITE: Application and Sponsor Approval
Course topics include journalistic techniques, styles of reporting, printing methods, paper layouts, history of newspapers, and studies of outstanding journalists. Class is responsible for the publication of the school paper. Credit will be given for each semester the student is enrolled in the course.

Yearbook (3) S
1 Credit - NCWISE # 10292CYB
Grade: 9-12
PREREQUISITE: Application and Sponsor Approval
This course includes planning and production of the school yearbook. Students develop skills in gathering information, writing copy and captions, understanding components of quality photography, copy editing skills, and techniques of headlines. Credit will be given for each semester the student is enrolled in the course.

Journalism IV - Honors (4) S
1 Credit - NCWISE # 10325C4
Grade: 10-12
PREREQUISITE: 2 semesters of a previous journalism course
Students will be required to publish one article outside the school newspaper and to participate in one writing contest. In addition, the student will take on a leadership role with the newspaper. This course may be taken only once for Honors credit.

Yearbook III - Honors (4) S
1 Credit - NCWISE # 10295CY3
Grade: 10-12
PREREQUISITE: 2 semesters of a previous yearbook course
Students master advanced layout and design of desktop publishing, digital imagery, and photo placement. Students will be expected to attend a publisher-sponsored workshop and participate in a leadership role on the yearbook staff. This course may be taken only once for honors credit.

Yearbook IV - Honors (4) S
1 Credit - NCWISE # 10295CY4
Grade: 10-12
PREREQUISITE: 2 previous yearbook courses, Application and Sponsor Approval
Students develop advanced computer skills in the designing and editing of all spreads and encouraged to assume a leadership role. Students will be expected to attend a publisher-sponsored workshop and participate in a leadership role on the yearbook staff. This course may be taken only once for honors credit.
HEALTH AND PHYSICAL EDUCATION

The Health & Physical Education program promotes behaviors that contribute to a healthful lifestyle and improved quality of life for all students. Recent studies in brain research reveal that physical activity promotes higher levels of learning by providing oxygen-rich blood needed by the brain. Courses are designed to develop skills and strategies in the specific activities; to enhance the student’s appreciation of physical fitness to meet the demands of wholesome living; and to give students the opportunity to develop interest and proficiency in activities that have carry-over value in recreational activities throughout life. One unit of health & physical education is required of all 9th grade students. This will fulfill the one unit of health & PE required for graduation.

Health/Physical Education (3) S  Grade: 9-12
1 Credit - NCWISE # 90112C

This healthful living course incorporates topics from the areas of both health education and physical education: motor skills development, movement concepts, health-related fitness, personal/social responsibility, mental & emotional health, personal & consumer health, interpersonal communication & relationships, nutrition & physical activity, and alcohol, tobacco & other drugs. Health/Physical Education is a graduation requirement.

Advanced Physical Education (3) S  Grade: 10-12
1 Credit - NCWISE # 90152C

PREREQUISITE: Health/Physical Education

This course is a co-educational elective open to upper classmen. It includes daily rigorous physical activity as well as classroom instruction. A maximum of two units of Advanced Physical Education may be used toward graduation requirements.

Fit for Life (3) S  Grade: 10-12
1 Credit - NCWISE # 90152CAR

PREREQUISITE/COREQUISITE: Health/Physical Education

This course is designed to instruct and educate students on lifestyle wellness. Students participate in activities that improve cardiovascular endurance and strength. The courses prepares students to be able to enroll in a fitness facility and take classes such as aerobics, strength conditioning, kick boxing, boot camp, etc.

Fitness and Nutrition - Honors (4) S  Grade: 10-12
1 Credit - NCWISE # 90195F

PREREQUISITE: Health/Physical Education

This course is designed to inform students on how to create fitness programs for healthy individuals and for those who have medical disabilities. Students will learn how to conduct fitness assessments and how to interpret results. By using heart rate monitors students will gain instant feedback on their own personal exercise intensity. This course will educate students how to motivate individuals to adopt or maintain a personal fitness program.
Lifetime Sports (3) S  
Grade: 10-12  
1 Credit - NCWISE # 90152CLS  
PREREQUISITE/COREQUISITE: Health/Physical Education  
Course is designed to promote participation in fitness activities that may be appropriate for an entire lifetime like running, walking, tennis, or golf.

Physical Fitness/Weight Lifting (3) S  
Grade: 9-12  
1 Credit - NCWISE # 90152CWT  
PREREQUISITE/COREQUISITE: Health/Physical Education  
This course is designed to improve student proficiency in many areas of physical fitness. This course may be taken a maximum of four times during the four years of high school.

Sports Medicine I (3) S  
Grade: 10-12  
1 Credit - NCWISE # 95302C  
PREREQUISITES: Biology and Anatomy/Physiology recommended  
The course consists of an in-depth study of the human anatomy plus first aid, injury prevention, and injury rehabilitation. The class will consist of lectures, labs, and on-the-job training with the sports teams of the school.

Sports Medicine II (3) S  
Grade: 10-12  
1 Credit - NCWISE # 95302C2  
PREREQUISITE: Sports Medicine I  
This course is designed for students interested in pursuing a career in athletic training, physical therapy, medical science, nutrition or other related fields.

Team Sports (3) S  
Grade: 10-12  
1 Credit - NCWISE # 90152CT1  
PREREQUISITE/COREQUISITE: Health/Physical Education  
Rules, skills, and sportsmanship are emphasized.

Speed and Agility (3) S  
Grade: 10-12  
1 Credit - NCWISE # 90152CS  
PREREQUISITE: Health/Physical Education  
This course is designed to increase coordination, agility, quickness and endurance through a variety of effective training techniques that can show measurable results.
The Future-Ready Core Course of Study requires students to take four units of math. The chart below demonstrates some of the sequences of mathematics courses available. Students are reminded that Algebra II is required for most college admissions. Students wishing to attend UNC institutions will be required to have a fourth mathematics credit beyond Algebra II from the following: Advanced Functions & Modeling, Discrete Mathematics, Pre-Calculus, AP Statistics, AP Calculus AB, or AP Calculus BC. It is recommended that all seniors be enrolled in a math course.

Future Ready Core Course of Study Math Sequence (2009-10 Ninth Grade Students)

<table>
<thead>
<tr>
<th>Option I</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra I taken and passed in 8th grade.</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Advanced Functions &amp; Modeling or Discrete Math or Pre-Calculus</td>
<td>Pre-Calculus Or Calculus AB Or Calculus BC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option II</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra I</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Advanced Functions &amp; Modeling or Discrete Math or Pre-Calculus</td>
<td>Optional</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option III</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations of Algebra and Algebra I</td>
<td>Foundations of Geometry and Geometry</td>
<td>Foundations of Algebra II and Algebra II</td>
<td>(OPTIONAL) Another Math aligned with the student’s post-secondary plans</td>
<td></td>
</tr>
</tbody>
</table>

Occasionally, there may be cause for a student to request exemption from the Future Ready Core Mathematics requirements. A committee review team with principal approval may exempt a student from the Future Ready Core sequence. The decision requires the student to complete Algebra I, Geometry and 2 other application-based math courses.

**Foundations of Algebra (3) S**
**1 Credit - NCWISE # 20182C**

Foundations of Algebra is an introductory course to Algebra I. Students should enroll in Algebra I second semester and score Level III or IV on the Algebra EOC test to receive credit from Algebra I and meet the Exit Standard.

**Algebra I (3) S**
**1 Credit - NCWISE # 20232C**

Algebra I is the study of algebraic concepts designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills, which may be applied to life situations beyond the classroom setting. This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Algebra I content standards. Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**Algebra I Exit Standard (3) S**
**1 Credit - NCWISE # 20632CE**

This elective course is designed to assist students in meeting the Algebra I Exit Standard. The student can take the course first semester as a preparation for the EOC course second semester. The course may be used after the student completes the EOC course but has not met the exit standard. A student may take this course a maximum of two times for elective credit.

**Foundations of Geometry (3) S**
**1 Credit - NCWISE # 20632CGE**

**PREREQUISITE: Algebra I**

Includes the study of points, parallel lines, triangles, circles, perimeter, volume, ratios and proportions, constructions, and coordinate geometry. The pace will be slower than regular Geometry, not include proofs, and deal with significant, real world application.
Geometry (3) S  
Grade: 9-12  
1 Credit - NCWISE # 20302C

Geometry - Honors (4) S  
Grade: 9-12  
1 Credit - NCWISE # 20305C

**PREREQUISITE: Algebra I**

Geometry continues the study of geometric concepts building upon middle school topics. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Two- and three-dimensional reasoning skills are emphasized as students broaden their use of the coordinate plane to include transformations of geometric figures. Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Foundations of Algebra II (3) S  
Grade: 10-12  
1 Credit - NCWISE # 20182CA2

**PREREQUISITES: Algebra I and Geometry**

This introductory course to Algebra II will allow students to master key skills needed to be successful in Algebra II. Students must also enroll in Algebra II in order to meet the high school math graduation requirements.

Algebra II (3) S  
Grade: 9-12  
1 Credit - NCWISE # 20242C

Algebra II - Honors (4) S  
Grade: 9-12  
1 Credit - NCWISE # 20245C

**PREREQUISITES: Algebra I and Geometry**

Algebra II continues the student’s study of advanced algebraic concepts including functions, and matrices building on their work with linear, quadratic, and exponential functions. Students work with expressions that define functions and continue to expand their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Advanced Functions & Modeling (3) S  
Grade: 10-12  
1 Credit - NCWISE # 20252C

**PREREQUISITE: Algebra II**

This course provides an in-depth study of modeling and applying functions. It reinforces algebraic skills through the use of application problems, technology and mathematical modeling. The use of manipulatives, calculators, and application software is expected.

Applied Mathematics I (3) S  
Grade: 9-12  
1 Credit - NCWISE #20262

**PREREQUISITES: Algebra I and Geometry**

This course provides learners an opportunity to apply mathematical concepts and skills from earlier high school mathematics courses in practical situations while focusing on learning skills associated with information and communication technology.

Applied Mathematics II (3) S  
Grade: 11-12  
1 Credit - NCWISE #20272

**PREREQUISITE: Applied Mathematics I**

This course provides learners an opportunity to apply mathematical concepts and skills from earlier high school mathematics courses to financial situations while using learning skills associated with information and communication technology.

Discrete Math (3) S  
Grade: 10-12  
1 Credit - NCWISE # 20502C

Discrete Math - Honors (4) S  
Grade: 10-12  
1 Credit - NCWISE # 20505C

**PREREQUISITE: Algebra II**

Discrete Mathematics introduces students to the mathematics of networks, social choice, and decision making. The course extends students’ application of matrix arithmetic and probability. Applications and modeling are central to this course. The use of manipulative, calculators, and application software is expected.
Pre-Calculus - Honors (4) S
Grade: 10-12
1 Credit - NCWISE # 20705C
PREREQUISITE: Advanced Functions and Modeling OR Honors Algebra II
Pre-Calculus should be taken by students who intend to continue their study of mathematics and/or science beyond the high school level. It is a PREREQUISITE for AP Calculus. Course studies provide a complete study of trigonometry, as well as advanced algebra topics, analytic geometry, sequences and series, and data analysis. Applications and modeling are included throughout the course.

Statistics - Honors (4) S
Grade: 10-12
1 Credit - NCWISE # 20635CST
(can be used as companion course for AP Statistics)
PREREQUISITE: Pre-Calculus
This course is an AP companion course designed to be paired with AP Statistics in order prepare students for the Advanced Placement Statistics test. Students will explore such themes as probability, exploratory analysis and statistical inferences.

AP Statistics (5) S
Grade: 10-12
1 Credit - NCWISE # 20667C
PREREQUISITE: Pre-Calculus
This course introduces the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students observe patterns and departures from patterns, produce and confirm models using probability and simulation. Students enrolled are expected to take the AP Exam.

Advanced Calculus Topics AB - Honors (4) S
Grade: 10-12
1 Credit - NCWISE # 20735CAB
(PREREQUISITE: Pre-Calculus)
This course is an AP companion course to be taken with AP Calculus AB order to prepare students for the AP Calculus test. Students will explore such topics as functions, integration, applications of differentiation, limits and analytic geometry. NOTE: This course does not count as a fourth math course to enter the university system.

AP Calculus AB (5) S
Grade: 10-12
1 Credit - NCWISE # 20767C
PREREQUISITE: Advanced Calculus Topics AB
Emphasis of the course is on functions, elements of analytic geometry, limits, differentiation of algebraic functions, applications of differentiation, integration, and trigonometric and exponential functions. This course follows the outline of AB level of AP Calculus. Students enrolled are expected to take the AP Calculus Test.

Advanced Calculus Topics BC – Honors (4) S
Grade: 10-12
1 Credit - NCWISE # 20735CBC
(PREREQUISITE: Pre-Calculus)
This course is an AP companion course to be taken with AP Calculus BC order to prepare students for the AP Calculus test. Students will explore such topics as analysis of graphs, limits, derivatives, series of constants and parametric, polar, vector functions. NOTE: This course does not count as a fourth math course to enter the university system.

AP Calculus BC (5) S
Grade: 10-12
1 Credit - NCWISE # 20777C
PREREQUISITE: Advanced Calculus Topics BC OR AP Calculus AB
This course follows the outline of BC level of AP Calculus. Students are expected to take the AP Calculus Test.
Our goal of science education mirrors the goal outlined in the NC Essential Standards Course of Study which is to ensure that our county produces scientifically literate students. Scientific literacy implies an understanding of the scientific concepts and processes needed for personal decision-making, participation in civic affairs and economic productivity. The scientifically literate person has a substantial understanding of scientific concepts and inquiry skills which enable one to continue to learn and think logically.

Three units of science are required for graduation: a physical science (Chemistry, Physics or Physical Science), Biology, and Earth/Environmental Science. AP Environmental Science may be taken in lieu of Earth/Environmental Science to meet graduation requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credits</th>
<th>NCWISE Code</th>
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<tr>
<td>Earth/Environmental Science (2) S</td>
<td>9-12</td>
<td>1</td>
<td>30382CB</td>
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<tr>
<td>Earth/Environmental Science (3) S</td>
<td>9-12</td>
<td>1</td>
<td>30382C</td>
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<tr>
<td>Earth/Environmental Science - Honors (4) S</td>
<td>9-12</td>
<td>1</td>
<td>30385C</td>
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<td>Biology I (2) S</td>
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<tr>
<td>Biology I - Honors (4) S</td>
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<td>Biology Exit Standard (3) S</td>
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<td>30802CBE</td>
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<td>Physical Science (2) S</td>
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<td>Chemistry I (3) S</td>
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<td>PREREQUISITE: Physical Science</td>
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<tr>
<td>Chemistry I - Honors (4) S</td>
<td>9-12</td>
<td>1</td>
<td>30505C</td>
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<td>Physics (3) S</td>
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<tr>
<td>Physics - Honors (4) S</td>
<td>11-12</td>
<td>1</td>
<td>30605C</td>
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<tr>
<td>PREREQUISITE: Algebra II</td>
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</tbody>
</table>
Advanced Biology Topics - Honors (4) S  Grade: 10-12
1 Credit - NCWISE # 30215CC (AP Companion Course)

PREREQUISITES:  Biology I Honors and Chemistry I Honors

This course is paired with AP Biology to help students design and carry out laboratory experiments and to understand the conceptual framework, factual knowledge and analytical skills necessary for the AP Biology Exam.

AP Biology (5) S  Grade: 10-12
1 Credit - NCWISE # 30217C

PREREQUISITES:  Biology I Honors, Chemistry I Honors, and Advanced Biology Topics

Together the Advanced Biology Topics and the AP Biology courses are designed to be the equivalent of a two-semester college introductory biology. AP Biology concentrates on three general areas: molecules and cells; heredity and evolution; organism and population.

Advanced Chemistry Topics - Honors (4) S  Grade: 10-12
1 Credit - NCWISE # 30515C  (AP Companion Course)

PREREQUISITE:  Chemistry I Honors and Advanced Chemistry Topics

This course is paired with AP Chemistry to help students design and carry out laboratory experiments and to understand the conceptual framework, factual knowledge and analytical skills necessary for the AP Chemistry Exam.

AP Chemistry (5) S  Grade: 10-12
1 Credit - NCWISE # 30517C

PREREQUISITE:  Chemistry I Honors

Together the Advanced Chemistry Topics and the AP Chemistry courses are designed to be the equivalent of a two-semester college introductory chemistry. AP Chemistry concentrates in the following areas: structure of matter; states of matter; reactions; and descriptive chemistry.

Advanced Environmental Science Topics – Honors (4) S  Grade: 10-12
1 Credit - NCWISE # 30425C  (AP Companion Course)

PREREQUISITES:  Biology I Honors and Chemistry I Honors

This course is paired with AP Environmental Science to help students design and carry out laboratory experiments and to understand the conceptual framework, factual knowledge and analytical skills necessary for the AP Environmental Science Exam.

AP Environmental Science (5) S  Grade: 10-12
1 Credit - NCWISE # 30427C

PREREQUISITES:  Biology I Honors, Chemistry I Honors, and Advanced Environmental Science Topics where offered

The AP Environmental Science course is designed to be the equivalent of a one-semester college introductory environmental science. Topics include: earth systems; population dynamics; natural resources; and global changes.

Advanced Physics Topics - Honors (4) S  Grade: 11-12
1 Credit - NCWISE # 30615C  (AP Companion Course)

PREREQUISITE:  Advanced Functions & Modeling

This course is paired with AP Physics to help students design and carry out laboratory experiments and to understand the conceptual framework, factual knowledge and analytical skills necessary for the AP Physics Exam.

AP Physics (5) S  Grade: 11-12
1 Credit - NCWISE # 30637C

PREREQUISITE:  Advanced Physics Topics AND/OR Advanced Functions & Modeling

Together the Advanced Physics Topics and the AP Physics courses are designed to be the equivalent of a two-semester college introductory physics. AP Physics concentrates in the following areas: Newtonian Mechanics; thermodynamics; electricity/magnetism; waves/optics; and atomic/nuclear physics.

Anatomy/Physiology (3) S  Grade: 10-12
1 Credit - NCWISE # 30232C

PREREQUISITES:  Biology I, Earth Science and a Physical Science course

Anatomy/Physiology - Honors (4) S  Grade: 10-12
1 Credit - NCWISE # 30235C

PREREQUISITES:  Biology I Honors, Earth Science Honors and a Physical Science course

This course enables students to develop a comprehensive understanding of human anatomical design and function. A variety of lab activities, including dissection, will be utilized to reinforce classroom discussion.
Biology II (3) S  
Grade: 10-12  
1 Credit - NCWISE # 30212C  

PREREQUISITE: Biology I, Earth Science and a Physical Science Course  
Biology II is designed for students who wish additional preparation for college biology. Topics covered include ecology, taxonomy, microbiology, biochemistry, anatomy, physiology, behavior, and genetics.

Forensic Science (3) S  
Grade: 11-12  
1 Credit - NCWISE # 30802CFS  

PREREQUISITES: Earth Science, Biology I and a Physical Science Course  
Course centers around the evidence found at crime scenes and the role of forensic scientists in using this information to solve crimes. Major topics include the history and organization of crime lab, physical evidence, organic and inorganic analysis, toxicology, arson and explosive investigation, etc.

Forensic Science II - Honors (4) S  
Grade: 11-12  
1 Credit - NCWISE # 30805C2  

PREREQUISITES: Chemistry and Forensic Science I  
Lab-based course centered on analytical techniques. Students will also perform career explorations, researching the training required and job opportunities available for the forensic student. They will also analyze current events and the laws governing investigation and trial. Labs include DNA analysis, crime scene reconstruction, blood spatter analysis and preparing and studying casts and molds.

Marine Science (3) S  
Grade: 10-12  
1 Credit - NCWISE # 30442C  

Marine Science - Honors (4) S  
1 Credit - NCWISE # 30445C  

PREREQUISITES: Biology I Honors, Earth Science Honors and a Physical Science Course  
This course is designed to provide an overview of oceanography and marine biology in a lecture and lab format.

Current Topics in Science (3) S  
Grade: 11-12  
1 Credit - NCWISE # 30802C  

PREREQUISITES: Biology I, Earth Science and a Physical Science Course  
This course is an opportunity to give students more choices in science electives. They will be able to learn about the practical and applicable aspects of various disciplines in science as currently used around the world today.

General Science (3) S  
Grade: 9  
1 Credit - NCWISE # 30802CGS  

PREREQUISITE: Teacher Recommendation  
This course is for ninth grade students who are enrolled in Fundamentals of Algebra I. The major objective is to provide a science elective that will help students improve higher order thinking skills, science process skills, and math competencies such as graphs and formulas before attempting the required high school courses.
SOCIAL STUDIES

Course sequencing for Social Studies has changed as shown in the flowchart. For graduation, students must have four units of social studies: World History, Civics & Economics, American History I: The Founding Principles, and American History II. The North Carolina Social Studies Essential Standards offer a sound, thoughtful and defensible curricular framework that is designed to enable all students to acquire the essential knowledge, understanding, and skills needed to be informed, active citizens in the 21st century.

Civics & Economics (3) S  Grade: 9-12
1 Credit - NCWISE # 40522C

Civics & Economics - Honors (4) S
1 Credit - NCWISE # 40525C

This course provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The Essential Standards for this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics.

US History (3) S  Grade: 11-12
1 Credit - NCWISE # 40212CH

US History – Honors (4) S
1 Credit - NCWISE # 40215C

This course is only to be used for students entering high school prior to 2012-2013. North Carolina graduation requirements include US History for those students. Anyone entering high school 2012-2013 or later is required to complete the American History I: The Founding Principles - American History II sequence.

American History I: The Founding Principles (3) S  Grade: 10-12
1 Credit - NCWISE # 40662

American History I: The Founding Principles Honors (4) S
1 Credit - NCWISE # 40665

This course begins with European exploration of the new world and concludes with 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. The course will guide students as they study the establishment of political parties, America’s westward expansion, the growth of sectional conflict, how sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

American History II (3) S  Grade: 10-12
1 Credit - NCWISE # 40672

American History II Honors (4) S
1 Credit - NCWISE # 40675

PREREQUISITE: American History I: The Founding Principles

This course examines the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. The Essential Standards for this course will trace 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. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the United States in an interconnected world.

World History (3) S  Grade: 9-12
1 Credit - NCWISE # 40242C

World History - Honors (4) S
1 Credit - NCWISE # 40245C

This course addresses the six periods in the study of World History, with a key focus of study from the mid-15th century to present and focuses around a basic core of chronologically-organized events in history. Students will study major turning points that shaped the modern world as well as focusing on recurring concepts such as civilization, revolution, government, economics, war, stability, movement, technology, etc.
AP World History (5) S  
Grade: 9-12
1 Credit - NCWISE # 40247C

PREREQUISITE: World History - Honors

This course helps students develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. Students are expected to take the AP Exam following the completion of the course.

AP Human Geography (5) S  
Grade: 9-12
1 Credit - NCWISE # 40327C

This course focuses on the study of geography as a social science by emphasizing the relevance of geographic concepts to human problems. Students are expected to take the AP Exam following the completion of the course.

AP Government and Politics - Comparative (5) S  
Grade: 9-12
1 Credit - NCWISE # 40037C

PREREQUISITE: Civics & Economics

This course focuses on various governments throughout the world. Students will investigate a variety of governing philosophies and political relationships. Students are expected to take the AP Exam following the completion of the course.

AP Government and Politics - US (5) S  
Grade: 9-12
1 Credit - NCWISE # 40047C

PREREQUISITE: Civics & Economics

This course presents an analytical view of government and politics in the United States. Students will learn general concepts used to interpret U.S. politics in order to analyze specific examples within our government. Students are expected to take the AP Exam following the completion of the course.

AP Macroeconomics (5) S  
Grade: 9-12
1 Credit - NCWISE # 40547

PREREQUISITE: Civics and Economics

This course is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops familiarity with economic performance measures, economic growth, and international economics. Students are expected to take the AP Exam following the completion of the course.

AP Microeconomics (5) S  
Grade: 9-12
1 Credit - NCWISE # 40557

PREREQUISITE: Civics and Economics

This course provides students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students are expected to take the AP Exam following the completion of the course.

AP U.S. History (5) S  
Grade: 11-12
1 Credit - NCWISE # 40217C

PREREQUISITE: American History I: The Founding Principles (Honors)

This course surveys American history from the colonial period to the present with emphasis on the 19th and 20th centuries. Students will investigate social, cultural, political, and economic trends and how these have impacted the development of the United States. Students are expected to take the AP Exam following the completion of the course. This course will also serve to fulfill the American History II requirement.

AP European History (5) S  
Grade: 9-12
1 Credit - NCWISE # 40237C

PREREQUISITE: World History

This course surveys European history from approximately 1450 until the present. Students will investigate economic, social, cultural, intellectual, political and diplomatic themes and develop analytical thinking and persuasive writing skills. Students are expected to take the AP Exam following the completion of the course.

AP Psychology (5) S  
Grade: 9-12
1 Credit - NCWISE # 40807C

This course introduces the systemic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principals, and phenomena associated with each of the major subfields within psychology. Students are expected to take the AP Exam following the completion of the course.
History of Math and Science (3) S  
Grade: 9-12  
1 Credit - NCWISE # 30802CCS

History of Math and Science - Honors (4) S  
1 Credit - NCWISE # 30805CS

PREREQUISITES: World History and Algebra II  
This course is designed to introduce students to the development of mathematics and the sciences. It addresses three broad time periods: ancient times including the astronomy of the Mayans and geometry of the Egyptians; the Middle Ages and Renaissance, including Arabian influence on European mathematics and the modern era. Students will examine original materials from mathematicians and scientists, such as Euclid’s “Elements”. Emphasis will be placed on the development of mathematical and scientific thought.

African-American History (3) S  
Grade: 9-12  
1 Credit - NCWISE #40092C

African-American History - Honors (4) S  
1 Credit - NCWISE # 40105CAA

This course places emphasis on African-American history from 1865 to the present. Students will focus on the demographic, legal, political, and economic struggles as well as the contributions that African-Americans have made to society.

American Civil War (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40102CCW

American Civil War - Honors (4) S  
1 Credit - NCWISE # 40105CCW

This course examines the time period 1850-1877. Students will focus on political, social, and economic issues as seen from both the Northern and Southern perspectives.

American Revolution (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40102CAR

American Revolution - Honors (4) S  
1 Credit - NCWISE # 40105CAR

This course focuses on the time period from colonialism through the American Revolution. Students will examine the founding and shaping of the United States. This course is an excellent introduction into U.S. History.

Bible as History (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40252C

Bible as History - Honors (4) S  
1 Credit - NCWISE # 40255C

This course is designed to give students a historical perspective of the Bible. Students will explore Hebrew history and discuss various topics in light of that history including the founding of the United States government and judicial system.

Psychology/Sociology (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40602C  
Union County Online NCWISE # 40602V

Psychology/Sociology - Honors (4) S  
1 Credit - NCWISE # 40805C  
Union County Online NCWISE # 40605V

This is a combination course where students will study both psychological and sociological issues. During the first half of this course the focus will be on psychological concepts and theories including contemporary issues in the field. The course focuses on the systemic and scientific study of the behavior and mental processes of human beings. During the second half of the course students will focus on sociological concepts and current issues. Students will develop a core body of knowledge about human social activity and interaction.

Remember the Holocaust (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40102CHO

Remember the Holocaust - Honors (4) S  
1 Credit - NCWISE # 40105CHO

This course explores the origins and consequences of the Holocaust. Students will investigate this topic through examining primary source documents and analyzing the foundations and results of genocide situations. Readings, research projects, essays and class speakers will also be utilized in this class.

Twentieth Century America (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40102C20

Twentieth Century America - Honors (4) S  
1 Credit - NCWISE # 40105C20

This course investigates the development of 20th Century America. Students will survey the economic, political, social, diplomatic and military developments of America in a modern age.
Global Awareness (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40062C  
Union County Online NCWISE # 40062V  
Global Awareness - Honors (4) S  
1 Credit - NCWISE # 40065C  
Union County Online NCWISE # 40065V  
This course is a combination of geography, current events and globalization. Students will study current issues facing different countries and brainstorm sustainable solutions throughout the course. A critical component is to have students correspond and do joint projects with students in other countries through a variety of mediums.

The Cold War (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40242CW  
The Cold War - Honors (4) S  
1 Credit - NCWISE # 40245CW  
This course studies the direct and indirect battles associated with the post-World War II ideological conflict between the former Soviet Union and the United States and how this has impacted U.S. relations with the global community. The course also looks at other countries, networks and regions such as Iran, Al Qaeda, North Korea, Afghanistan, Latin America, and Iraq who had connections to the Cold War. Relevant lessons of the Cold War are also addressed and a focus is placed on how these lessons can help promote informed judgments by contemporary American citizens.

Twentieth Century Liberties and Civil Rights (3) S  
Grade: 9-12  
1 Credit - NCWISE #40212TC  
Twentieth Century Liberties and Civil Rights - Honors (4) S  
1 Credit - NCWISE #40215TC  
This course accentuates the history, struggles, successes and similarities of diverse groups of twentieth-century Americans who protested on behalf of civil liberties and civil rights. The course begins with an understanding of America’s founding documents – The Declaration of Independence and the United States Constitution – and the conceptual and historical paradoxes of each. The course also emphasizes the flexibility of the U.S. Constitution, and specifically the impact of additional amendments over time and their varying interpretations on both civil liberties and civil rights during the Twentieth Century. The thrust of the course should be the historical narrative of a people who persevered to give greater meaning to the founding creed and founding American documents.

Turning Points in American History (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40212P  
Turning Points in American History - Honors (4) S  
1 Credit - NCWISE # 40215P  
This course emphasizes 10-15 key turning points in American History. These turning points are “hinge” events in our nation’s history, caused by, and subsequently contributing to, major social, cultural, political, and/or economic events. Turning points chosen for this course will not need to be events that have been popularly discussed in the standard U.S. History survey course. They will be “off-centered” to allow students an opportunity to study, in depth, a potentially fresh topic in United States History.

21st Century Geography (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40302  
21st Century Geography - Honors (4) S  
1 Credit - NCWISE # 40305  
This course emphasizes the increasing interconnectedness of Earth’s people due to globalization, as well as the notion of “spatial variation” – how and why things differ from place to place both physically and culturally on the earth’s surface. This course also focuses on the ongoing process of increasing interconnectedness and interdependence among humankind.

World Humanities Seminar (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40902  
World Humanities Seminar - Honors (4) S  
1 Credit - NCWISE # 40905  
This course begins with a focus on the ancient cultures of the Mediterranean and Europe. Classical cultures centered on Athens, Jerusalem, and Rome are also studied through the birth and evolution of the Medieval World. This course emphasizes the study of Europe and the non-western cultures from Asia, Africa and the Middle East from the 16th century to the modern era. The latter emphasis will be on the cultural world of the Reformation, the Renaissance and the political revolutions of the 18th and 19th centuries. Course content is to be studied through a contemporary global lens.

American Humanities Seminar (3) S  
Grade: 11-12  
1 Credit - NCWISE # 40902A  
American Humanities Seminar - Honors (4) S  
1 Credit - NCWISE # 40905A  
PREREQUISITE: American History II or AP US History  
This course emphasizes the human journey associated with being and/or becoming American. This course uses an historical lens to discover and question through
broad humanistic movements – literary, artistic, linguistic, philosophical and religious – the cultural uniqueness of the United States. An additional point of emphasis for American humanities will be popular culture and the mediums in which that culture has been expressed. The course accentuates a variety of voices representative of the American experience over time. The course coverage will range from the early national period to the modern era.

Global Experience (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40242G

Global Experience - Honors (4) S  
1 Credit - NCWISE # 40245G

This course is designed to prepare high school students to engage in an analysis of cultural issues as they develop a broader global awareness. The purpose is to enable students to achieve personal and professional success and is intended to serve students participating in travel-abroad programs. This is an interdisciplinary course intended to help students synthesize experiences and information from many disciplines into an understanding of the world, its peoples and the challenges of the future. Global Experience students will also develop their written and oral communication skills and creativity through a myriad of online collaborative tools.

Global Citizen (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40242GC

Global Citizen – Honors (4) S  
1 Credit - NCWISE # 40245GC

This course offers students the opportunity to become more globally aware of issues around the world and offers the opportunity to help solve them. This course will address some of the world’s greatest challenges: extreme poverty and hunger, universal education, gender equality, child mortality, maternal health, HIV/AIDS and other diseases, environmental sustainability, sustainable local economies, armed conflict, and natural disasters, to name a few. Students will familiarize themselves with local leaders and build communication, writing, technological, and political skills. The Honors level of this course will include a 20-hour community service requirement and an oral presentation.

Multicultural Women’s Studies (3) S  
Grade: 9-12  
1 Credit - NCWISE # 40242GG

Multicultural Women’s Studies - Honors (4) S  
1 Credit - NCWISE # 40245GG

This course is an introduction to the study of women’s issues around the globe. The course compares social, cultural, political, economic, and family issues on a global scale. The course also focuses on the role of women in the workplace, relationships between women and men, the historical basis of female subordination, and movements for social change. Intersections of ethnicity, class, and gender will also be explored.
WORLD LANGUAGES

World Language skills are key to global competence, national security, career advantages and travel. World language skills also improve first language skills. World language courses focus on developing communication skills and proficiency in the language of study. This includes conversing with others, comprehending written and spoken language, and presenting to others through speaking and writing. Students compare their own culture to the culture of study.

North Carolina’s state colleges and universities entrance requirements include a minimum of two credits of world language study of the same language. Selective colleges and universities recommend four or more credits of world language study. It is best to study a world language without lapses between courses, particularly Levels I and II. Honors credit is awarded for Levels III, IV and V.

The availability of languages may vary per school. See North Carolina Virtual Public Schools http://www.ncvps.org/index.php/courses/catalogue for languages or levels available, in particular for Arabic, Chinese, French, German, Japanese, Latin and Russian. Native-speakers and students who qualify to be placed in a world language course for which the student has not completed the prerequisite may request to take the final exam or placement exam. A score of 80% or above can qualify for placement purposes but does not award credit.

French

French I (3) S
1 Credit - NCWISE # 10412C
Grade: 9-12
French I is an introduction to the study of a second language through the four communication skills of listening, speaking, reading, and writing. Culture, geography, and grammar are integrated into the course.

French II (3) S
1 Credit - NCWISE # 10422C
PREREQUISITE: French I
Students continue the development of their ability to communicate using their listening, speaking, reading, and writing skills as they study past, present and future time. Culture, geography and grammar are studied in greater depth.

French III - Honors (4) S
1 Credit - NCWISE # 10435C
PREREQUISITE: French II
Students expand their listening, speaking, reading, and writing skills. Art, music, informational text, history and literature of the culture are presented. Classes are conducted primarily in French.

French IV - Honors (4) S
1 Credit - NCWISE # 10445C
Grade: 9-12
PREREQUISITE: French III
This course teaches students to communicate in writing and in extended conversations on a variety of topics with greater accuracy. Students begin to research authentic resources, narrate, discuss, and support fairly complex ideas and concepts. Classes are conducted primarily in French.

Advanced Survey of French Language and Culture - Honors (4) S
1 Credit - NCWISE # 10985CAF
Grade: 9-12
PREREQUISITE: French IV and teacher recommendation
This is an advanced survey of language and culture through film, art, literature, history, conversation and current events. This class will be conducted in the target language using culturally authentic materials in the French Language. A major focus of this course is to further enable students to communicate in writing and in extended conversations on a variety of topics. Students will continue to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics. Classes are primarily conducted in French.

French V Advanced French Language and Composition - Honors (4) S
1 Credit - NCWISE # 10455C
Grade: 9-12
(AP Companion Course)
PREREQUISITE: French IV or teacher recommendation
In addition to developing advanced speaking and listening skills, students focus on reading, translation, interpretation of literature, and writing skills. Students will be introduced to the AP College Board format. Students are expected to enroll in AP French Language and take the AP exam.
AP French Language (5) S  Grade: 9-12
1 Credit - NCWISE # 10457C

AP French Language emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking) at a college level. The course follows the curriculum set forth by the College Board. Students are expected to take the AP exam.

German

German I (3) S  Grade: 9-12
1 Credit - NCWISE # 10602C

German I is an introduction to the study of a second language through the four skills of listening, speaking, reading, and writing. Culture, geography, and grammar are integrated into the course.

German II (3) S  Grade: 9-12
1 Credit - NCWISE # 10612C

PREREQUISITE: German I

Students continue the development of their listening, speaking, reading, and writing skills as they study past, present and future time. Culture, geography and grammar are studied in greater depth.

German III - Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 10625C

PREREQUISITE: German II

Students expand their listening, speaking, reading, and writing skills as they study past, present and future time. Art, music, informational text, history and literature of the culture are presented. Classes are conducted primarily in German.

German IV - Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 10635C

PREREQUISITE: German III

This course teaches students to communicate in writing and in extended conversations on a variety of topics with greater accuracy. Students begin to research authentic resources, narrate, discuss, and support fairly complex ideas and concepts. Classes are conducted primarily in German.

German V Advanced German Language - Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 10645C

(AP Companion Course)

PREREQUISITE: German IV or teacher recommendation

In addition to developing advanced speaking and listening skills, students focus on reading, translation, interpretation of literature, and writing skills. Students will be introduced to the AP College Board format. Students are expected to enroll in AP German Language and take the AP exam.

German

AP German Language (5) S  Grade: 9-12
1 Credit - NCWISE # 10647C

PREREQUISITE: French IV and teacher recommendation

AP German emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking) at a college level. The course follows the curriculum set forth by the College Board. Students are expected to take the AP exam.

Latin

Latin I (3) S  Grade: 9-12
1 Credit - NCWISE # 10802C

Latin I is an introduction to the study of the Latin language and Greco-Roman culture. It encourages students to learn basic functions of the language, become familiar with some elements of its culture and increase their understanding of English. Emphasis is placed on the development of skills in reading and comprehension of adapted Latin texts.

Latin II (3) S  Grade: 9-12
1 Credit - NCWISE # 10812C

PREREQUISITE: Latin I

This course continues the study of the Latin language and Greco-Roman culture. Students learn increasingly complex functions of the language, become familiar with an increasing number of elements of the culture, and increase their understanding of English.

Latin III - Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 10825C

PREREQUISITE: Latin II

In Latin III, grammar, vocabulary, word derivations and oral work are reinforced but the focus is on reading about the lives and works of famous authors and the culture of the ancient world.
Latin IV - Honors (4) S  
Grade: 9-12  
1 Credit - NCWISE # 10835C

PREREQUISITE: Latin III

Latin IV focuses on authentic Latin texts and the connection of Latin to other disciplines. Emphasis is placed on figures of speech, analysis and essay writing. Grammar is taught in context. Greco-Roman culture is studied in depth, as is its influence around the world and on the student's own culture and language.

Mandarin Chinese

Mandarin Chinese I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 10462C

Chinese I is an introduction to the study of a Mandarin Chinese through the communication skills of listening and speaking, while learning to read and write “Simplified” characters and pinyin. Culture, geography, vocabulary and grammar studies are integrated into the course goals of communicating in Mandarin Chinese.

Mandarin Chinese II (3) S  
Grade: 9-12  
1 Credit - NCWISE # 10472C

PREREQUISITE: Mandarin Chinese I

Students continue to develop their ability to communicate using Mandarin Chinese for listening and speaking, while improving their ability to read and write “Simplified” characters and pinyin. The integration of culture, geography, vocabulary and grammar for the purpose of communicating in Mandarin Chinese are studied in greater depth.

Mandarin Chinese III - Honors (4) S  
Grade: 9-12  
1 Credit - NCWISE # 10485C

PREREQUISITE: Mandarin Chinese II

Students expand their Mandarin Chinese listening and speaking abilities as well as reading and writing skills using “Simplified” characters rising to greater levels of accuracy. Art, music, informational text, history and literature of the culture are presented. Classes are conducted primarily in Mandarin Chinese.

Mandarin Chinese IV - Honors (4) S  
Grade: 9-12  
1 Credit - NCWISE # 10495C

PREREQUISITE: Mandarin Chinese III

This course teaches students to communicate in writing and in extended conversations on a variety of topics with greater accuracy in Mandarin Chinese. Grammar and the writing of “Simplified” characters are extended to higher levels. Students begin to research authentic resources, narrate, discuss, and support fairly complex ideas and concepts. Classes are conducted primarily in Mandarin Chinese.

Mandarin Chinese V Advanced Chinese Language and Composition – Honors (4) S  
Grade: 9-12  
1 Credit – NCWISE # 13455M (AP Companion Course)

PREREQUISITE: Mandarin Chinese IV or teacher recommendation

In addition to developing advanced speaking and listening skills, students focus on reading, translation, interpretation of literature, and writing skills. Students will be introduced to the AP College Board format. Students are expected to enroll in AP Chinese Language and take the AP exam.

AP Mandarin Chinese Language (5) S  
Grade: 9-12  
1 Credit – NCWISE # 13457M

PREREQUISITE: Mandarin Chinese IV and teacher recommendation

AP Chinese Language emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking) at a college level. The course follows the curriculum set forth by the College Board. Students are expected to take the AP exam.

Spanish

Spanish for Native Speakers I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 14012C

A student would take this course in lieu of Spanish I, II or III. This course is for those whose primary language is Spanish to improve their reading and writing skills. This course builds on existing Spanish skills and introduces the student to the formal and informal aspects of oral and literary Spanish. The differences between standard and non-standard Spanish are explored.

Spanish for Native Speakers II - Honors (4) S  
Grade: 9-12  
1 Credit - NCWISE # 14025C

PREREQUISITE: Spanish for Native Speakers I or teacher recommendation

In this course the student whose primary language is Spanish is exposed to more advanced literature and writing opportunities. Speaking practice includes formal presentations, debate and dramatic mini-performances. The course focuses on personal and social issues facing Latinos in the United States.
Spanish I (3) S
Grade: 9-12
1 Credit - NCWISE # 10512C

Spanish I is an introduction to the study of a second language through the four skills of listening, speaking, reading, and writing. Culture, geography, and grammar are integrated into the course. Students have limited or no prior study of the language.

Spanish II (3) S
Grade: 9-12
1 Credit - NCWISE # 10522C

PREREQUISITE: Spanish I

Students continue the development of their listening, speaking, reading, and writing skills as they study past, present and future time. Culture, geography and grammar are studied in greater depth.

Spanish III - Honors (4) S
Grade: 9-12
1 Credit - NCWISE # 10535C

PREREQUISITE: Spanish II

Students expand their listening, speaking, reading, and writing skills as they study past, present and future time. Art, music and literature of the culture are presented. In-depth grammatical study begins. Classes are conducted primarily in Spanish.

Spanish IV - Honors (4) S
Grade: 9-12
1 Credit - NCWISE # 10545C

PREREQUISITE: Spanish III or Spanish for Native Speakers II Honors

This course teaches students to communicate in writing and in extended conversations on a variety of topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics. Classes are primarily conducted in Spanish.

Advanced Survey of Spanish Language and Culture - Honors (4) S
Grade: 9-12
1 Credit - NCWISE # 10985CA

PREREQUISITE: Spanish IV and teacher recommendation

This is an advanced survey of language and culture through film, art, literature, history, conversation and current events. This class will be conducted in the target language using culturally-authentic materials in the Spanish Language. A major focus of this course is to further enable students to communicate in writing and in extended conversations on a variety of topics. Students will continue to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics. Classes are primarily conducted in Spanish.
### Spanish V Advanced Spanish Language and Composition - Honors (4) S
**Grade:** 9-12  
**1 Credit - NCWISE # 10555C** (AP Companion Course)

**PREREQUISITE:** Spanish IV or teacher recommendation

In addition to developing advanced speaking and listening skills, students focus on reading, translation, interpretation of literature, and writing skills. Students will be introduced to the AP College Board format. Students are expected to enroll in AP Spanish Language and take the AP exam.

### AP Spanish Language (5) S
**Grade:** 9-12  
**1 Credit - NCWISE # 10557C**

**PREREQUISITE:** Spanish IV and teacher recommendation

AP Spanish emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking) at a college level. The course follows the curriculum set forth by the College Board. Students are expected to take the AP exam.

### Arts

#### Fine Arts Education

There are twelve arts education courses that may have honors versions. Since honors courses were designed as comprehensive courses which embrace diverse knowledge and skills, they should be built upon introductory courses. Therefore, only the level III and IV courses of dance, band, vocal music, orchestra, theatre arts and visual arts will be considered as honors level courses.

#### Band

**Band I - Beginner Level (3) S**  
**Grade:** 9-12  
**1 Credit - NCWISE # 52552C**

**PREREQUISITE:** Audition or at least one year of previous band experience

Band I is designed to give all participants knowledge of their instrument, knowledge of the fundamentals of music theory, and a working knowledge of band literature. Credit is given for each semester the student is enrolled.

**Band II - Intermediate Level (3) S**  
**Grade:** 10-12  
**1 Credit - NCWISE # 52562C**

**PREREQUISITE:** Band I or Recommendation of Band Director

This course continues to build on the content learned in Band I. Students will be provided with opportunities to develop and demonstrate appropriate instrumental practices to include the playing of instrumental literature which may include changes in tempo, keys, and meters. Credit is given for each semester the student is enrolled.

**Band III - Proficient Level - Honors (4) S**  
**Grade:** 11-12  
**1 Credit - NCWISE # 52575C**

**PREREQUISITE:** Band II or Recommendation of Band Director

This course will provide students with an understanding of music in relation to styles of music, music periods, composers, and various cultures. Performance difficulty will be at Levels IV - V for honors. Credit is given for each semester the student is enrolled.

**Band IV - Advanced Level - Honors (4) S**  
**Grade:** 12  
**1 Credit - NCWISE # 52585C**

**PREREQUISITE:** Band III

This course involves the development of highly advanced proficiencies, including sight reading. Honors students will be at a performance difficulty of Level VI music. Credit is given for each semester the student is enrolled.
Class Piano (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52162C

Class Piano II (3) S  
1 Credit - NCWISE # 521622

Class Piano III (3) S  
1 Credit - NCWISE # 521623

PREREQUISITE: Teacher recommendation

These courses provide students the opportunity to study and develop skills in music reading, rhythm, chords, basic theory, and technical pianistic skills.

Jazz Ensemble I (3) S  
Grade: 9-12
1 Credit - NCWISE # 52552J

Jazz Ensemble II (3) S  
1 Credit - NCWISE # 52562J

Jazz Ensemble III - Honors (4) S  
1 Credit - NCWISE # 52575J

Jazz Ensemble IV – Honors (4) S  
1 Credit - NCWISE # 52585J

PREREQUISITE: Demonstrated ability/Recommendation of Band Director

This course provides students the opportunity to study and perform various styles and periods of jazz. Emphasis is on the development of performance skills and the techniques of improvisation.

Symphonic Band I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52552S

Symphonic Band II (3) S  
1 Credit - NCWISE # 52562S

Symphonic Band III – Honors (4) S  
1 Credit - NCWISE # 52575S

Symphonic Band IV - Honors (4) S  
1 Credit - NCWISE # 52585S

PREREQUISITE: Demonstrated ability/Recommendation of Band Director

Level 5 performance standards are achieved through the study and performance of Grade 5 and 6 band literatures. Opportunity for solo and small ensemble experience is included. Students develop individual musicianship as well as group performing skills. Marching may be included.

Music Theory (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52162M

Music Theory - Honors (4) S  
1 Credit - NCWISE # 52185C

This course will develop a student’s ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score.

AP Music Theory (5) S  
Grade: 9-12
1 Credit - NCWISE # 52157C

PREREQUISITE: Music Theory

This course introduces the student to musicianship, theory, musical materials, and procedures. It integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course, although may be taught as separate classes. The student’s ability to read and write musical notation is fundamental. It is also strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument.

World Music Drumming (3) S  
Grade: 9-12
1 Credit - NCWISE # 52172CW

World Music Drumming - Honors (4) S  
1 Credit - NCWISE # 52185CW

World Music Drumming develops students' listening skills. Students must not only listen for directions but also tones and intonation of the instrument and the part, so as to create a well-balanced, well-blended ensemble. Students also develop improvisational and drumming skills.

Theatre Arts

Students in grades 9-12 are encouraged to develop an understanding of theatre in relationship to themselves, their community, and other communication media. Students will also explore theatre as an art form, as a career possibility, and as entertainment.

Independent Study in Theatre Arts (3) S  
Grade: 10-12
1 Credit - NCWISE # 53162CID

PREREQUISITE: Teacher recommendation

This course is designed for students with a career interest in theatre. Students will spend time researching a specific area of interest and then produce an appropriate product that incorporates areas studied. Refer to guidelines regarding any independent study course.
**Musical Theatre (3) S**  
Grade: 11-12  
1 Credit - NCWISE # 53612CM  
**PREREQUISITE:** Audition and Interview  
This course prepares students for post-secondary instruction and/or a career in musical theatre. Students will review the history of musical theatre, assess different career options, and receive training in audition techniques. The course will also provide instruction on the three elements of musical theatre - song, drama, and dance - and create a framework in which these are blended seamlessly into an individualized performance style.

**Technical Theatre I (3) S**  
Grade: 9-12  
1 Credit - NCWISE # 53612C1  
Designed to develop knowledge and skills in the technical elements of play production, including theatre management, stagecraft, scene design, theatrical lighting, and music and sound effects.

**Technical Theatre II (3) S**  
Grade: 9-12  
1 Credit - NCWISE # 53612C2  
**PREREQUISITE:** Technical Theatre I  
This course is designed for students interested in pursuing further study in theatre management.

**Theatre Arts I (3) S**  
Grade: 9-12  
1 Credit - NCWISE # 53152C  
This course teaches students an appreciation for theatre through academic and practical experience. Students will be exposed to various areas of the theatre.

**Theatre Arts II (3) S**  
Grade: 10-12  
1 Credit - NCWISE # 53162C  
**PREREQUISITE:** Theatre Arts I  
This course is designed to develop the student’s working knowledge of acting, set design, make-up, costume, and directing. The student will build upon fundamental skills and apply them through actual performance opportunities.

**Theatre Arts III - Honors (4) S**  
Grade: 11-12  
1 Credit - NCWISE # 53175C  
**PREREQUISITE:** Theatre Arts II or Technical Theatre II  
This course consists of advanced individualized work in a seminar style course with an emphasis on in-depth research, analysis, application, and production.

**Theatre Arts IV - Honors (4) S**  
Grade: 11-12  
1 Credit - NCWISE # 53185C  
**PREREQUISITE:** Theatre Arts III Honors  
Course builds on Honors Theatre Arts III and includes student collaboration with directors and designers to develop unified production concepts for informal and formal theatre, film, television, or electronic media productions.

**Play Production (3) S**  
Grade: 11-12  
1 Credit - NCWISE # 53162CP  
**PREREQUISITES:** Theatre Arts I and II  
This course will introduce students to all of the components involved in the production of a play.

**Arts**

**Independent Study in Visual Arts (3) S**  
Grade: 10-12  
1 Credit - NCWISE # 54602CIS  
**PREREQUISITE:** Teacher recommendation  
Students will spend time researching a specific area of interest and then produce an appropriate product that incorporates all areas studied. Refer to guidelines regarding any independent study course.

**Photography I (3) S**  
Grade: 10-12  
1 Credit - NCWISE # 54622P  
**PREREQUISITE:** Art I  
This course provides academic credit for students in the area of photography (for example, students who take and develop pictures for the newspaper and the yearbook). It is also designed for those who want to pursue photography as an art form.

**Photography II (3) S**  
Grade: 10-12  
1 Credit - NCWISE # 54622CP2  
**PREREQUISITES:** Photography I and Art I  
Students learn and study the basics of photography composition in Photography I plus some manipulation on computer. Photography II would enable interested students to hone their skills using software for photo manipulation.
Pottery/Ceramics I (3) S  Grade: 9-12  
1 Credit - NCWISE # 54612C

**PREREQUISITE:** Art I

This course offers an introduction to clay involving hand-building and wheel techniques. Glazing procedures and their decorative quality will be studied as well as the history of clay with an emphasis on North Carolina Pottery.

Pottery/Ceramics II (3) S  Grade: 10-12  
1 Credit - NCWISE # 54622C

**PREREQUISITE:** Pottery/Ceramics I

This course is a more advanced study of hand-building and wheel techniques. The student will demonstrate a greater mastery of clay. Students will also research the common characteristics of world cultural/ethnic groups.

Printmaking I (3) S  Grade: 9-12  
1 Credit - NCWISE # 54162

**PREREQUISITE:** Art I

Printmaking explores various printing methods including relief, lithography, monoprinting, embossing, and screen printing. History of printmaking and numerous printmakers will be studied.

Printmaking II (3) S  Grade: 10-12  
1 Credit - NCWISE # 54162P

**PREREQUISITE:** Printmaking I

Printmaking II allows students to demonstrate advanced knowledge of the subject. Students will study various printmaking techniques and cultural groups.

Visual Arts I (3) S  Grade: 9-12  
1 Credit - NCWISE # 54152C

This is the foundation level for art study.

Visual Arts II (3) S  Grade: 9-12  
1 Credit - NCWISE # 54162C

**PREREQUISITE:** Visual Arts I or teacher recommendation

This course builds on the foundation of knowledge developed in Visual Arts I. Students research art and artists to gain knowledge and understanding of past and present art forms.

Visual Arts III - Honors (4) S  Grade: 10-12  
1 Credit - NCWISE # 54175C

**PREREQUISITE:** Any second level visual arts course and teacher recommendation

This course provides knowledge of the arts in relation to culture, history, other disciplines and careers. Art history, criticism, and aesthetics will be studied in order for students to develop a personal art philosophy.

Visual Arts IV - Honors (4) S  Grade: 11-12  
1 Credit - NCWISE # 54185C

**PREREQUISITE:** Visual Arts III Honors and teacher recommendation

Students will develop, clarify, and apply their philosophy of art through in-depth, independent, and advanced explorations with media, techniques, processes, and aesthetics. A portfolio evidencing high quality and understanding of personal art forms is developed and refined.

Computer Art (3) S  Grade: 10-12  
1 Credit - NCWISE # 54152CA

**PREREQUISITE:** Visual Arts II and submission of a portfolio for instructor

Student will explore digital art, 3d-animation and design using electronic media. Students will develop personal imagery focusing on the computer and relevant graphics software to resolve assigned problems.

AP Studio Art: 2D (5) S  Grade: 10-12  
1 Credit - NCWISE # 54537C

**PREREQUISITE:** Visual Arts II or an approved portfolio

This course involves two-dimensional design that involves purposeful decision-making about how to use art elements and principles. It is intended for highly motivated students interested in the study of art.

AP Studio Art: 3D (5) S  Grade: 10-12  
1 Credit - NCWISE # 54547C

**PREREQUISITE:** Visual Arts II or an approved portfolio

This course involves three-dimensional design that is intended to address a broad interpretation of sculptural issues in depth and space. It is intended for highly motivated students interested in the study of art.
AP Art History (5) S  
Grade: 10-12  
1 Credit - NCWISE # 54487C  
PREREQUISITE: Art I or teacher recommendation  
The AP Program in Art History is intended for highly motivated students who are interested in the study of art history. All students will be expected to participate in the AP Art History Exam.

AP Studio Art: Drawing (5) S  
Grade: 10-12  
1 Credit - NCWISE # 54527C  
PREREQUISITE: Visual Arts II or an approved portfolio  
The AP Program in Studio Art is intended for highly motivated students who are seriously interested in the study of art. The three main areas of focus are quality of students’ work, concentration on a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive means of the artist.

Vocal Music

Students participating in the vocal music program will have the varied course options listed below. Honors credit is available for the third and fourth level in each of the courses. A maximum of two (2) Vocal Music courses may be taken for Honors credit.

Concert Chorus I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52302CCC

Concert Chorus II (3) S  
1 Credit - NCWISE # 52312CCC

Concert Chorus III - Honors (4) S  
1 Credit - NCWISE # 52325CCC

Concert Chorus IV - Honors (4) S  
1 Credit - NCWISE # 52335CCC

PREREQUISITE: Audition or at least 1 year choral experience  
This is an advanced choral performance group with emphasis on advanced choral technique and performance in concerts, contests, and choral festivals. Standards include the following: technique, theory, sight reading, and mandatory practices and performances.

Ladies’ Chorus I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52302CLC

Ladies’ Chorus II (3) S  
1 Credit - NCWISE # 52312CLC

Ladies’ Chorus III - Honors (4) S  
1 Credit - NCWISE # 52325CLC

Ladies’ Chorus IV - Honors (4) S  
1 Credit - NCWISE # 52335CLC

PREREQUISITE: An audition may be required.  
This is a performing choral class composed of soprano and alto singers.

Men’s Chorus I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52302CMC

Men’s Chorus II (3) S  
1 Credit - NCWISE # 52312CMC

Men’s Chorus III - Honors (4) S  
1 Credit - NCWISE # 52325CMC

Men’s Chorus IV - Honors (4) S  
1 Credit - NCWISE # 52335CMC

PREREQUISITE: An audition may be required.  
This is a performing choral class composed of tenor and bass singers, preferably with prior experience in mixed chorus.

Mixed Chorus I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 52302CMX

Mixed Chorus II (3) S  
1 Credit - NCWISE # 52312CMX

Mixed Chorus III - Honors (4) S  
1 Credit - NCWISE # 52325CMX

Mixed Chorus IV - Honors (4) S  
1 Credit - NCWISE # 52335CMX

PREREQUISITE: An audition may be required  
This course is designed for a mixed choral group whose purpose will be to learn and perform a variety of vocal music. Emphasis is given to developing the skills of choral singing, developing a working knowledge of basic theory, and understanding musical style.
AFJROTC

Air Force Junior ROTC Program

(CATA, Monroe, Parkwood, Piedmont and Porter Ridge)

The Air Force Junior ROTC (AFJROTC) program is a character-building course which seeks to develop an informed citizen with a strong sense of self-reliance and awareness of citizenship responsibilities in today’s global society. This is reflected in the AFJROTC mission to: “Develop citizens of character dedicated to serving their nation and community.” The AFJROTC is designed as a four-year program. Although participation in the entire program is encouraged, students may take one to four years if desired.

Classes are fun, active and challenging. Classes meet with the same frequency as other full-credit classes. Regulation Air Force uniforms are issued free of charge and are worn once each week and for appropriate cadet functions. Appropriate military protocol is followed in the classrooms. Field trips to various military facilities are taken throughout the year to observe military operations first hand. Supervised orientation flights aboard military aircraft are offered when available from supporting military bases. The cadet corps color guard and drill teams compete against other JROTC units throughout the state and perform at school and community events. Cadets may be offered opportunities to attend Summer Leadership Schools and Summer Honors Programs. Corps’ activities and class work are designed to build camaraderie among the cadets, and students are given the opportunity to build on their social and leadership skills in a variety of challenging and enjoyable activities.

Students do not incur any military obligation with Junior ROTC. Further, the AFJROTC program is not a recruiting platform for the U. S. Military Services. Eligible students that complete a minimum of two years in AFJROTC can qualify for ROTC college scholarships, service academy appointments, and enlistment in advanced pay grades should they desire to pursue those options. ROTC college scholarships typically pay for tuition, fees and books. In addition, scholarship recipients each receive a tax-free monthly stipend (spending allowance) of $300 to $500.
JROTC IA - Aviation History through WWII (3) S
1 Credit - NCWISE # 95012CA  Grade: 9-12
This is a history course designed to acquaint the students with historical development and roles of the US military and flight through WWII. The leadership studies portion focuses on Air Force customs and courtesies, uniform wear, attitude and discipline, time and stress management, good study and test-taking skills, basic drill and physical fitness.

JROTC IB - Post WWII Aviation History through Today (3) S
1 Credit - NCWISE # 95012CB  Grade: 9-12
This is a history course designed to acquaint the students with the historical development and role of the US military and flight from post WWII through military operations occurring today. The leadership studies portion focuses health care, nutrition, physical fitness, drill, body image, drugs, alcohol, tobacco and US citizenship.

JROTC IIA - Science of Flight (3) S  Grade: 9-12
1 Credit - NCWISE # 95022CA
This course is designed to acquaint the student with the aerospace environment, the human requirements of flight, and the basic principles of aircraft flight, flight power, types of aircraft, and the principles of navigation. The leadership studies portion focuses on effective communication skills, basic leadership concepts, understanding individuals and group behavior, drill and physical fitness.

JROTC IIB - Global Studies of the Middle East, Asia and Africa (3) S
1 Credit - NCWISE # 95022CB  Grade: 9-12
The course introduces students to various regions of the world from geographic, historical and cultural perspective to increase international awareness. The leadership studies portion focuses on effective communication skills, basic leadership concepts, drill and physical fitness.

JROTC IIC - Global Studies of Russian and the Former Soviet Republic, Latin America and Europe (3) S
1 Credit - NCWISE # 95022CC  Grade: 9-12
The course introduces students to various regions of the world from geographic, historical and cultural perspective to increase international awareness. The leadership studies portion focuses on understanding individuals and group behavior, drill and physical fitness.

JROTC IIIA - Introduction to Astronomy (3) S  Grade: 9-12
1 Credit - NCWISE # 95032CA
This course is designed to introduce the student to the history of astronomy, the Earth, the Moon, the solar system and planets. The leadership studies portion focuses on career choices after high school and succeeding in job search, physical fitness and drill/staff functions.

JROTC IIIB - Exploration of Space (3) S  Grade: 9-12
1 Credit - NCWISE # 95032CB
This course is designed to introduce students to space exploration, orbits, spacecraft and launch vehicles and space mission operations and management. The leadership studies portion focuses on financial planning, banking, credit, investing, real life issues, physical fitness and drill/staff functions.

JROTC IIIC – Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 95035CC
PREREQUISITE: Recommendation of the Senior Aerospace Science Instructor (SASI)
In addition to completing the standard course curriculum for JROTC IIIA or JROTC IIIB, each student will select a topic of personal or professional interest connected to national security, the military or AFJROTC and approved by the SASI. The student will complete a three-part honors project on the selected topic as follows: a research paper or physical project, a portfolio/notebook that contains documentation of the project process throughout the semester and an eight to ten minute PowerPoint presentation to the project committee.

JROTC IV A - Cadet Management & Survival (3) S  Grade: 9-10
1 Credit - NCWISE # 95042CA
The cadet management portion affords the cadets the opportunity to put the theories of previous leadership courses into practices. The survival instruction will provide instruction in the skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. The leadership studies portion focuses on understanding the fundamentals of managements, managing yourself, and others. It also includes physical fitness and drill/skill functions.

JROTC IV B - Cadet Management (3) S  Grade: 9-12
1 Credit - NCWISE # 95042CB
The cadet management portion affords the cadets additional opportunities to put the theories of previous leadership courses into practice. The leadership studies portion focuses on additional fundamentals of management and leadership, physical fitness and drill/staff functions.
JROTC IV C – Honors (4) S  Grade: 9-12
1 Credit - NCWISE # 95045CC

PREREQUISITE: Recommendation of the Senior Aerospace Science Instructor (SASI)

In addition to completing the standard course curriculum for B-904A JROTC IVA or B-904B JROTC IVB, each student will select a topic of personal or professional interest connected to national security, the military or AFJROTC and approved by the SASI. The student will complete a three-part honors project on the selected topic as follows: a research paper or physical project, a portfolio/notebook that contains documentation of the project process throughout the semester and an eight to ten minute PowerPoint presentation to the project committee.

JROTC V - Aviation Ground School (3) S  Grade: 9-12
1 Credit - NCWISE # 95042C4

This course is the foundation for students interested in receiving a private pilot's license. When the course is completed the students should be prepared to take and pass the Federal Aviation Administration (FAA) written examination. The leadership studies portion focuses on leadership theory and leadership styles. It also includes physical fitness and drill/staff functions.

JROTC VI - Drill and Ceremonies (3) S  Grade: 9-12
1 Credit - NCWISE # 95042C6

PREREQUISITE: Must take second JROTC course concurrently or in the fall

The Drill and Ceremonies course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn Air Force drill concepts and procedures at the appropriate level commensurate with their enrollment experience.
NJROTC

Naval Junior ROTC Program

(Forest Hills, Sun Valley only)

The NJROTC accredited curriculum emphasizes citizenship and leadership development, as well as maritime heritage, the significance of sea power, and naval topics such as the fundamentals of naval operations, seamanship, navigation and meteorology. Classroom instruction is augmented throughout the year by extra-curricular activities of community service, academic, athletic, drill and orienteering competitions, field meets, flights, visits to naval or other activities, marksmanship sports training, and physical fitness training. Electronic classroom equipment, textbooks, uniforms, educational training aids, travel allowance, and a cost-share of instructors’ salaries are provided by the Navy.

The NJROTC promotes patriotism, develops informed and responsible citizens, respect for constituted authority, and leadership potential. NJROTC promotes high school completion, higher education and community service.

The purpose is to develop a high degree of personal honor, self-reliance, individual discipline and leadership skills.

NJROTC promotes an understanding of the basic elements and need for national security and provides information on the military services as a possible career.

Students do not incur any military obligation with Junior ROTC. Further, the NJROTC program is not a recruiting platform for the U. S. Military Services. Eligible students that complete a minimum of two years in NJROTC can qualify for ROTC college scholarships, service academy appointments, and enlistment in advanced pay grades should they desire to pursue those options. ROTC college scholarships typically pay for tuition, fees and books. In addition, scholarship recipients each receive a tax-free monthly stipend (spending allowance) of $300 to $500.

**Cadet Field Manual (3) S**

*Grade: 9-12*

1 Credit - NCWISE # 95012CFM

This course instructs cadets on the proper wearing of the Navy uniform, military customs and courtesies and introduces military drill.

**Intro to NJROTC (3) S**

*Grade: 9-12*

1 Credit - NCWISE # 95022CIN

**PREREQUISITE:** Cadet Field Manual

This course teaches the cadets about the history of the JROTC program, citizenship, laws, authority and responsibility.

**Maritime History (3) S**

*Grade: 10-12*

1 Credit - NCWISE # 95032CMH

**PREREQUISITES:** Cadet Field Manual and Intro to NJROTC

This course teaches cadets the history of wars at sea, strategy and tactics used in battle and an overview of the U.S. Navy.

**Nautical Sciences (3) S**

*Grade: 10-12*

1 Credit - NCWISE # 95042CNV

**PREREQUISITES:** Cadet Field Manual and Intro to NJROTC

This course teaches the cadets about maritime geography, oceanography, meteorology, astronomy and aeronautical science. This course may be completed as a science elective.

**Naval Knowledge (3) S**

*Grade: 10-12*

1 Credit - NCWISE # 95042CNK

**PREREQUISITES:** Cadet Field Manual and Intro to NJROTC

This course teaches the cadets about the importance of sea power, national security and the laws of the sea.

**Naval Skills (3) S**

*Grade: 10-12*

1 Credit - NCWISE # 95042CNS

**PREREQUISITES:** Cadet Field Manual and Intro to NJROTC

This course teaches the cadets about ship board life, rules of the road, and navigation.
Leadership Theory - Ethics (3)  Grade: 10-12  
1 Credit - NCWISE # 95042C7  

PREREQUISITES: Cadet Field Manual and Intro to NJROTC  
This is an advanced course that teaches cadets about ethics, morals and has real life case studies concerning these issues.

Leadership Theory – Responsibility (3)  Grade: 10-12  
1 Credit - NCWISE # 95042C8  

PREREQUISITES: Cadet Field Manual and Intro to NJROTC  
This is an advanced course that teaches cadets about being in positions of authority and their responsibilities for others.
Miscellaneous Courses

Academic Orientation (3) S  
Grade: 9  
1 Credit - NCWISE # 95202BAO

This course is designed to provide additional academic support for ninth grade students. The focus of this class will be to improve the student’s fundamental skills in the areas of Math and English. This class will involve critical fundamental pieces of the curricula from both Fundamentals of Algebra and Modular English.

Advanced Computer Science Topics – Honors (4) S  
Grade: 10-12  
1 Credit - NCWISE # 25045C (AP Companion Course)  
PREREQUISITE: Advanced Functions & Modeling

This course is paired with AP Computer Science A to help students design and carry out programming projects and to understand the conceptual framework, factual knowledge and analytical skills necessary for the AP Computer Science A. This does not count as a math credit towards graduation.

AP Computer Science A (5) S  
Grade: 10-12  
1 Credit - NCWISE # 25087C  
PREREQUISITE: Advanced Functions & Modeling

The AP Computer Science course is designed to be the equivalent of a first semester college-level course in Computer Science. The course will use Java programming language to emphasize object-oriented programming methodology with a concentration on problem solving and algorithm development. Students are expected to take the AP exam in May. This does not count as a math credit towards graduation.

Career Management (3) S  
Grade: 9-12  
1 Credit - NCWISE # 61452C

Career Management (3) Y  
1 Credit - NCWISE # 61452B

Designed to develop the fundamental attitudes and behaviors needed to secure employment and advance in a career. Skills are generic to all occupations, and emphasize proficiency in the workplace, problem solving, teamwork, and self-management. In addition, skills are developed which are specific to investigating, securing, and maintaining appropriate employment.

Freshman Focus (3) S  
Grade: 9  
1 Credit - NCWISE # 95202CFF

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.

Academic Competition (3) S  
Grade: 9-12  
1 Credit - NCWISE # 95202CAC  
PREREQUISITE: Teacher recommendation

This course will allow students involved in academic competitions like Odyssey of the Mind, Science Olympiad and Quiz Bowl to prepare for competition. Students may earn elective credit for each time the course is taken.

Leadership Skills I (3) S  
Grade: 9-12  
1 Credit - NCWISE # 95202CL

Leadership Skills II (3) S  
1 Credit - NCWISE # 95202CL2

Leadership Skills III (3) S  
1 Credit - NCWISE # 95202CL3

Leadership Skills IV (3) S  
1 Credit - NCWISE # 95202CL4

Designed to develop leadership potential in students, this course includes studies of effective leadership styles and character values. It also provides first-hand experience in organizing, promoting, and implementing projects.
Library Media Information Skills (3) S  Grade: 10-12
1 Credit - NCWISE # 95152C

PREREQUISITE: Application and Media Coordinator Approval

Student will explore and evaluate a variety of print and non-print resources to interact with ideas in an information-intensive environment. Topics include research strategies, ethical behavior, and the use of technologies for information retrieval and automation of media center functions. Credit will be given for each semester the student is enrolled in the course.

Media Literacy (3) S  Grade: 10-12
1 Credit - NCWISE # 95202CMP

PREREQUISITE: Application and Media Coordinator/Instructor approval

Students will apply production techniques while creating multimedia projects and/or school news broadcast over closed circuit networks. Topics include scriptwriting, identification of media bias, graphics production, visual advertising, and digital/video editing. Credit will be given for each semester the student is enrolled in the course.

Peer Tutoring (3) S  Grade: 11-12
1 Credit - NCWISE # 95202CPT

PREREQUISITE: Principal selection

This course is designed to involve students in maintaining a positive climate in the schools. Students are selected for the program on the basis of leadership and helping ability. Students who demonstrate effective helping skills in the classroom may apply to take Peer Tutoring more than once based on teacher evaluation and recommendation. The course may be taken a maximum of four times during the last two years of high school.

SAT Test Prep (3) S  Grade: 10-12
1 Credit - NCWISE # 95102C

PREREQUISITE: Geometry

This course is strongly recommended for students planning to attend community colleges or four-year universities. Test-taking strategies, vocabulary study, reading comprehension, and mathematics review will be the primary focus with emphasis on PSAT and SAT.

ACT Test Prep (3) S  Grade: 10-12
1 Credit - NCWISE # 95102CA

Union County Online NCWISE # 95102VAC

This course is strongly recommended for students planning to attend community colleges or four-year universities. Test-taking strategies, vocabulary study, reading comprehension, mathematics, and science skills review will be the primary focus with emphasis on the PLAN, ACT and Accuplacer tests.

Study Skills Support Lab (2) S  Grade: 9-12
1 Credit - NCWISE # 95502C

This course is designed to provide additional academic support for students in regular classes. In addition to providing support for regular class work, teachers will also teach study skills and academic skills to fit the individual students’ needs. The student may receive other-academic elective credit for two times he/she takes the course. Students being served in the Exceptional Childrens’ Department may receive other-academic elective credit up to four times as deemed appropriate by the teacher / counselor. Students are recommended by their counselor or academic teachers for this course.

Teacher Cadet I (3) S  Grade: 11-12
1 Credit - NCWISE # 95122C

PREREQUISITE: Teacher Cadet I

This course introduces students to the profession of teaching. Along with various instructional practices and activities, the students are involved in a classroom experience at the elementary or middle school level. (With the approval of the instructor, students may complete the experience at the high school level.)

Teacher Cadet II (3) S  Grade: 11-12
1 Credit - NCWISE # 95132C

PREREQUISITE: Teacher Cadet II

This course continues to introduce students to the profession of teaching. Students learn to prepare lessons and are involved in a classroom experience at the elementary or middle school level. (With the approval of the instructor, students may complete the experience at the high school level.)

Teacher Cadet III - Honors (4) S  Grade: 12
1 Credit - NCWISE # 95135C3

PREREQUISITE: Teacher Cadet II

This course is recommended for rising seniors who have a desire to become future educators. It provides the opportunity to explore the field of education through an internship with a
mentoring teacher in an elementary or middle school setting. This course requires the student to participate in the state level NC Teacher Cadet Program.

**Teacher Cadet IV - Honors (4) S**  
Grade: 12  
1 Credit - NCWISE # 95135C4  
**PREREQUISITE:** Teacher Cadet III  
This course will allow rising seniors who have a desire to become future educators and who have completed the Teacher Cadet I, II and III courses, the opportunity to explore the field of education through an internship with a mentoring teacher in an elementary or middle school setting. This course requires the student to participate in the state level NC Teacher Cadet Program.

**Pre-College Reading (3) S**  
Grade: 10-12  
1 Credit - NCWISE # 95102CC  
This course deals with improving comprehension and study skills including critical reading and thinking skills, mastery of the dictionary and library reference skills.

**Reading Across the Curriculum (3) S**  
Grade: 9-12  
1 Credit - NCWISE # 10012C  
This course is designed to enhance and support students’ reading in all subject areas. Vocabulary development will be a major part of this course.
INTERNATIONAL BACCALAUREATE PROGRAM

The IB program is a comprehensive and challenging pre-university course of study that demands the best from both motivated students and teachers. Students completing this program will meet the requirements for a NC diploma. The availability of all courses will depend on meeting the minimum class size requirements. Most IB courses will follow A/B day schedule over a two year period to meet the required program hours. Other Union County high school students will be eligible to apply to the Marvin Ridge High School IB program based upon the availability of slots.

Over the course of the two-year program, students:

• study six subjects chosen from the six subject groups
• complete an extended essay
• follow a theory of knowledge course (TOK)
• participate in creativity, action, service (CAS)
Information Technology in a Global Society - HL 1 (5) Y
1 Credit - NCWISE # 64308BJ  Grade: 11

Information Technology in a Global Society - HL 2 (5) Y
1 Credit - NCWISE # 64308BS  Grade: 12

This two-year course is designed to examine the issues and ethical questions raised by the use of technology and information systems and to help students to make informed judgments and decisions regarding technology within social contexts. Students will begin the two-year course in the fall of their junior year and will be involved in current research utilizing journals, magazines, Internet sites and other resources. The course will also improve student understanding of technology through the use of multimedia applications.

English A I - HL 1 (5) Y  Grade: 11
1 Credit - NCWISE # 10238BJ

English A I - HL 2 (5) Y  Grade: 12
1 Credit - NCWISE # 10248BS

PREREQUISITES: Honors English I and Honors English II

This is a two-year course in which students will study several literary works which represent a variety of genres, time periods and cultures. The focus of this course will be to examine literary style and structure, to analyze themes and ideas, and to identify connections between and among the readers and the various works studied. Translations (works first written and published in a language other than English) are required for study. Essays, personal reactions, original research ideas and papers, as well as projects are required assessments for this course. The purpose is to develop students who are critical readers capable of demonstrating their appreciation and understanding of a writer’s style and their own world views as well as the views of others.

Theory of Knowledge (5) S  Grade: 11
1 Credit - NCWISE # 95638BJ

Theory of Knowledge (5) S  Grade: 12
1 Credit - NCWISE # 95638BS

PREREQUISITE: IB candidate status

This course centers on the questions “What do you know?” and “How do you know it?” To help IB candidates answer the questions, the course fosters the development of critical thinking skills involving asking good questions, using language effectively, supporting ideas with evidence and developing logic, unity, and coherence in argument and writing expression. IB candidates will be encouraged to seek the inner connectedness among the disciplines in the Diploma Programme Hexagon, analyzing and challenging what they have always accepted as conventional wisdom.

IB Philosophy – SL (5) Y  Grade: 11-12
1 Credit - NCWISE # 40968

PREREQUISITE: Prior Approval

The Philosophy course is designed to enable and encourage students to deal with issues that are profound, complex, challenging and important for humanity. The class will explore fundamental questions concerning things such as the nature of existence, and it will also confront contemporary problems arising in society today, including those that result from international interaction.

IB Economics – SL (5) Y  Grade: 11-12
1 Credit - NCWISE # 40508

PREREQUISITE: Prior Approval

The Economics course is designed to foster an understanding of the principles of economics that apply to an economic system as a whole. Students will become familiar with economic performance measures, economic growth, and international economics. Students will also develop an understanding of the principles of economics that apply to the behavior of the individual decision maker within the larger economic system.

IB Business and Management BE – SL (5) Y  Grade: 11-12
1 Credit - NCWISE # 62278

PREREQUISITE: Prior Approval

This course is designed to explore business decision-making processes and ethical and social responsibilities in both domestic and international environments. It is the study of both the way in which individuals and groups interact in an organization and of the transformation of resources. Students will develop an understanding of business theory as well as an ability to apply business principles, practices, and skills.

IB Mathematics – HL (5) Y  Grade: 11
1 Credit - NCWISE # 20788

IB Mathematics – HL (5) Y  Grade: 12
1 Credit - NCWISE # 20798

PREREQUISITE: Prior Approval

This two year course is designed for students who will continue in an academic study of mathematics after high school and for students who have a good background and genuine interest in mathematics and who enjoy meeting its challenges and problems. All students must study seven core topics: (1) algebra; (2) functions and equations; (3) circular functions and trigonometry; (4) matrices; (5) vectors; (6) statistics and probability; and (7) calculus. Students must also study all the subtopics in one of the following options: (8) statistics and probability; (9) sets, relations and groups; (10) series and differential equations, or (11) discrete mathematics.
Mathematics - SL 1 (5) Y
Grade: 11
1 Credit - NCWISE # 20818BJ

Mathematics - SL 2 (5) Y
Grade: 12
1 Credit - NCWISE # 20748BS

PREREQUISITES: Algebra I, Geometry, Algebra II, Pre-Calculus is a plus but not required.

This course will develop the student’s understanding of mathematics while preparing them for the International Baccalaureate Diploma. This two-year course includes all seven math content areas including Pre-Calculus in the first year with topics of algebra, functions and equations, trigonometry, matrices, vectors and probability and statistics. The second year includes Calculus with AP AB Calculus imbedded.

Math Studies - SL 1 (5) Y
Grade: 11
1 Credit - NCWISE # 20718BJ

Math Studies - SL 2 (5) Y
Grade: 12
1 Credit - NCWISE # 20728BS

PREREQUISITES: Algebra I and Geometry

IB Math Studies is a two-year course available at the Standard Level (SL). It is designed for students with varied backgrounds and abilities. Students taking this course need to possess fundamental skills and knowledge of processes of algebra and geometry. Inquiry is part of the class formation and class content will be linked to other content areas.

IB Chinese Language B - SL 2 (5) Y
Grade: 12
1 Credit - NCWISE #13458BS

PREREQUISITE: Chinese Language B – Standard Level 1

This course is designed to prepare students for the IB Chinese Language B Standard Level examination in order to earn the IB Diploma. As the second course in this two-year sequence, this course will develop advanced communicative proficiency in listening and speaking while reading and writing in Chinese using authentic written and audio resources of countries where Chinese is the dominant language. The class will be conducted entirely in Chinese.

IB French ab initio - SL 1 (5) Y
Grade: 11
1 Credit - NCWISE # 10448A

PREREQUISITE: 0-1 credits in French

The French ab initio course focuses on communication. The goal is for IB students to acquire the skills necessary to interact in everyday situations in reading, writing, listening and speaking, and to develop cultural awareness.

IB French ab initio - SL 2 (5) Y
Grade: 12
1 Credit - NCWISE # 10458A

This course prepares IB students for the IB French ab initio exam. The goal is for students to deepen their communication skills necessary to interact in everyday situations in conversation, reading, writing, listening, and speaking while showing awareness of some elements of the culture of French speakers.

IB Computer Science A (5) Y
Grade: 11-12
1 Credit NCWISE # 25088

The purpose of this course is to develop an understanding of 1) the range and organization of computer systems and 2) the use of computers in a variety of disciplines, applications and contexts.

IB Chinese Language B - SL 1 (5) Y
Grade: 11
1 Credit - NCWISE #10498BJ

PREREQUISITES: Chinese I, II, and III

As the first course of a two-year sequence, this course is designed to prepare students for the IB Chinese Language B Standard Level examination as one component of the IB Diploma. Students will begin to develop advanced communicative proficiency in the integrated core areas of listening, speaking, reading and writing in Chinese using authentic written and audio resources of countries where Chinese is the dominant language. The class will be conducted entirely in Chinese.

IB French Language B - SL 1 (5) Y
Grade: 11
1 Credit - NCWISE # 10448BJ

PREREQUISITES: French I, II and III

As the first course of this two-year sequence, this course is designed to prepare students for the IB French Language B Standard Level examination as one component of the IB Diploma. Students will begin to develop advanced communicative proficiency in the integrated core areas of conversation, listening, speaking, reading, and writing in French using authentic written and audio resources of countries where French is the dominant language. The class will be conducted entirely in French.

IB French Language B - SL 2 (5) Y
Grade: 12
1 Credit - NCWISE # 10458BS

PREREQUISITE: French Language B – Standard Level 1

This course is designed to prepare students for the IB French Language B Standard Level examination in order to earn the IB Diploma. As the second course in this two-year sequence, this course will develop advanced communicative
proficiency in conversation, listening and speaking while reading and writing in French using authentic written and audio resources of countries where French is the dominant language. The class will be conducted entirely in French.

IB German Language B - SL 1 (5) Y Grade: 11
1 Credit - NCWISE # 10638BJ
PREREQUISITES: German I, II and III
As the first course of this two-year sequence, this course is designed to prepare students for the IB German Language B Standard Level examination as one component of the IB Diploma. Students will begin to develop advanced communicative proficiency in the integrated core areas of conversation, listening, speaking, reading, and writing in German using authentic written and audio resources of countries where German is the dominant language. The class will be conducted entirely in German.

IB German Language B - SL 2 (5) Y Grade: 12
1 Credit - NCWISE # 10638BS
PREREQUISITE: IB German Language B – Standard Level 1
This course is designed to prepare students for the IB German Language B Standard Level examination in order to earn the IB Diploma. As the second course in this two-year sequence, this course will develop advanced communicative proficiency in listening and speaking while conversation, reading and writing in German using authentic written and audio resources of countries where German is the dominant language. The class will be conducted entirely in German.

IB Spanish Language B SL 1 (5) Y Grade: 11
1 Credit - NCWISE # 10548BJ
PREREQUISITES: Spanish I, II and III
As the first course of this two-year sequence, this course is designed to prepare students for the IB Spanish Language B Standard Level examination as one component of the IB Diploma. Students will begin to develop advanced communicative proficiency in the integrated core areas of conversation, listening, speaking, reading, and writing in Spanish using authentic written and audio of countries where Spanish is the dominant language. The class will be conducted entirely in Spanish.

IB Spanish Language B 2 (5) Y Grade: 12
1 Credit - NCWISE # 10558BS
PREREQUISITE: Spanish Language B Standard Level 1
This course is designed to prepare students for the IB Spanish Language B Standard Level examination in order to earn the IB Diploma. As the second course in this two-year sequence, this course will develop advanced communicative proficiency in conversation, listening and speaking while reading and writing in Spanish using authentic written and audio resources of countries where Spanish is the dominant language. The class will be conducted entirely in Spanish.

Biology - SL 1 (5) Y Grade: 11
1 Credit - NCWISE # 30218BJ
Biology - SL 2 (5) Y Grade: 12
1 Credit - NCWISE # 30218BS
PREREQUISITES: Biology I and Chemistry
Biology at the Standard Level is designed for those students who will study the core syllabus without a strong or knowledgeable background in Biology. The major themes of Biology (structure and function, universality and diversity, evolution, and systems homeostasis) will help unite the specific topics and assessment statement to develop a broad understanding of the nature of life. Assessment will follow the UCPS grading policy; however, students will also be scored using the IB mark schemes. The course also meets the Group 4 requirements for the IB Diploma.

Biology - HL 1 (5) Y Grade: 11
1 Credit - NCWISE # 30248BJ
Biology - HL 2 (5) Y Grade: 12
1 Credit - NCWISE # 30248BS
PREREQUISITES: Earth Science, Biology I, and Chemistry
Higher Level Biology will be taught as a rigorous two-year program that will prepare students for the International Baccalaureate Diploma. Students will focus on the knowledge base and develop inquiry skills and critical thinking processes. The two-year experience will provide students with a background that will allow them to make educated decisions affecting themselves, their community, and others on an international level. This will include societal issues such as cloning, genetic engineering, and stem cell research, and global uses such as climate change, biodiversity, human population, and global warming.
Chemistry - SL 1 (5) Y  Grade: 11
1 Credit - NCWISE # 30518BJ

Chemistry - SL 2 (5) Y  Grade: 12
1 Credit - NCWISE # 30518BS

PREREQUISITES: Biology, Earth Science, Honors Chemistry and recommended Pre-Calculus

This IB Chemistry course is a two-year course designed to give students opportunities to use various common chemistry equipment and computer technologies to complete all required laboratory exercises. Students in the course will collaborate, communicate, and seek creativity and diversity among their peers. A goal of the course is to provide a learning environment in which the students feel a sense of ownership and have a vested personal interest in the success of their peers and themselves.

IB Physics - SL 1 (5) Y  Grade: 11-12
1 Credit - NCWISE #30618BJ

IB Physics - SL 2 (5) Y  Grade: 11-12
1 Credit - NCWISE #30628BS

PREREQUISITE: Pre-Calculus

IB Physics is a two-year course offered at the Standard Level that focuses on the study of natural physical phenomena of the interaction of light, matter, and energy in a conceptual as well as quantitative manner. Laboratory work is emphasized and requires structured labs, research papers and experimental projects. Instruction is student-centered with cooperative learning as well as teacher direction, thus offering the student a college-level physics experience. An interdisciplinary group project helps students realize that all scientific disciplines share the common goal of understanding how the world works and that scientists can work together on problems to discover solutions to a common goal.

History of the Americas - HL 1 (5) Y  Grade: 11
1 Credit - NCWISE # 40268BJ

History of the Americas - HL 2 (5) Y  Grade: 12
1 Credit - NCWISE # 40268BS

PREREQUISITES: World History, Civics and Economics

IB History is a two-year course taught at Higher Level. The first year concentrates on the history of the Americas with some emphasis on American relations with Europe and Latin America. The course will incorporate the Common Core Standards of American History in addition to IB requirements. The second year of the course explores themes in World History through an in-depth study of an individual prescribed subject and the selection of two topics in the twentieth century. In addition to external exams, students will be internally assessed through demonstrating evidence of research skills, organization, and referencing through an individual historical investigation.

Visual Arts - HL 1 (5) Y  Grade: 11
1 Credit - NCWISE # 54498BJ

Visual Arts - HL 2 (5) Y  Grade: 12
1 Credit - NCWISE # 54498BS

PREREQUISITE: Art I and Teacher / IB Coordinator approval

IB Visual Arts is a two-year course in which IB students will focus on investigation of a self-directed topic in the arts, leading to qualifying for the IB Diploma. Students will express themselves visually through creation of art, orally through presentations of their work, and organizationally through writing in a research journal. Students will complete extensive studio work and keep an investigative workbook.

Visual Arts - SL (5) Y  Grade: 11
1 Credit - NCWISE # 544981J

Visual Arts - SL (5) Y  Grade: 12
1 Credit - NCWISE # 544982S

PREREQUISITE: Art 1

IB students will focus on investigations of a self-directed topic in the arts and express themselves visually through the creation of art, orally through presentations of their work, and organizationally through a research/reflection journal. The number of studio hours and work generated is about 10% less than in Visual Arts, Higher Level.

IB Theatre – SL (5) Y  Grade: 11
1 Credit - NCWISE # 53158C

IB Theatre – SL (5) Y  Grade: 12
1 Credit - NCWISE # 53168

PREREQUISITE: Teacher Recommendation

The IB Theatre Arts course will help students understand the nature of theatre through study and performance. Students will develop an understanding of the basic processes of theatrical production, demonstrate knowledge of the major developments and techniques in the theatrical history of more than one culture, and develop an ability to interpret play scripts and other theatrical texts analytically and imaginatively.

IB Music – SL (5) Y  Grade: 11
1 Credit - NCWISE # 52158J

IB Music – SL (5) Y  Grade: 12
1 Credit – NCWISE # 52158S

PREREQUISITE: Teacher Recommendation

The IB Music course is designed to promote a greater awareness and understanding of music through a variety of musical experiences. Students are encouraged to develop
knowledge and potential as musicians, both personally and collaboratively. Students will also develop perceptual and analytical skills, express ideas with confidence and competence, and explore the dynamic and changing nature of the arts through music.

CAREER ACADEMY OF SOUTH PROVIDENCE SCHOOL

In keeping with UCPS’s motto “Growing Possibilities!” - this program offers students at risk for dropping out of school an opportunity to complete the requirements for high school graduation in a non-traditional setting. UCPS recognizes that some students need to work to support families and tend to drop out of school to meet these obligations. The program is designed to offer flexibility around school and work hours, which provides the motivation to continue schooling while working. Additionally, the program is designed to exclude students who are on track for a 28 credit diploma. Career Academy Diploma program is a highly structured and limited opportunity for a select number of students whose circumstances may prevent graduation from high school. Students must complete 22 required and elective credits in order to receive a North Carolina high school diploma. The program is coordinated through the home school in conjunction with South Providence School.

Referrals are submitted by the school principal and reviewed by a committee of school system staff. Only students who demonstrate a high degree of motivation and cooperation will be accepted into the program.

Guidelines:

Students may have (unsuccessfully) completed 3 semesters and be 16 years old before admission to the program. Students entering high school for the first time at the age of 16 will be considered for the Career Academy. The school counselor and the principal will determine the appropriateness of placement into the program prior to the end of the 3rd semester of high school.

A plan for graduation will be developed for every student admitted to the program by the Dropout Prevention Counselor.

The school principal will have the authority to dismiss any student from the diploma program who is disruptive, uncooperative, or not making progress toward graduation. Only students displaying a significant hardship that will impede their ability to graduate from high school in the traditional fashion or who are strongly considering dropping out of school will be admitted.

The principal and the Dropout Prevention Committee reserve the right to deny admission to any student who does not meet the set criteria.

Students participating in the Career Academy of South Providence program must complete the following courses required by North Carolina State Department of Public Instruction.
Students Entering the 9th Grade 2012-2013 or After

<table>
<thead>
<tr>
<th>CONTENT AREA</th>
<th>FUTURE-READY CORE</th>
<th>COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 Credits</td>
<td>English I, English II, English III, English IV</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4 Credits</td>
<td>Algebra I, Geometry, Algebra II and an additional math course to be aligned with the student's post high school plans.</td>
</tr>
<tr>
<td>Science</td>
<td>3 Credits</td>
<td>A Physical Science course, Biology, Earth / Environmental Science</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4 Credits</td>
<td>World History, Civics and Economics, American History I: Founding Principles, American History II</td>
</tr>
<tr>
<td>World Language</td>
<td>Not required for graduation</td>
<td>Two World Language courses required to meet MAR (minimum application requirements) for UNC</td>
</tr>
<tr>
<td>Health / Physical Education</td>
<td>1 Credit</td>
<td>Health / Physical Education</td>
</tr>
</tbody>
</table>
Occupational Course of Study

The Occupational Course of Study (OCS) curriculum is one of two courses of study through which a student may earn a high school diploma. Students eligible for this curriculum must have an Individualized Education Plan (IEP) and a recommendation from the student’s IEP team. Students are only considered for OCS if the IEP team has determined that due to the student’s ability levels and post secondary goals, the Future Ready Core Course of Study is not appropriate. The student and parent are responsible for the decision of the course of study. Students enter the program in the ninth grade.

English - 4 credits must be OCS
English I, OCS English II, OCS English III and OCS English IV

OCS Mod. English (1) S – a local requirement  Grade: 9 - 10
1 Credit - NCWISE # 10102C
In this course, students will begin to explore text, types and purposes in literature and writing, along with vocabulary and grammar development.

OCS English I (1) S  Grade: 9
1 Credit - NCWISE # 92100C
The OCS English I course provides a foundational study of literary genres (novels, short stories, poetry, drama, literary nonfiction), including narrative and informational writing, speaking and listening skills, and language and grammar usage.

OCS English II (1) S  Grade: 10
1 Credit - NCWISE # 92110C
The OCS English II introduces literary global perspectives focusing on literature from the Americas (Caribbean, Central, South, and North), Africa, Eastern Europe, Asia, Oceania, and the Middle East. Students will continue reading literature and literary nonfiction, informational writing based on research, and incorporate presentation skills. This course requires the English II EOC upon completion of the course.

OCS English III (1) S  Grade: 11
1 Credit - NCWISE # 92120C
Students will understand literary and informational text, use appropriate communication skill for employment and post-secondary education/training and independent living settings. They will create written products using templates or forms. They will apply reading and comprehension strategies to informational texts found in employment, post-secondary education/training and independent living domains. Students will carry out a problem-solving process as it relates to personal life situations; apply knowledge of cause and effect relationships to decision-making and problem solving. Students will summarize the importance of forming a viewpoint in situations related to adult living, critique informational products for use in employment, post-secondary education/training and independent living domains.

OCS English IV (1) S  Grade: 12
1 Credit - NCWISE #92130C
Students will apply information from literary and informational texts to carry out adult living tasks and activities, evaluate communication between various audiences and construct written products without reliance on templates and/or forms. Students will apply reading comprehension strategies to informational texts found in employment, post-secondary education/training, and independent living domains. They will produce plans to solve problems that occur in various domains of adult-life, attribute the impact of cause and effect on a given real life problem, and generate a viewpoint based on the analysis of current events, written texts, and/or personal life situations. Students will create informational products for use in employment, post-secondary education/training, and independent living domains.
Mathematics - 3 Credits

OCS Introduction to Mathematics I (1) S    Grade: 9-10
1 Credit - NCWISE # 92200C
Students will understand rational numbers, apply mathematical operations with rational numbers, apply ratios, proportions and percentages, use properties of two-and three dimensional figures, apply time and measurement skills, and algebraic properties to solve problems. Students will understand patterns and relationships, data in terms of graphical displays, and measures of center and range.

OCS Pre-Algebra (1) S – a local requirement Grade: 9-10
1 Credit - NCWISE # 92420PA
Students will begin to develop skills to be able to perform basic algebraic equations.

OCS Algebra I (1) S                Grade: 9-10
1 Credit - NCWISE # 92210C
Students will begin to develop skills to be able to perform basic algebraic equations. This course requires the Math I EOC upon completion of the course.

OCS Financial Management (1) S    Grade: 9-12
1 Credit - NCWISE # 92220C
Students will understand personal finance, appropriate methods of personal financial management and independent living, state and federal taxes, wages and compensation, and the use of credit. Students will understand different types of insurance in terms of their ability to meet personal needs and apply math skills to consumer spending.

*CTE - Personal Finance may be a substitution course for the third math.

Science - 2 Credits

OCS Applied Science (1) S                Grade: 9-12
1 Credit - NCWISE # 92310C
Students will focus on the study of Forces and Motion, Energy, Electricity and Magnetism, Matter, Chemicals, the Environment and Body Systems.

OCS General Science (1) S – a local requirement Grade: 9-11
1 Credit - NCWISE # 92420GS
Students will begin to develop vocabulary and concepts necessary for successful transition to OCS Biology.

OCS Biology (1) S                        Grade: 9-11
1 Credit - NCWISE # 92320C
Students will focus on the Structure and Functions of Living Organisms, Ecosystems, Evolution and Genetics, and Molecular Biology. This course requires the Biology EOC upon completion.

Social Studies - 2 Credits

Social Studies I (1) S                  Grade: 9-12
1 Credit - NCWISE # 92450C
(Government/American History)
This course is designed to provide the student with a basic background in United States history, knowledge of government and political design, citizenship issues, personal economics and the local geography they need to become responsible citizens and consumers.

Social Studies II (1) S                Grade: 9-12
1 Credit - NCWISE # 92460C
(Self-Advocacy/Problem Solving)
This course is designed to teach students concepts and skills related to self-advocacy and self-determination.

Computer Skills - As Needed

Computer proficiency as specified in the Individual Education Plan.

Health & PE - 1 Credit

Health and PE (3) S                    Grade: 9-12
1 Credit - NCWISE # 90112C

Career and Technical - 4 Credits

Select credits to best prepare for future career interests. Students may enroll in a career and technical course multiple times for credit.

Arts Education - Not Required

It is recommended that at least one credit in an arts discipline be taken.

Electives - 6 Credits

Occupational Course of Studies Students must successfully complete OCC Prep II and OCC PREP III twice for a total of four credits.
Occupational Preparation I (1) S
Grade: 9
1 Credit - NCWISE # 92400C
This course introduces students to the fundamentals of attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training in Career Technical Education courses and the operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

Occupational Preparation II (1) S
Grade: 9-10
1 Credit - NCWISE # 92410C
This course is designed to allow students to develop skills generic to all career majors. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and work-based learning activities. Job seeking skills also will be refined.

Occupational Preparation III (1) S
Grade: 11-12
1 Credit - NCWISE # 92420C
This course is designed to allow students to develop skills generic to all career majors. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and work-based learning activities. Job seeking skills also will be refined.

Occupational Preparation IV (1) S
Grade: 11-12
1 Credit - NCWISE # 92430C
This course allows students to solve work-related problems experienced in competitive employment, practice self-advocacy skills and master the theoretical and practical aspects of their career choice. Students finish completing the 360 hours of integrated competitive employment in a community setting required for successful completion of the Occupational Course of Study. Students also will develop a job placement portfolio that provides an educational and vocational record of their high school experience.

Students will complete 300 hours of school-based training, 240 hours of community-based training, and 360 hours of competitive employment and complete an OCS Career Portfolio.

OCS Career Training (1) S
Grade: 9-12
1 Credit - NCWISE # 92400CC
PREREQUISITE: Occupational Preparation I
This course provides students in the OCS program the opportunity to participate in off-campus vocational training that is aligned with their post-school employment goal. The course allows release time for students to be involved in work-based learning activities including but not limited to: internships, apprenticeships, job shadowing, community service projects, vocational job coach services, individual competitive employment placements, or supported employment. This course may be repeated more than one time for credit based on the student's need for work-based vocational training.

Study Skills Support Lab (1) S
Grade: 9-12
1 Credit - NCWISE # 95502C
This course is designed to provide additional academic support for students in regular classes. In addition to providing support for regular class work, teachers will also teach study skills and academic skills to fit the individual students' needs. The student will get non-academic elective credit each time he/she takes the course. Students are recommended by their counselor or academic teachers for this course.

Exit Requirements - 22 Credits as required by NCDPI, local requirements which fulfill the maximum potential minus four formula and an OCS Career Portfolio.
Career and Technical Education

Career and Technical Education in the Union County Public School System has a mission to better prepare high school graduates for entry into the post-secondary system and the workplace. Career and Technical Education courses are important for all students regardless of whether they will enter the workforce directly after high school or after pursuing higher education. Several Career and Technical Education courses offer students the opportunity to earn articulated community college credit and through relationships with local community colleges, Career and College Promise pathways allow students to take college courses and receive high school and college credit. Union County High School students may also earn business and industry certifications while in high school. Specific Career and Technical Education courses provide the knowledge and skills to take exams that qualify the students for these credentials.

Career and Technical Education, at the high school level, emphasizes applications of theory, problem solving and critical thinking skills that business, industry, and post-secondary institutions are encouraging students to acquire for further study in any field. Students taking Career and Technical Education courses can definitely get an early start on a technical degree, business and industry credentials and future employment opportunities. Program areas that are part of Career and Technical Education include:

Agricultural Education
Business and Information Technology Education
Family and Consumer Sciences Education
Health Occupations Education
Marketing Education
Technology Education
Trade and Industrial Education

Courses offered in each of the above program areas are described on the following pages. As you will see, students have a wide variety of college and career preparations available through these programs. Every program area is associated with a student organization that offers students the opportunity to develop leadership skills, participate in civic service, earn valuable scholarships and compete in regional, state and national competitions. As students are being prepared for careers in the 21st century, Career and Technical Education stands out as an excellent delivery system for higher academic standards. Some courses are offered at both Honors and Advanced Honors levels. Advanced Honors (AH) receive six credit points which is equivalent to Advanced Placement courses.

Agriculture Education

Welding certification is available upon completion of Agriculture Advanced Studies at Forest Hills, Parkwood, Piedmont, and Sun Valley High Schools.
Students will take these certification exams at the completion of the Microsoft IT Academy: Excel and Access course.

Apple Pro Applications: Final Cut Pro Certification
Students will take this certification exam at the completion of the Film Production Studio II course. This is a nationally recognized Apple certification. (Cuthbertson, Marvin Ridge, Piedmont, Parkwood, Porter Ridge, and Sun Valley High Schools)

CIW (Certified Internet Web Professional) Certification
This certification exam can be taken at the completion of the e-Commerce II - Honors course. Students can sign up through Horizons or any authorized testing center to take the exam. These are nationally recognized certifications.

Internet and Computing Core Certification (IC3)
These certification exams can be taken at the completion of the Multimedia and Webpage Design course. Students can sign up through Horizons or any authorized testing center to take the exam. These are nationally recognized certifications.

Family and Consumer Sciences Education

ServSafe Certification
The ServSafe Food Protection Manager Certification is nationally recognized and accredited by the American National Standards Institute (ANSI)-Conference for Food Protection (CFP). The ServSafe program is the most widely recognized food safety certification in the nation. ServSafe addresses food service and sanitation. Students learn food Safety practices to be utilized throughout the flow of food from purchasing to serving to reheating leftovers, Hazard Analysis of Critical Control Points (HACCP), and how to develop a Food Safety program. This certification exam is taken at the completion of the Foods II-Advanced course.

ProStart Certification
Students may earn this certification by successfully completing all the requirements and the ProStart course. This is a nationally recognized certification in the food industry. It is backed by the Restaurant and Lodging Association.

North Carolina Early Childhood Credential (NCECC)
Students who complete both levels of Early Childhood Education may be recognized as teachers in accordance with G.S. 110-91(8); 143 B-168.3. This certification exam can be taken at the completion of the Early Childhood II course. (CATA only)

Health Occupations Education

National Healthcare Skills
This certification is given to students at the end of the Health Science II course. It is a national certification.

CPR/First Aide
This certification is given to students during the Health Science I course.

Nurse Aide I Certification
Students who passed the Nursing Aide I knowledge and skills test can register with the North Carolina Nursing Registry. This certification exam is given at end of the Allied Health Science II course or the Nursing Fundamentals course. (CATA, Forest Hills and Monroe High Schools)

EMT Basic
This certification is given to those that successfully pass the EMT Basic certification exam. Students may take this exam if they successfully complete and pass the Emergency Medical Science: EMT Basic course and exam given by South Piedmont Community College (SPCC). This program operates under the umbrella of SPCC. Students must be 17 to take the exam. (Forest Hills and Monroe High Schools)

Trade and Industrial and Technology Education

NCCER (National Center for Construction Education & Research) Certifications
These certifications are available through the following courses: Construction Technology, Electrical, Welding, HVAC, and Masonry. These are nationally recognized certifications developed by business and industry. (Monroe High School)

NATEF (National Automotive Technicians Education Foundation)
This certification is available through the Automotive Technology courses. This exam evaluates automotive technicians against standards developed by the automotive industry. (CATA)
AES (Automotive Service Excellence)

The National Institute for Automotive Service Excellence (ASE) and ACT offers this series of certification tests to certify students in the area of Automotive Service. These tests can be taken through the Automotive Technology courses. (CATA)

A+ Computer Engineering Certification

This certification exam is taken through the Computer Engineering Technology courses. The A+ certification demonstrates competency as a computer technician. (CATA)

Licensed Cosmetologist

This license can be acquired by completing the Cosmetology program and successfully passing the state board cosmetology exam.

Microsoft Certified Systems Administrator for Microsoft Operating Systems

Students can take this exam after completion of the Network Administration II - Microsoft course. This certification is nationally recognized. (CATA)

Cisco CCNA Academy Certificate - Cisco Certified Network Associate

Students can take this exam after completion of the Network Engineering III - Cisco course. This is a nationally recognized exam. (CATA)

Cisco CCNA Academy Certificate - Cisco Certified Entry Network Technician

Students can take this exam after completion of the Network Engineering III - Cisco course. This is a nationally recognized exam. (CATA)

CA-Central Academy, C-Cuthbertson, FH-Forest Hills, MR-Marvin Ridge, M-Monroe, PW-Parkwood, PD-Piedmont, PR-Porter Ridge, SV-Sun Valley, W-Weddington
AGRICULTURAL EDUCATION (AG)

Agricultural Education allows students to participate in coordinated group and individual instructional activities that are focused on preparation for future careers in agriculture. The program is designed to develop technical, leadership, and management skills needed by high school students preparing for careers in agricultural occupations and higher education in an agriculturally-related field.

Agriculture encompasses various elements of the food, fiber, and natural resources systems. Agricultural employment include careers that require agricultural knowledge, skills, and attitudes needed in producing, managing, processing, marketing, distributing, regulating, or protecting any of the renewable resources.

<table>
<thead>
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<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Honors/AP</th>
<th>Schools (All if not indicated) &amp; Other notes</th>
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BUSINESS AND INFORMATION TECHNOLOGY EDUCATION (BITE)

Business and IT Education is designed to prepare graduates as viable competitors in the business and information technology world and for advanced educational opportunities. Instruction in Business and IT Education encompasses business skills and techniques, an understanding of basic economics, and business attitudes essential to participate in the international marketplace as productive workers and consumers. It also encompasses a wide variety of opportunities to attain computer skills that are needed for a 21st century career.

### Business Education

<table>
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<th>Course #</th>
<th>Course Name</th>
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<td>Business Management</td>
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<td>Personal Finance</td>
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### Information Technology Education

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<td>64172</td>
<td>Microsoft Word, PowerPoint, and Publisher</td>
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FAMILY AND CONSUMER SCIENCES (FACS)

Family and Consumer Sciences Education prepares students for careers working with individuals and families, as well as for competence in the work of their own families. The courses emphasize the following core areas: Consumer Education and Resource Management, Early Childhood Education and Services, Family and Interpersonal Relationships, Food Production and Services, Food, Nutrition, and Wellness, Housing, Interiors, and Design, Parenting Education and Human Development, and Textiles, Apparel, and Fashion.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Honors/AP</th>
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HEALTH SCIENCE EDUCATION (HS)

The comprehensive Health Science Education program seeks to meet present and predicated needs for health care workers. It is a program that recruits qualified and motivated students and prepares them for pursuit of appropriate health careers.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
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MARKETING EDUCATION (MKT)

The purpose of the Marketing Education instructional program is to prepare students for advancement in marketing and management careers. The courses address such topics as production, inventory control, effective promotion, and human resources.

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Technology Education (TECH)

The Technology Engineering and Design program is designed to provide students essential and enduring 21st century skills. Technology Engineering and Design is a STEM (Science, Technology, Engineering, and Math) program that uses the arts, engineering, languages, technologies, AND sciences to understand, communicate, and design.

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## TRADE AND INDUSTRIAL EDUCATION (T&I)

Many of these courses lead to certifications recognized by business and industry. Hands-on experiences and Skills USA leadership activities provide opportunities to enhance classroom instruction and career development.

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## BRIDGE ACADEMY OF MONROE HIGH SCHOOL

The Bridge Academy at Monroe High School will provide challenging curriculum created by North Carolina Department of Public Instruction and Project Lead The Way (PTLW). Students will have the opportunity to prepare for a career, earn honors level course credit, earn articulated college credit, and a National Center for Construction Education and Research Credential, which is recognized by industry while in high school. Links of interest: www.nccer.org, http://ncpltw.pratt.duke.edu/, and www.ncpublicschools.org/cte/trade/curriculum/programs/.

### Construction-National Center for Construction Education and Research Credential

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### Masonry-National Center for Construction Education and Research Credential

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<td>Yes</td>
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### Welding-National Center for Construction Education and Research Credential

<table>
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<tr>
<th>Course #</th>
<th>Course Name</th>
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<th>Grade</th>
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<tbody>
<tr>
<td>77002</td>
<td>Core and Sustainable Construction (T&amp;I)</td>
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<td>76612C</td>
<td>Welding Technology I (T&amp;I)</td>
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<tr>
<td>76622</td>
<td>Welding Technology II (T&amp;I)</td>
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<tr>
<td>76632</td>
<td>Welding Technology III (T&amp;I)</td>
<td>Yes</td>
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Civil Engineering and Architecture- Project Lead The Way (PLTW)

<table>
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<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Honors/AH</th>
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<tbody>
<tr>
<td>79215</td>
<td>Drafting I (T&amp;I)</td>
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<tr>
<td>80207D</td>
<td>PLTW – Introduction to Engineering Design (Tech)</td>
<td>Yes</td>
<td>9-12</td>
<td>AH</td>
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<tr>
<td>80227D</td>
<td>PLTW - Digital Electronics (Tech)</td>
<td>Yes</td>
<td>10-12</td>
<td>AH</td>
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<tr>
<td>80217D</td>
<td>PLTW – Principles of Engineering (Tech)</td>
<td>Yes</td>
<td>10-12</td>
<td>AH</td>
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<tr>
<td>80317D</td>
<td>PLTW – Civil Engineering and Architecture (Tech)</td>
<td>Yes</td>
<td>11-12</td>
<td>AH</td>
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<td>80405C</td>
<td>PLTW – Engineering Design &amp; Development (Tech)</td>
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</table>

Certified Nursing Assistant (CNA) Certification

These courses provide the opportunity to gain technical information and skills through a variety of technical and practical learning experiences which lead to a CNA certification in North Carolina which would qualify students for a Nurse Aide I position and/or help students to get into a Registered Nurse program at a college or university.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
<th>Grade</th>
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<tbody>
<tr>
<td>72002C</td>
<td>Biomedical Technology</td>
<td>Yes</td>
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<tr>
<td>72092CHS</td>
<td>Foundations of Health Science</td>
<td>Yes</td>
<td>9-12</td>
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<tr>
<td>72405</td>
<td>Health Science I</td>
<td>Yes</td>
<td>10-12</td>
<td>H</td>
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<tr>
<td>72425</td>
<td>Health Science II</td>
<td>Yes</td>
<td>10-12</td>
<td>H</td>
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</tr>
<tr>
<td>72435</td>
<td>Nursing Fundamentals (YEAR LONG)</td>
<td>Yes</td>
<td>12</td>
<td>H</td>
<td>2 Credits</td>
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</table>
ACADEMIES OF FOREST HILLS

Science, Technology, Engineering and Math (STEM) Academy

The Science Technology Engineering & Math Academy at Forest Hills High School will provide challenging curriculum created by North Carolina Department of Public Instruction and Project Lead The Way. Students will have the opportunity to prepare for a career, earn honors level course credit or earn articulated college credit in drafting/engineering. Links of interest: http://ncpltw.pratt.duke.edu/, and www.ncpublicschools.org/cte/trade/curriculum/programs/.

Advanced Manufacturing Systems - Project Lead The Way (PLTW) Engineering

These courses provide students with hands-on experience in science, technology, engineering and math (STEM). Courses will prepare students for academic and professional success in engineering using activities, projects and problem-based learning. Students will have real world applications of technologies learned. Project Lead the Way curriculum will be used for this series and is a nationally recognized curriculum.

<table>
<thead>
<tr>
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<tr>
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<td>Drafting II – Engineering (T&amp;I)</td>
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<tr>
<td>79735</td>
<td>Drafting III – Engineering (T&amp;I)</td>
<td>Yes</td>
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<tr>
<td>80207D</td>
<td>PLTW – Introduction to Engineering Design (Tech)</td>
<td>Yes</td>
<td>9-12</td>
<td>AH</td>
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<tr>
<td>80217D</td>
<td>PLTW – Principles of Engineering (Tech)</td>
<td>Yes</td>
<td>10-12</td>
<td>AH</td>
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<tr>
<td>80227D</td>
<td>PLTW – Digital Electronics (Tech)</td>
<td>Yes</td>
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<td>80307D</td>
<td>PLTW – Computer Integrated Manufacturing (Tech)</td>
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<td>80405C</td>
<td>PLTW – Engineering Design &amp; Development (Tech)</td>
<td>Yes</td>
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Certified Nursing Assistant (CNA) Certification

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<tr>
<td>72092CHS</td>
<td>Foundations of Health Science</td>
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<td>9-12</td>
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<tr>
<td>72405</td>
<td>Health Science I</td>
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<td>10-12</td>
<td>H</td>
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<tr>
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<td>Health Science II</td>
<td>Yes</td>
<td>10-12</td>
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<tr>
<td>72435</td>
<td>Nursing Fundamentals (YEAR LONG)</td>
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<td>2 Credits</td>
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<tr>
<td>85952HS</td>
<td>CTE Advanced Studies in Health Science</td>
<td>Yes</td>
<td>12</td>
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<td>(Application Required)</td>
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<tr>
<td>85972SH</td>
<td>CTE Internship in Health Science</td>
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<td>(Application Required)</td>
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CENTRAL ACADEMY OF TECHNOLOGY AND ARTS

Information Technology Academy (Software Development & Game Design, Computer Hardware & Networking)
Medical Preparation Academy
Performing Arts Academy
Pre-Engineering Academy
Transportation Systems Academy

Central Academy of Technology and Arts Career and Technical Education
*The following CTE courses are taught only at Central Academy Technology and Arts

Information Technology Academy
Software Development & Game Design

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
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<td>82215</td>
<td>Game and Art Design (Tech)</td>
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<td>82225</td>
<td>Advanced Game Art &amp; Design (Tech)</td>
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<td>64285C</td>
<td>SAS Programming I (BITE)</td>
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<td>80065</td>
<td>Scientific and Technical Visualization I (Tech)</td>
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<td>Scientific and Technical Visualization II (Tech)</td>
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<td>85952BI</td>
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Computer Hardware & Networking

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<td>88112</td>
<td>Foundations of Information Technology (BITE)</td>
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<td>CTE Advance Studies in Business and IT (BITE)</td>
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### Medical Preparation Academy

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<td>72002C</td>
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<tr>
<td>72405</td>
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<td>72425</td>
<td>Health Science II (HS)</td>
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<td>10-12</td>
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<tr>
<td>72705</td>
<td>PLTW Principles of Biomedical Science (HS)</td>
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<td>72715</td>
<td>PLTW Human Body Systems (HS)</td>
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<td>PLTW Medical Interventions (HS)</td>
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<td>85952HS</td>
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<td>CTE Internship in Health Science (HS)</td>
<td>Yes</td>
<td>12</td>
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<td>(Application Required)</td>
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</table>

### Performing Arts Academy

In addition to the core curriculum, students will take the following CTE courses as determined by their pathway.

The following strands run through all of the Theatre Arts courses: perceiving, thinking, comprehending, applying, integrating, communicating, creating, analyzing, critiquing, and performing.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Honors/AP</th>
<th>Other Notes</th>
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<tr>
<td>51152C</td>
<td>Dance I (Year long)</td>
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<td>Dance II (Year long)</td>
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<td>51175C</td>
<td>Dance III (Year long)</td>
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<td>51182C</td>
<td>Dance IV (Year long)</td>
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<td>Special Topics Dance I</td>
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<td>51262C</td>
<td>Special Topics Dance II</td>
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<tr>
<td>513422</td>
<td>Performance Forum (Year long)</td>
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<td>70352C</td>
<td>Apparel I</td>
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<td>Apparel II - Enterprise</td>
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<td>53602C</td>
<td>Musical Theatre</td>
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<td>53612C1</td>
<td>Technical Theatre I</td>
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<td>53152C</td>
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<td>Theatre Arts II</td>
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Pre-Engineering Academy

In addition to the core curriculum, students will take the following major courses as determined by their academy.

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<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
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<td>79215</td>
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<td>Drafting II – Engineering (T&amp;I)</td>
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<td>80317D</td>
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<td>80217D</td>
<td>PLTW – Principles of Engineering (Tech)</td>
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<td>85952TE</td>
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Transportation Systems Academy

In addition to the core curriculum, students will take the following major courses as determined by their academy.

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<th>Course #</th>
<th>Course Name</th>
<th>Prerequisite</th>
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<td>75132C</td>
<td>Automotive Computer System Diagnostics (T&amp;I)</td>
<td>Yes</td>
<td>11-12</td>
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<tr>
<td>75142</td>
<td>Automotive Electrical (T&amp;I)</td>
<td>Yes</td>
<td>10-12</td>
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<td>75152</td>
<td>Automotive Electrical Advanced (T&amp;I)</td>
<td>Yes</td>
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<td>75212C</td>
<td>Collision Repair Technology I (T&amp;I)</td>
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<tr>
<td>75222C</td>
<td>Collision Repair Technology II (Year long) (T&amp;I)</td>
<td>Yes</td>
<td>11-12</td>
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<td>2 Credits</td>
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<td>74092CHV</td>
<td>Hybrid and EV Technology (T&amp;I)</td>
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<td>74092CMT</td>
<td>Motorsports Technology I (T&amp;I)</td>
<td>Yes</td>
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<td>74092SE1</td>
<td>Small Engines I (T&amp;I)</td>
<td>Yes</td>
<td>10-12</td>
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<td>85952IT</td>
<td>CTE Advanced Studies in T&amp;I (T&amp;I)</td>
<td>Yes</td>
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<td>(Application Required)</td>
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<td>85972SI</td>
<td>CTE Internship in T&amp;I (T&amp;I)</td>
<td>Yes</td>
<td>12</td>
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<td>(Application Required)</td>
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</table>
Career & Technical Education Course Descriptions

Agriculture Education

Agriculture Co-op Education (Summer Only)  
1 Credit NCWISE # 68976C  
Grade: 11-12  
PREREQUISITE: Must have earned at least one Agriculture course credit

Students enrolling in any of the agriculture education courses may choose to participate in a cooperative education work experience or internship during the following summer of the same school year. Students must have an approved application in order to register for this credit and provide proof of employment by the tenth day of class. A student choosing the cooperative work approach in an approved job, submits wage and hour documentation, and completes other assignments as required by the teacher-coordinator. Failure to maintain employment throughout the summer session will result in the student being dropped from the course. Agriculture Coop Education will be offered during the summer. Any exceptions to this schedule must have prior approval of the Director of CTE and the Deputy Superintendent.

Agricultural Mechanics I  
Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 68312C  

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, basic metal working, basic agricultural construction skills related to plumbing, concrete, carpentry, basic welding, and leadership development.

Agriculture Co-op Education (Summer Only)  
1 Credit NCWISE # 68976C  
Grade: 11-12  
PREREQUISITE: Must have earned at least one Agriculture course credit

Agricultural Mechanics II  
Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 68322C  
PREREQUISITE: Agricultural 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, and advanced career exploration/decision making.

Agricultural Mechanics II-Small Engines  
Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 68332C  
PREREQUISITE: Agricultural Mechanics

Course provides hands-on instruction and emphasizes small engine systems including the compression, fuel, electrical, cooling and lubrication systems. Troubleshooting methods are emphasized. Students learn how to select engines for specific applications. Materials are covered to prepare students for the Master Service Technician Exam.

Agriscience Applications  
1 Credit NCWISE # 68102C  
Grade: 9-12

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.

Animal Science I  
Grade: 9-12  
1 Credit NCWISE # 68212C

This course focuses on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal science career major. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation.
Animal Science II  
Grade: 10-12  
1 Credit NCWISE # 68222C

PREREQUISITE: Animal Science I

This course includes more advanced scientific principles and communication skills and includes animal waste management, animal science economics, decision making, global concerns in the industry, genetics, and breeding.

Animal Science II – Small Animal  
Grade: 10-12  
1 Credit NCWISE # 68232C

PREREQUISITE: Animal Science I

This course provides instruction on animal science topics related to small animals that are served by a veterinarian. Content related to the breeding, grooming, care and marketing of animals that fit into this category are taught in this course.

Biotechnology & Agriscience Research I – Honors  
Grade: 10-12  
1 Credit NCWISE # 68715

Course provides instruction in the technologically advanced world of agriculture and life sciences. Students are exposed to the latest techniques and advances in plant and animal biotechnology with a strong emphasis on hands-on activities.

Biotechnology & Agriscience Research II – Honors  
Grade: 11-12  
1 Credit NCWISE # 68725

PREREQUISITE: Biotechnology & Agriscience Research I

Course provides instruction in laboratory and safety skills needed by agricultural research scientists. Current applications of biotechnology in animal science, environmental science, food science and plant science are emphasized. Basic concepts of genetics and microbiology are applied to the agriculture industry and its success in providing food and fiber for the world. Opportunities exist for students to conduct individual or team research experiments. Hands-on laboratories and current topic discussions provide students an understanding of careers in agriscience research.

CTE Advanced Studies in Agriculture  
Grade: 11-12  
1 Credit NCWISE # 85952AG

PREREQUISITE: Two technical credits in Agriculture Education with one being a completer course

The Advanced Studies course must augment the content of the completer course. 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.

CTE Internship in Agriculture  
Grade: 12  
1 Credit NCWISE # 85972SA

PREREQUISITE: Two technical credits in Agriculture Education with one being a completer course

An Agriculture Internship allows students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. 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.

Environmental & Natural Resources I  
Grade: 10-12  
1 Credit NCWISE # 68512C

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.

Environmental & Natural Resources II  
Grade: 10-12  
1 Credit NCWISE # 68522C

PREREQUISITE: Environmental & 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.

Equine Science I  
Grade: 10-12  
1 Credit NCWISE # 68252C

This course focuses on the basic scientific principles and processes related to equine physiology, breeding, nutrition, and care in preparation for a career in the equine industry.

Equine Science II  
Grade: 10-12  
1 Credit NCWISE # 68262C

PREREQUISITE: Equine Science I

The course focuses on more advanced applications of feeding, breeding, and management practices involved in the horse industry.
Geospatial Industry Series (GIS) I – Honors  
**Maximum Enrollment: 20***  
**Grade: 11-12**  
**1 Credit NCWISE # 68095CG1**  
This course provides an introduction to GIS and remote sensing concepts. GPS technologies used in urban development, rural planning, forestry management, crop management, etc. are also presented. The course also introduces students to geospatial technology basics along with geoprocessing analysis and applications.

Geospatial Industry Series (GIS) II – Honors  
**Maximum Enrollment: 20***  
**Grade: 11-12**  
**1 Credit NCWISE # 68095CG2**  
**PREREQUISITE: Geospatial Industry Series I**  
This course reinforces GIS concepts learned in the first course. It introduces students to geospatial applications in surface analysis and 3D visualization. Geospatial applications are used for remote sensing and routing analysis. These concepts are utilized in urban development, rural planning, forestry management, crop management, etc. The course includes a capstone project that enables the students to receive GIS certification.

Horticulture I  
**Grade: 9-12**  
**1 Credit NCWISE # 68412C**  
Horticulture 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.

Horticulture II – Honors  
**Grade: 10-12**  
**1 Credit NCWISE # 68425C**  
**PREREQUISITE: 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 turfgrass management, and personal development.

Horticulture II – Landscaping – Honors  
**Grade: 10-12**  
**1 Credit NCWISE # 68825C**  
**PREREQUISITE: Horticulture I**  
Landscaping provides hands-on instruction and emphasizes safety skills needed by landscape technicians in the field. This course is based on the North Carolina Nursery and Landscape Association skill standards for a Certified Landscape Technician. 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.

Horticulture II – Turfgrass Management – Honors  
**Grade: 10-12**  
**1 Credit NCWISE # 68435C**  
**PREREQUISITE: Horticulture I**  
Turfgrass provides hands-on instruction and emphasizes eight units of instruction including fundamentals of soils and pests, environmental issues related to turf management, landscape basics, lawn care and turf production, golf course management, sports turf and turf irrigation, turf equipment and maintenance, and human resources and financial management. Safety skills will be emphasized.

Renewable Energy in Agriculture  
**Grade: 10-12**  
**1 Credit NCWISE # 68092CRE**  
The course will focus on how renewable energy sources can help sustain existing agricultural resources. The curriculum will provide alternatives and help students better evaluate the existing energy choices.

Business & Information Technology (BITE)  
Business Education

Accounting I – Honors  
**Grade: 10-12**  
**1 Credit NCWISE # 63115**  
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.

Accounting II – Honors  
**Grade: 10-12**  
**1 Credit NCWISE # 63125C**  
**PREREQUISITE: 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, and inventory control systems, managerial accounting and budgeting, and further enhancement of accounting skills.

**Business Financial Planning**
Grade: 10-12
1 Credit NCWISE #63162

**PREREQUISITE:** Principles of Business and Finance

This course expands student understanding of finance as it is impacted by globalization, convergence and consolidation, technological innovation, and increased regulation. Accounting and financial services including banking, insurance, and securities and investments are emphasized throughout the course.

**Business Law – Honors**
Grade: 10-12
1 Credit NCWISE # 62155

**PREREQUISITE:** Principles of Business and Finance

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.

**Business Management**
Grade: 10-12
1 Credit NCWISE # 87102

**PREREQUISITE:** Principles of Business and Finance

This course expands student understanding of management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management, and strategic management. Economics, finance, and professional development are also stressed throughout the course.

**CTE Advanced Studies in Business and Information Technology**
Grade: 12
1 Credit NCWISE # 85952BI

**PREREQUISITE:** Two technical credits in Business Education with one being a completer course

The Advanced Studies course must augment the content of the Business completer course. Students work under the guidance of a teacher with expertise in the specific Business area 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.

**CTE Internship in Business and Information Technology**
Grade: 12
1 Credit NCWISE # 85972SB

**PREREQUISITE:** Two technical credits in Business Education with one being a completer course

A Business Internship allows students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. 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.

**Entrepreneurship I**
Grade: 10-12
1 Credit NCWISE # 87162

**PREREQUISITE:** Marketing or Personal Finance or Principles of Business and Finance

In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. 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 develop components of a business plan and evaluate startup requirements.

**Entrepreneurship II**
Grade: 10-12
1 Credit NCWISE # 87172

**Recommended Maximum Enrollment: 25**

**PREREQUISITE:** Entrepreneurship I

In this course students develop an understanding of pertinent decisions to be made after obtaining financing to open a small business. Students acquire in-depth understanding of business regulations, risks, management, and marketing. Students develop a small-business management handbook.

**Global Business Perspective – Honors**
Grade: 10-12
1 Credit NCWISE # 62095CGB

**PREREQUISITE:** Principles of Business and Finance

This course introduces the major principles and concepts of a global business environment. Topics of study include the impact of globalization on business, systems that impact global business, the impact of culture on global business, communicating in a global business, structures and management of a global and marketing in a global environment.
<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
<th>NCWISE #</th>
<th>Prerequisite</th>
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<tr>
<td><strong>Personal Finance</strong></td>
<td>9-12</td>
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<td>87262</td>
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</tr>
<tr>
<td>This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances.</td>
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<tr>
<td><strong>Principles of Business and Finance</strong></td>
<td>9-12</td>
<td>1</td>
<td>87212</td>
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<tr>
<td>This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management.</td>
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<tr>
<td><strong>Information Technology Education</strong></td>
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<tr>
<td><strong>Advanced Computer Science Topics – Honors</strong></td>
<td>10-12</td>
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<td>25045C</td>
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<tr>
<td>Maximum Enrollment: 20*</td>
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<tr>
<td>This course is paired with AP Computer Science to help students design and carry out programming objectives and to understand the conceptual framework, factual knowledge and analytical skills necessary for AP Computer Science. This does not count as a math credit toward graduation.</td>
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<tr>
<td><strong>AP Computer Science</strong></td>
<td>10-12</td>
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<td>Maximum Enrollment: 20*</td>
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<tr>
<td>PREREQUISITE: Advanced Computer Science Topics</td>
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<tr>
<td>The design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. The course will use Java programming language to emphasize object oriented programming methodology. The course is designed to be the equivalent of a first-semester college course in computer science and students are expected to take the AP exam at the end of the semester.</td>
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<tr>
<td><strong>Computer Science Principles - Honors</strong></td>
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<td><strong>Computer Programming I – Honors</strong></td>
<td>9-12</td>
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<td><strong>Computer Programming II – Honors</strong></td>
<td>10-12</td>
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<td>64225C</td>
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<tr>
<td>PREREQUISITE: Algebra I</td>
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<tr>
<td>This course is designed to introduce the concepts of programming, application development, and writing software solutions in the Visual Basic environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including event-driven input, logical decision making and processing, and useful output.</td>
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<tr>
<td><strong>Computer Programming III – Honors</strong></td>
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<tr>
<td><strong>Computer Programming IV – Honors</strong></td>
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<td><strong>CTE Advanced Studies in Business and Information Technology</strong></td>
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<td>1</td>
<td>85952BI</td>
<td></td>
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<tr>
<td>PREREQUISITE: Two technical credits in Business Education with one being a completer course</td>
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<tr>
<td>The Advanced Studies course must augment the content of the Business completer course. Students work under the guidance of a teacher with expertise in the specific Business area 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.</td>
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</table>
CTE Internship in Business and Information Technology
Grade: 12
1 Credit NCWISE # 85972SB

PREREQUISITE: Two technical credits in Business Education with one being a completer course

A Business Internship allows students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. 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.

e-Commerce I – Honors
Grade: 10-12
1 Credit NCWISE # 64155C

PREREQUISITE: Multimedia and Webpage Design

This course is designed to help students master skills in the design and construction of complex web sites for conducting business electronically. Emphasis is on skill development in advanced web page construction and entrepreneurial applications of conducting business electronically as well as economic, social, legal, and ethical issues related to electronic business. Students learn through project-based applications as they plan, design, create, publish, maintain, and promote an e-commerce website.

e-Commerce II – Honors
Grade: 10-12
1 Credit NCWISE # 64165C

PREREQUISITE: e-Commerce I

This course is designed to help students master advanced skills in electronic commerce security, payment infrastructure, secure electronic commerce transactions, and electronic commerce order entry, tracking and fulfillment. Emphasis is placed on marketing techniques for electronic commerce websites, tracking and using customer and sales data, and other uses of databases in electronic commerce sites as students develop a capstone project.

Film Production Studio I – Honors
Grade: 10-12
1 Credit NCWISE # 62095C
Maximum Enrollment: 20

PREREQUISITE: Multimedia and Webpage Design

Film Production Studio I explores basic filming and editing skills. Students will explore film editing software interface, editing tools, file management and professional editing best practices while creating several original video projects.

Film Production Studio II – Honors
Grade: 10-12
1 Credit NCWISE # 62095CD

PREREQUISITE: Film Production Studio I

Film Production Studio II is taught by a teacher who is a Certified Trainer for film editing and explores advanced filming, editing, and graphic motion techniques while preparing students to take film editing software’s professional certification exam at the end of the course. Students will complete a Capstone Portfolio of original video projects.

Foundations of Information Technology
Grade: 9-12
1 Credit NCWISE # 88112

This introductory course provides students with the foundation to pursue further study in information technology. Emphasis is on network systems, information support and services, programming and software development, and interactive media.

Microsoft Excel and Access
Grade: 9-12
1 Credit NCWISE # 64192

Students in Microsoft IT Academies benefit from world-class Microsoft curriculum and cutting edge software tools to tackle real-world challenges in the classroom environment. The first part of the class is designed to help you use the newest version of Microsoft Excel interface, commands, and features to present, analyze, and manipulate various types of data. Students will learn to manage workbooks as well as how to manage, manipulate, and format data. In the second part of the class, students will learn how to create and work with a database and its objects by using the new and improved features in newest version of Microsoft Access. Students will learn how to create, modify, and locate information as well as how to create programmable elements and share and distribute database information.

Microsoft Word, PowerPoint, and Publisher
Grade: 9-12
1 Credit NCWISE # 64172

Students in Microsoft IT Academies benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. In the first part, students will learn to use the newest version of Microsoft Word interface, commands, and features to create, enhance, customize, share and create complex documents, and publish them. In the second part, students will learn to use the newest version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. In the last part, students will learn to use the basic features of the newest version of Publisher to create, customize, and publish a publication.
Multimedia and Webpage Design  
**Grade: 9-12**
1 Credit NCWISE # 64142

This course focuses on desktop publishing, graphic image design, computer animation, virtual reality, multimedia production, and webpage design. Communication skills and critical thinking are reinforced through software applications.

SAS Programming I – Honors  
**Grade: 10-12**
**Maximum Enrollment: 20**
1 Credit NCWISE # 64285C

**PREREQUISITE:** One course in another computer programming language

This course is the entry point for students to learn SAS programming. Students will learn how to plan and write SAS programs to solve common data analysis problems. Instruction provides practice running and debugging programs. The emphasis is placed on reading input data, creating list and summary reports, defining new variables, executing code conditionally, reading raw data files and SAS data sets, and writing the results to SAS data sets.

### Family & Consumer Science

**Apparel I**  
**Grade: 9-12**
**Maximum Enrollment: 20**(or 2 per sewing machine)
1 Credit NCWISE # 70352C

In this course students are introduced to clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Art, mathematics, and science are reinforced.

**Apparel II-Enterprise**  
**Grade: 10-12**
**Maximum Enrollment: 20** (or 2 per sewing machine)
1 Credit NCWISE # 70362C

**PREREQUISITE:** Apparel I

In this course students are introduced to advanced clothing and housing apparel development skills. The use of fibers and fabrics is combined with design and construction techniques to develop and produce clothing or housing apparel products. A real or simulated apparel business enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio.

### CTE Advanced Studies in Family and Consumer Science

**Grade: 12**
1 Credit NCWISE # 85952FA

**PREREQUISITE:** Two technical credits in Family and Consumer Science one being a completer course

This culminating course is for seniors who have earned two technical credits, one of which is a FACS completer course, in one Career Cluster and who are career focused in the community and family services, food science, nutrition or interior design career areas. The Advanced Studies course must augment the content of the completer course in 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.

**CTE Internship in Family and Consumer Science**  
1 Credit NCWISE # 85972SF

**Grade: 12**

**PREREQUISITE:** Two technical credits in Family and Consumer Science with one being a completer course

A FACS Internship allows students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. 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.

**Early Childhood I**  
**Grade: 11-12**
2 Credits NCWISE # 71112C

This is a course that prepares students to work with children birth to age 8. Emphasis is placed on enhancing the development of young children while providing early education and care. Topics include stages of development, health, safety, guidance, and developmentally appropriate activities.

**Early Childhood II – Honors**  
**Grade: 12**
2 Credits NCWISE # 71125C

**PREREQUISITE:** Early Childhood I

This is a course that prepares students to work with children birth to twelve years of age in childcare, preschool, and/or after school programs. Students receive instruction in childcare pertaining to teaching methods, career development, program planning and management, health and safety issues, entrepreneurship skills and technology.
Foods I  
**Grade: 10-12**  
**Maximum Enrollment: 20* (or 4-5 per laboratory kitchen)**  
1 Credit NCWISE # 70452C

This course examines the nutritional needs of the individual. Emphasis is placed on the relationship of diet to health, kitchen and meal management, food preparation and sustainability for a global society, and time and resource management.

Foods II – Enterprise – Honors  
**Grade: 10-12**  
**Maximum Enrollment: 20* (or 4-5 per laboratory kitchen)**  
1 Credit NCWISE # 70465C

**PREREQUISITE: Foods I**

This course focuses on advanced food preparation techniques while applying nutrition, food science, and test kitchen concepts using new technology. Food safety and sanitation receive special emphasis, with students taking the exam for a nationally recognized food safety credential. Students develop skills in preparing foods such as beverages, salads and dressing, yeast breads, and cake fillings and frostings. A real or simulated in-school food business component allows students to apply instructional strategies.

Interior Applications  
**Grade: 11-12**  
1 Credit NCWISE # 71532

**PREREQUISITE: Interior Design II**

This course prepares students for entry-level and technical work opportunities in interior design.

Students develop interior applications to meet clients' needs using components found in residential and non-residential settings. Students apply design, selection, production, and renovation skills to wall and floor coverings, lighting, windows, case goods, and upholstered furniture.

Interior Design I  
**Grade: 10-12**  
1 Credit NCWISE # 71512

This course focuses on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design. Topics of study include elements and principles of design, backgrounds and furnishings, architectural styles and features, and functional room design.

Interior Design II  
**Grade: 11-12**  
1 Credit NCWISE # 71522

**PREREQUISITE: Interior Design I**

This course prepares students for entry-level and technical work opportunities in the residential and non-residential interior design fields. Students deepen their understanding of design fundamentals and theory by designing interior plans to meet living space needs of specific individuals or families. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures.

Parenting and Child Development  
**Grade: 9-12**  
1 Credit NCWISE # 70652C

This course introduces students to responsible nurturing and basic applications of child development theory with children from infancy through age six. Areas of study include parenthood decisions, child care issues, prenatal development and care, and development and care of infants, toddlers, and children three through six. Emphasis is on responsibilities of parents, readiness for parenting, and the influence parents have on children while providing care and guidance.

ProStart I®  
**Grade: 10-12**  
**Maximum Enrollment: 20* (or 4-5 per kitchen)**  
1 Credit NCWISE # 71712

This national credentialing and fundamental food service course allows students to master kitchen basics, such as foodservice equipment, nutrition, breakfast foods, salads and garnishes, and fruits and vegetables. A heavy emphasis is placed on safety and sanitation, including preparing and serving safe food and preventing accidents and injuries. Students learn about successful customer relations and working with people, business math, and controlling foodservice cost.

ProStart II®  
**Grade: 11-12**  
**Maximum Enrollment: 20* (or 4-5 per kitchen)**  
1 Credit NCWISE # 71722

**PREREQUISITE: ProStart I®**

In this national credentialing, one credit, and second level fundamental food service course, students study advanced skills hospitality industry, including tourism and the retail industry, the history of foodservice, and the lodging industry. Advanced food service skills include potatoes and grains, meat, poultry, seafood, stocks, soups and sauces, desserts, and baked goods. Service skills are refined through the art of service and communicating with customers. Students learn purchasing and industry control, standard accounting practices and how to build restaurant sales through marketing and the menu.
Teen Living
Grade: 9-12
1 Credit NCWISE # 70152C

This course examines life management skills in the areas of personal and family living, wellness, nutrition and foods, financial management, living environments, appropriate child development practices, fashion and clothing, and job readiness. Emphasis is placed on students applying these skills during their teen years. Through simulated experiences, they learn to fulfill their responsibilities associated with the work of the family and community.

Health Science

Biomedical Technology (3) S
Grade: 9-12
1 Credit NCWISE # 72002C

PREREQUISITE or COREQUISITE: Biology

Survey course designed to investigate current and 21st century medical and health care practices. Topics include the world of biomedical technology, the language of medicine, present and evolving biomedical specialties, biomedical ethics, and health career development.

CTE Advanced Studies in Health Science
Grade: 12
1 Credit NCWISE # 85952HS

PREREQUISITE: Three credits in Health Occupations; one of which must be a second level course

This course is designed for senior students planning on entering the health or medical career. Students will be required to produce a research paper, product, and presentation.

CTE Internship in Health Science
Grade: 12
1 Credit NCWISE # 85972SH

PREREQUISITE: Students must have completed four courses within their prescribed academy, including at least one second-level course.

This internship course is directly related to the student’s academy and career choice. These internships may be paid or unpaid. A minimum of 135 hours should be completed during the semester the student is registered and getting credit for the internship. Academy/program area teachers need to assist with arranging and supervising on-site internships.

Health Science I – Honors
Grade: 10-12
1 Credit NCWISE # 72405

This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content.

Health Science II – Honors
Grade: 11-12
1 Credit NCWISE # 72425

PREREQUISITE: Health Science I or PLTW Human Body Systems

This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR and first aid training. *Selected students must be able to provide their own transportation and have updated immunizations.

Nursing Fundamentals – Honors
Grade: 12
Maximum enrollment: 10
2 Credits NCWISE # 72435

PREREQUISITE: 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. Healthcare agencies may require testing for tuberculosis and/or other diseases and a criminal record check for felonies related to drugs.

*Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.0318(i), which requires the ratio of teacher to nurse aide students be 1:10 or less while in the clinical area. DHSR applies BON Rule to the classroom training area. Selected students must be able to provide the following: transportation to clinical sites, proof of updated immunizations and valid government-issued photo ID. These students must submit to a criminal background check and drug screen.

PLTW Biomedical Innovations - Honors
Grade: 12
Recommended Maximum Enrollment: 20*
1 Credit NCWISE # 72735

PREREQUISITE: PLTW Medical Interventions

This course allows students to apply their knowledge and skills to answer questions or solve problems related to biomedical sciences. Students design innovative solutions to the health care challenges of the 21st century. Students work on independent projects and may work with a mentor in the healthcare industry.
PLTW Human Body Systems - Honors  Grade: 10-12
Recommended Maximum Enrollment: 20*
1 Credit NCWISE # 72715

PREREQUISITE: PLTW Principles of Biomedical Sciences

In this honors course students examine the human body systems, design experiments, and use data acquisition software to monitor body functions and often play the role of the biomedical professional.

PLTW Medical Interventions - Honors  Grade: 11-12
Recommended Maximum Enrollment: 20*
1 Credit NCWISE # 72725

PREREQUISITE: PLTW Human Body Systems

This honors course allows students to investigate the interventions involved in the prevention, diagnosis and treatment of disease. It is a “How-to” manual for maintaining overall health.

PLTW Principles of Biomedical Sciences - Honors  Grade: 9-10
Recommended Maximum Enrollment: 20*
1 Credit NCWISE # 72705

This honors course is designed for students to investigate the human body systems and various health conditions. They determine factors that lead to the death of a fictional person and investigate lifestyle choices.

Marketing Education

CTE Advanced Studies in Marketing  Grade: 12
1 Credit NCWISE # 85952MK

PREREQUISITE: Two technical credits in Marketing with one being a completer course

The Advanced Studies course must augment the content of the Marketing completer course. Students work under the guidance of a teacher with expertise in the specific Business area 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.

CTE Internship in Marketing  Grade: 12
1 Credit NCWISE # 85972SM

PREREQUISITE: Two technical credits in Marketing with one being a completer course

A Marketing Internship allows students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. 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.

Fashion Merchandising  Grade: 10-12
1 Credit NCWISE # 66312C

In this course students are introduced to the fashion and merchandising industries. Students acquire transferable knowledge and skills among the concepts of the business of fashion, fashion promotion events, the evolution and movement of fashion, the fashion industry, career development, merchandising of fashion, and the selling of fashion.

Hospitality and Tourism  Grade: 11-12
1 Credit NCWISE # 66452C

PREREQUISITE: Marketing or Sports and Entertainment Marketing I

In this course, students are introduced to the industry of travel, tourism, and recreational marketing. Students acquire knowledge and skills on the impact of tourism, marketing strategies of the major hospitality and tourism segments, destinations, and customer relations. Emphasis is on career development, customer relations, economics, hospitality and tourism, travel destinations, and tourism promotion.

Marketing  Grade: 9-12
1 Credit NCWISE # 66212C

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations.

Marketing Co-op  Grade: 11-12
1 Credit NCWISE # 66216, 66226, 66316, 66456, 66706, 66716
(Required to match NCWISE# of corresponding Marketing Course)

PREREQUISITE: Marketing Course within the Co-op year

Students enrolling in marketing education courses may choose to participate in a cooperative education work experience during the same school year. A student choosing the cooperative work approach must be employed in an approved job by the deadline, submit wage and
hour documentation, and completes other assignments as required by the CTE Work-Base Learning Coordinator. Please see the Marketing Coop Policy Manual for more details.

Marketing Management – Honors Grade: 11-12
1 Credit NCWISE # 66225C

PREREQUISITE: Marketing OR Fashion Merchandising

In this course, students acquire an understanding of management environments of marketing concepts and functions. Topics include human resources, marketing information, products/services, distribution, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business decisions.

Marketing Management

Sports and Entertainment Marketing I Grade: 9-12
1 Credit NCWISE # 66702C

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; human relations; and safety and security.

Sports and Entertainment Marketing II Grade: 10-12
1 Credit NCWISE # 66712C

PREREQUISITE: Sports and Entertainment Marketing I

In this course, students acquire an understanding of sports, entertainment, and event marketing. Emphasis is on business management, career development, client relations, contracts, ethics, event management, facilities management, legal issues, and sponsorships.

Technology Education (TECH)

Adobe Digital Design Grade: 9-12
1 Credit NCWISE # 79382

This course aligns to standards to achieve certification for Adobe Dreamweaver and Adobe Flash software. Students will learn how to create project requirements, the elements of projects in the software, and how to manipulate functions and publish materials. The addition of the Adobe courses expands opportunities for students interested in Digital Media. Since Adobe is an industry recognized program, and for many businesses the standard, certification in these programs will lead to competitive advantage for students.

Adobe Visual Design
1 Credit NCWISE # 79372

Grade: 9-12

This course aligns to standards needed to achieve certification for Adobe Photoshop, InDesign, and Illustrator including setting project requirements, identifying design elements when preparing images, understanding Adobe software, manipulating images by using Adobe software and publishing digital images by using Adobe software.

Advanced Game Art and Design – Honors
Grade: 11-12
Maximum Enrollment: 20*
1 Credit NCWISE # 82225

PREREQUISITE: Game Art and Design

This course is a continuation in the study of game design and interactivity. Emphasis is placed on visual design, evaluating, scripting and networking protocols, and legal issues as well as 3D visual theory. Students compile a game portfolio. Advanced topics include the use of audio and visual effects, rendering, modeling, and animation techniques. Students work in collaborative teams to develop a final 3D game project.

Advanced Manufacturing I Grade: 9-12
Maximum Enrollment: 20*
1 Credit NCWISE # 74092CA1

This course provides students an overview of advanced manufacturing and introduces them to the foundational skills required to begin in an advanced manufacturing career including safety, formulas, blueprint reading, mechanical measurements and tools.

Advanced Manufacturing II Grade: 10-12
Maximum Enrollment: 20*
1 Credit NCWISE # 74092CA2

This course provides students a more in depth review of advanced manufacturing includes quality control, CNC milling & turning technology, and introduced the students to lean and flexible manufacturing systems.

Game Art and Design – Honors Grade: 11-12
Maximum Enrollment: 20*
1 Credit NCWISE # 82215

PREREQUISITE: Scientific and Technical Visualization I

This course introduces students to techniques used in the electronic game industry. Students will focus on the principles used in game design including mathematical and virtual modeling. Emphasis is placed on areas related to art, history, ethics, plot development, storyboarding, programming, 2D visual theory, and interactive play technologies. Students develop physical and virtual games using hands-on experiences and a variety of software.
PLTW Aerospace Engineering – Advanced  Grade: 11-12
Maximum Enrollment: 20*
1 Credit NCWISE # 80337

PREREQUISITE: Principles of Engineering and Algebra II

In this specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Using 3-D design software, students work in teams utilizing hands-on activities, projects, and problems and are exposed to various situations encountered by aerospace engineers.

PLTW Civil Engineering and Architecture – Advanced
Maximum Enrollment: 20*  Grade: 12
1 Credit NCWISE # 80317D

PREREQUISITE: Introduction to Engineering Design, Computer Integrated Engineering and Principles of Engineering

In this specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

PLTW Computer Integrated Manufacturing – Advanced
Maximum Enrollment: 20*  Grade: 10-12
1 Credit NCWISE # 80307D

PREREQUISITE: Introduction to Engineering Design and Algebra II or Geometry

In this specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students answer the questions: How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics, and flexible manufacturing systems.

PLTW Digital Electronics – Advanced  Grade: 11-12
Maximum Enrollment: 20*
1 Credit NCWISE # 80227D

PREREQUISITE: Principles of Engineering

In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students focus on the process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions.

PLTW Engineering Design and Development – Honors
Maximum Enrollment: 20*  Grade: 12
1 Credit NCWISE # 80405C

PREREQUISITE: Computer Integrated Manufacturing

In this capstone Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students will work in teams to research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. The team presents and defends their solution to a panel of outside reviewers at the conclusion of the course. The EDD course allows students to apply all the skills and knowledge learned in previous Project Lead the Way courses. The use of 3D design software helps students design solutions to the problem their team has chosen. This course also engages students in time management and teamwork skills, a valuable skill set for students in the future.

PLTW Introduction to Engineering Design – Advanced
Maximum Enrollment: 20*  Grade: 9-12
1 Credit NCWISE # 80207D

In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students are exposed to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.
PLTW Principles of Engineering – Advanced  Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 80217D  
PREREQUISITE: Introduction to Engineering Design  
In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students survey engineering and are exposed to major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.

Scientific and Technical Visualization I – Honors  
Maximum Enrollment: 20*  
Grade: 10-12  
1 Credit NCWISE # 80065  
This course introduces students to the use of complex graphic tools. Emphasis is placed on the principles, concepts, and use of complex graphic and visualization tools as applied to the study of science and technology. Students use complex 2D graphics, animation, editing, and image analysis tools to better understand, illustrate, explain, and present technical, mathematical, and/or scientific concepts and principles. Emphasis is placed on the use of computer-enhanced images to generate both conceptual and data-driven models, data-driven charts and animations. Science, math, and visual design concepts are reinforced throughout the course.

Scientific and Technical Visualization II – Honors  
Maximum Enrollment: 20*  
Grade: 10-12  
1 Credit NCWISE # 80075  
PREREQUISITE: Scientific and Technical Visualization I  
This course provides students with advanced skills in the use of complex visualization tools for the study of science, technology, or mathematical concepts. Students design and develop increasingly complex data and concept-driven visualization models. Students use complex 2D and 3D graphics, animation, editing, and image analysis tools to better understand, illustrate, and explain concepts. Students present technical, mathematical, and/or scientific concepts and principles.

CTE Advanced Studies in Technology  
Grade: 12  
1 Credit NCWISE # 85952TE  
PREREQUISITE: Two technical credits in Technology with one being a completer course.  
The Advanced Studies course must augment the content of the Technology completer course. Students work under the guidance of a teacher with expertise in the specific Technology area 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.

CTE Internship in Technology  
Grade: 12  
1 Credit NCWISE # 85972ST  
PREREQUISITE: Two technical credits in Technology with one being a completer course.  
A Technology Internship allows students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. 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.

Trade & Industrial Education

Automotive Brakes  
Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 75122C  
PREREQUISITE: Automotive Service  
This course teaches installation, inspection, and troubleshooting of automotive brake systems. Automotive Service Technology programs in North Carolina are National Automotive Technician Education (NATEF) certified.

Automotive Computer System Diagnostics  
Grade: 11-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 75132C  
PREREQUISITE: Automotive Brakes  
This course is based upon the use of computer system diagnostic tools to read and diagnose computer codes in a variety of automotive types.

Automotive Electrical  
Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 75142  
PREREQUISITE: Automotive Service  
This course emphasizes automotive electrical/electronics and is basic for electrical/electronic automotive preparation. Basic inspection, troubleshooting, and repair of automotive electrical/electronic systems will be included in this course.
Automotive Electrical Advanced  Grade: 11-12
Maximum Enrollment: 20*
1 Credit NCWISE # 75152

PREREQUISITE: Automotive Electrical

This course emphasizes advanced electrical/electronics. Advanced inspection, troubleshooting, and repair of automotive electrical/electronic systems will be included in this course.

Automotive Service  Grade: 9-12
Maximum Enrollment: 20*
1 Credit NCWISE # 75112C

This course introduces basic automotive skills and job opportunities in the auto repair industry. Topics include engine theory, automotive service preventive maintenance, brake repair, electrical systems troubleshooting, safety, test equipment, and measuring.

Collision Repair Technology I  Grade: 10-12
Maximum Enrollment: 20*
1 Credit NCWISE # 75212C

PREREQUISITE: Automotive Service

Students learn the basic skills in painting, refinishing, surface preparation, welding, panel alignment, estimating, structural analysis, and proper business and accounting practices related to auto body repair shops. The nature of, and job opportunities in, the industry are included in the instruction. Approximately 50% of the class time is devoted to hands-on experience using shop projects. Students also have opportunities to visit collision and specialty shops.

Collision Repair Technology II  Grade: 11-12
Maximum Enrollment: 20*
2 Credits NCWISE # 75222C

PREREQUISITE: Collision Repair Technology I

This course provides students with advanced instruction in collision repair, with emphasis on improving skills studied in Collision Repair Technology I. Approximately 75% of class time is devoted to actual shop work. Students completing this course are prepared to go into immediate employment, apprenticeship training, or technical college training.

Computer Engineering Technology I  Grade: 9-12
1 Credit NCWISE # 79912C

This course includes basic computer hardware, software, applications, troubleshooting, and customer service as integral parts of the course requirements.

Computer Engineering Technology II - Honors  Grade: 10-12
1 Credit NCWISE # 79925C

PREREQUISITE: Computer Engineering Technology I

This course includes advanced computer hardware, software, applications, troubleshooting, and customer service as integral parts of the course requirements.

Core and Sustainable Construction  Grade: 9-12
Maximum Enrollment: 20
1 Credit NC Wise # 77002

This course covers the National Center for Construction Education and Research (NCCER) The course content includes basic safety; introduction to construction math, hand tools, power tools, and blueprints; material handling; basic communication skills and employability skills; and “Your Role in the Green Environment”.

Carpentry I  Grade: 10-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77212C

PREREQUISITE: Core and Sustainable Construction

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills.

Carpentry II  Grade: 10-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77222C

PREREQUISITE: Carpentry I

This course covers additional technical aspects of carpentry with emphasis on development of intermediate skills. The course content includes floor systems, wall and ceiling framing, roof framing, introductions to concrete, reinforcing materials and forms, windows and exterior doors, and basic stair layout.

Carpentry III  Grade: 11-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77232C

PREREQUISITE: Carpentry II

This course develops advanced technical aspects of carpentry with emphasis on development of skills. The course content includes roofing applications, thermal and moisture protection, exterior finishing, cold formed steel framing and drywall installations.
Cosmetology I  
Grade: 11  
Maximum Enrollment: 20  
4 Credits NCWISE # 74092CC1  
PREREQUISITE: Application must be completed. Acceptance into program required. Principles of Business and Finance  
This course introduces developmental skills, employment opportunities, and career information required for the cosmetology industry. Topics include facials, manicures, hair cutting, chemical relaxing and restructuring, wet hair styling, and hair coloring and lighting. Skills in mathematics, science, biology, leadership, and problem solving are reinforced in this course. Students are required to purchase uniforms, shoes, and equipment that meet State Board of Cosmetic Arts requirements. To receive three (3) units of credit for the course, a student must complete six hundred (600) hours of supervised in-class work which requires additional time beyond the traditional course time. Students will be required to attend 4 weeks of a Summer School. Students will also be required to provide their own transportation. This course is available through CHS, FHHS, MRHS, MHS, PWHS, PDHS, PRHS, SVHS, and WHS only.

Cosmetology II  
Grade: 12  
4 Credits NCWISE # 74092CC2  
PREREQUISITE: Cosmetology I, Cosmetology Summer School  
Twelve-hundred (1200) hours qualify the student to take the NC State Board of Cosmetic Arts Licensing Examination after which the student must complete a six (6) month apprenticeship. Fifteen-hundred (1500) hours qualify the student to take the Licensing Examination with no apprenticeship requirement. In Cosmetology II, students practice the skills learned by working with customers in the clinic. Approximately 75% of the time in class is devoted to clinic work. In order for a student to receive three (3) units of credit for Cosmetology II, he/she must have a total of twelve-hundred (1200) hours of supervised class work. Students who complete all requirements are expected to take the NC State Board of Cosmetics Licensing Examination. Students will also be required to provide their own transportation.

CTE Advanced Studies in Trade and Industrial  
1 Credit NCWISE # 85972SI  
PREREQUISITE: Two technical credits in Trade and Industrial with one being a completer course  
The Advanced Studies course must augment the content of the T & I completer course. Students work under the guidance of a teacher with expertise in the specific T & I area 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.
techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3-D wireframe models using computer assisted design (CAD).

Drafting III – Engineering – Honor  Grade: 11-12
Recommended Maximum Enrollment: 25
1 Credit NCWISE # 79735
PREREQUISITE: Drafting II - Engineering

This course introduces the student to advanced engineering concepts using computer assisted design (CAD) tools. Topics studied include descriptive geometry, geometric tolerancing, and advanced engineering design concepts such as surface and solid modeling.

Electrical Trades I  Grade: 10-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77412C
PREREQUISITE: Core and Sustainable Construction

This course covers basic electrical trades terminology and develops technical aspects of electrical trades with emphasis on development of introductory skills such as residential wiring, electrical installation, and service. Topics include basic electricity, electrical construction codes and practices, the National Electrical Code, the use of test equipment, and electrical hand and power tools.

Electrical Trades II  Grade: 11-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77422C
PREREQUISITE: Electrical Trades I

This course builds on skills mastered in Electrical Trades I and provides an introduction to the National Electric Code, devices boxes, hand bending, raceways and fittings, conductors and cables, construction drawings, residential services, test equipment, alternating circuits, grounding and bonding.

Electrical Trades III  Grade: 11-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77432
PREREQUISITE: Electrical Trades II

This course content includes motors, electric lighting, conduit bending, pull and junction boxes, conductor installations, cable tray, conductor terminations and splices, circuit breakers and fuses, control systems, and concepts. Upon successful completion of the this course, students should be prepared to enter the workforce as an electrical helper and/ or continuing education towards degrees in Construction Management or Electrical Engineering.

Electronics I  Grade: 10-12
1 Credit NCWISE # 76312C

This course covers electronic practices and fundamentals, roles of electronics in communications and industry, and career development based upon the Electronic Technicians Association (ETA) areas of digital and direct current. Topics include safety, tools, schematics, soldering, measuring electricity, Ohm’s/Watt’s/Kirchhoff’s Laws, power, and circuits.

Emergency Medical Technology (EMT) I  Grade: 10-12
1 Credit NCWISE # 78392

This level one course along with the level two course will focus on acquiring the EMT Basic certification. These two specialized courses are designed to prepare potential health care workers, i.e. EMS, performance in an advanced technical or professional health career. Emphasis is placed on professional development, communications, safety, bioethical/legal practices, healthcare delivery systems, assessment and diagnostic practices, health maintenance practices, and problem-solving and decision making. Work-based learning strategies include the development of individualized clinical skills specifically related to emergency services (minimum of 60 hours) to be completed after school or on weekends. Students will be required to spend 4 Saturdays (8 hours each) for hands-on skill training. This course is developed in collaboration with the National Partnership, the North Carolina Community College system, and the North Carolina Office on Emergency Medical Services. The courses use standards that align with EMT Basic certification and lead to the opportunity for students to earn that credential. Selected students must be able to provide the following: transportation to clinical sites, proof of updated immunizations and valid government-issued photo ID. These students must submit to a criminal background check and drug screen.

Emergency Medical Technology (EMT) II  Grade: 11-12
1 Credit NCWISE # 78402

PREREQUISITE: Emergency Medical Technology (EMT) I

This level two course along with the level one course will focus on acquiring the EMT Basic certification. These two specialized courses are designed to prepare potential health care workers, i.e. EMS, performance in an advanced technical or professional health career. Emphasis is placed on professional development, communications, safety, bioethical/legal practices, healthcare delivery systems, assessment and diagnostic practices, health maintenance practices, and problem-solving and decision making. Work-based learning strategies include the development of individualized clinical skills specifically related to emergency services (minimum of 60 hours) to be completed after school or on weekends. Students will be required to spend
4 Saturdays (8 hours each) for hands-on skill training. This course is developed in collaboration with the National Partnership, the North Carolina Community College system, and the North Carolina Office on Emergency Medical Services. The courses use standards that align with EMT Basic certification and lead to the opportunity for students to earn that credential. Selected students must be able to provide the following: transportation to clinical sites, proof of updated immunizations and valid government-issued photo ID. These students must submit to a criminal background check and drug screen.

Fire Fighter Technology I  
Grade: 10-12  
1 Credit NCWISE # 78352

This course covers part of the NC Fire Fighter I/II combination certification modules required for all fire fighters in North Carolina. The modules include: Fire Department Orientation and Safety; Fire Prevention, Education, and Cause; Fire Alarms and Communications; Fire Behavior; Personal Protective Equipment; Portable Fire Extinguishers; and Fire Hose, Streams, and Appliances.

Fire Fighter Technology II  
Grade: 10-12  
1 Credit NCWISE # 78362

This course covers additional NC Fire Fighter I/II combination certification modules required for all fire fighters in North Carolina. The modules include: Ropes; Ladders; Forcible Entry; Ventilation; Water Supply; Sprinklers; and Foam Fire Stream.

Fire Fighter Technology III  
Grade: 10-12  
1 Credit NCWISE # 78372

In this course, students select one specific occupation in the Career Cluster and conduct research to include the nature of the work, work environment, training, education, and advancement, and job prospects.

Green Technology and Solar PV  
Grade: 11-12  
Maximum Enrollment: 16*  
1 Credit NCWISE # 74092SPV

PREREQUISITE: Level 1 Trade and Industrial Course or Horticulture 1

This course explains the reasons the Green Movement has taken on such importance in a relatively short amount of time. Students will learn the breadth of the green movement and then focuses on the Green Power technology portion of the movement. This course is designed to prepare students for jobs in the Solar PV workforce. This is accomplished by combining a solid Solar PV theory with a highly realistic collection of hands on lab procedures. In addition, the course prepares the student to challenge the industry standard PV Installer certification exam from the Electronic Technicians Association (ETA) as well as the Certified Energy Practitioners (CEP) exam from the NABCEP.

HVAC/R I  
Grade: 10-12  
Maximum Enrollment: 16*  
1 Credit NCWISE # 775122

PREREQUISITE: Core and Sustainable Construction

Through studies of residential and light commercial climate control, students learn basic principles of electric, oil, heat pump, gas, hydronic, and solar assisted units. Curriculum includes the safe use of hand tools, power tools, and other equipment utilized in the trade. (Parkwood and Monroe only)

HVAC/R II  
Grade: 11-12  
Maximum Enrollment: 16*  
2 Credits NCWISE # 775222

PREREQUISITE: HVAC/R I

Students learn blueprint and specification reading, ductwork design and fabrication, materials selection, job cost calculation, mechanical codes, heat load calculations, and installation procedures. Shop and construction safety practices are emphasized. Skills are developed and practiced in the fabrication and installation of duct systems and unit installation in residential dwellings. Approximately 75% of the time in class is devoted to shop and project work. Students have an opportunity to visit local construction sites and industries. Students completing this course are prepared to go into employment, apprenticeship training, or technical college. (Parkwood and Monroe only)

HVAC/R III  
Grade: 12  
Maximum Enrollment: 16*  
2 Credits NCWISE # 775322

PREREQUISITE: HVAC/R II

This course reinforces the competencies learned in HVAC/R I & II. Approximately 75% of the time in class will be devoted to shop and project work. Students completing this course are prepared to go into employment, apprenticeship training, or technical college. (Parkwood and Monroe only)

Hybrid and EV Technology  
Grade: 11-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 74092CHV

PREREQUISITE: Automotive Electrical Advanced

This course is designed to educate students about the design, construction and assembly of electric vehicles. The course describes sequential procedures for modifying
an internal combustion engine into battery electric drive or building a Switch Electric Car. The resulting vehicle will be a fully operational electric vehicle (EV).

Masonry I
Grade: 10-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77112C
PREREQUISITE: Core and Sustainable Construction
This course covers basic masonry terminology and develops technical aspects of masonry with emphasis on development of introductory skills. This course introduces the nature of masonry technology, materials and supplies, and employability skills. Topics include safety, layout, tools, leveling, plumbing, use of straight-edge, and jointing brick and block in wall construction.

Masonry II
Grade: 10-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77122C
PREREQUISITE: Masonry I
This course builds on skills mastered in Masonry I and provides advanced masonry skills including measurements, drawing and specifications, mortar, masonry units, and installation techniques.

Masonry III
Grade: 11-12
Maximum Enrollment: 16*
1 Credit NCWISE # 77132C
PREREQUISITE: Masonry II
This course develops advanced technical aspects of Masonry with emphasis on development of skills introduced in Masonry II. The course content includes residential plans and drawing interpretation, residential masonry, grout and other reinforcement, and metalwork in masonry. Introductory skills for the Crew Leader are also introduced in this course.

Motorsports Technology I
Grade: 11-12
Maximum Enrollment: 20*
1 Credit NCWISE # 74092CMT
PREREQUISITE: Completion of second level automotive or engineering course, instructor recommendation and Geometry and Physical Science courses
This highly advanced integration of the automotive/engineering programs will reinforce the math and science concepts used in the field of motorsports. Disciplines concerning future alternative fuels and involved fabrication principles are aligned with the research and development of performance vehicles.

Network Engineering Technology I
Grade: 10-12
1 Credit NCWISE # 79802C
This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Content includes personal computer hardware and operating systems, connection to networks and to the Internet through an ISP, network addressing, network services, wireless technologies, basic security, and troubleshooting networks. This course uses Cisco CCNA Discovery - Networking for Home and Small Businesses curriculum and must be conducted using the Cisco Networking Academy connection.

Network Engineering Technology II – Honors
Grade: 11-12
1 Credit NCWISE # 79815C
PREREQUISITE: Network Engineering Technology I
This course provides a basic overview of routing and remote access, addressing, security, email services, web space, and authenticated access. Content includes the Internet and its uses, Help Desk operations, planning network upgrades, planning the addressing structure, configuring network devices, Routing, ISP services, ISP responsibilities, troubleshooting, and Cisco Certified Entry Networking Technician (CCENT) exam preparation. This course uses Cisco CCNA Discovery - Working at a Small-to-Medium Business or ISP curriculum and must be conducted using the Cisco Networking Academy connection.

Network Engineering Technology III – Honors
Grade: 12
1 Credit NCWISE # 79825C
PREREQUISITE: Network Engineering Technology II
This course provides content for advanced networking engineering. Content includes networking in the Enterprise including infrastructure, switching, addressing, routing, WAN Links, filtering traffic, troubleshooting, design concepts, network requirements, identification of application impacts on network design, creating the design, prototyping, and preparing the proposal. This course is designed for networking students who are seeking their Cisco Certified Network Associate (CCNA) certificate. This course uses both CCNA Discovery – Introducing Routing and Switching in the Enterprise curriculum and CCNA Discovery - Designing and Supporting Computer Networks curriculum. These courses must be conducted using the Cisco Networking Academy connection.
Public Safety I  
Grade: 10-12  
1 Credit NCWISE # 78342  
This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students.

Public Safety II  
Grade: 10-12  
1 Credit NCWISE # 78382  
This course builds on content of the Public Safety I course. The Public Safety courses provide foundational information for students interested in following the cluster in specialized areas such as EMT, Fire Fighter, or Law Enforcement.

Small Engines I  
Grade: 10-12  
Maximum Enrollment: 20*  
1 Credit NCWISE # 74092SE1  
PREREQUISITE: 75112C Automotive Service  
This course teaches students the basic mechanical workings of small engines as they relate to motorcycles, etc. Students will learn about specific safety standards, small engine governors, ignition systems, cylinder heads, and other related small engine systems.

Smart Home Technology Integration  
Grade: 10-12  
Maximum Enrollment: 16*  
1 Credit NCWISE # 74092CHT  
PREREQUISITE: 75112C Automotive Service  
This course equips students with the fundamental knowledge and skills to enable them to install and integrate interconnected subsystems within the home. Primary topics include voice, data, and video distribution, surveillance network, multi-room audio/video distribution, infrared (IR) repeater, scenic light control, and home automation.

Welding Technology I  
Grade: 10-12  
Maximum Enrollment: 16*  
1 Credit NCWISE # 76612C  
PREREQUISITE: Core and Sustainable Construction  
This course covers basic industrial and construction welding practices, occupation characteristics, and employment opportunities. Topics include safety, tools, print reading, measurement, thermal cutting processes, basemetal preparation and shielded metal arc welding (SMAW).

Welding Technology II  
Grade: 11-12  
Maximum Enrollment: 16*  
1 Credit NCWISE # 76622  
PREREQUISITE: Welding Technology I  
This course introduces advanced welding and cutting practices used in industry and construction and emphasizes hands-on experience. Topics include weld fit-up and testing, metal properties, gas metal (GMAW), flux cored (FCAW), and shielded metal (SMAW) arc welding.

Welding Technology III  
Grade: 11-12  
Maximum Enrollment: 16*  
1 Credit NCWISE # 76632  
PREREQUISITE: 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 such as weld fit-up and testing, metal properties, gas metal (GMAW), flux cored (FCAW), and shielded metal (SMAW) arc welding.

Performing Arts Academy  
Dance I (3) Y  
Grade: 9  
2 Credits NCWISE # 51152C  
Using a modern dance-based approach, Dance I explores movement as a creative art form. Student learning includes opportunities to develop kinesthetic awareness, proper body alignment, physical strength, flexibility, endurance, and care of the dance instrument while exploring improvisational and expressive movement and basic modern dance technique.

Dance II (3) Y  
Grade: 10  
2 Credits NCWISE # 51162C  
PREREQUISITE: Dance I  
Dance II uses a modern dance-based approach and follows Dance I. Dance II emphasizes students' acquisition of intermediate movement skills and refined motor control through the study of various modern dance techniques. Through dance ensemble work, students continue to explore improvisation, dance elements, and composition as both dancer and choreographer. Students present the skills they have learned to selected audiences and learn basic technical/theatrical skills for dance production. Students will maintain a portfolio which contains written and/or visual examples of their work.
Dance III - Honors (4) Y  
2 Credits NCWISE # 51175C  
Grade: 11  
PREREQUISITE: Dance II  
Dance III uses a modern dance-based approach. Dance III emphasizes the study of dance as a creative and expressive art form. Students combine the use of improvisation, dance elements, choreographic principles, and technical/theatrical elements to explore the creation of meaningful dance compositions. Students will maintain a portfolio which contains written and/or visual examples of their work.

Dance IV - Honors (4) Y  
2 Credits NCWISE # 51185C  
Grade: 12  
PREREQUISITE: Dance III  
Dance IV uses a modern dance-based approach providing students with the opportunity to develop an advanced level of dance technique and refine their skills as both choreographer and performer. Students apply their creative and technical knowledge and skills through a variety of production and performance opportunities. Students will maintain a portfolio which contains written and/or visual examples of their work.

Humanities in the Arts (3) S  
1 Credit NCWISE # 40902C  
Grade: 10-12  
The humanities curriculum highlights connections between and among artistic and academic disciplines. The course will emphasize the arts in context, so that the study of the ways in which the arts speak to each other to connect time, places, and people. An historical analysis will give light to contemporary culture, through an examination of current artistic and intellectual creativity. It is taught with an interdisciplinary approach.

Special Topics Dance I (3) S  
1 Credit NCWISE # 51252C  
Grade: 9-12  
PREREQUISITE: Dance I  
Special Topics Dance I is a basic framework of goals and objectives relating to dance as an art form. Opportunities for creating, performing, responding to, and understanding dance are emphasized. This course is designed to support curricular initiatives at the local level. Courses such as Dance History, Ballet I, and Dance Appreciation are examples of appropriate courses that will follow this framework. Students will maintain a portfolio which contains written and/or visual examples of their work.

Special Topics Dance II (3) S  
1 Credit NCWISE # 51262C  
Grade: 9-12  
PREREQUISITE: Special Topics Dance I and Dance I  
Special Topics Dance II is a sequential course designed to build upon the knowledge and skills gained in Special Topics Dance I. This course is designed to support curricular initiatives at the local level. Courses such as Ballet II or other second level specialized dance courses are examples of appropriate courses that will follow this framework. Students will maintain a portfolio which contains written and/or visual examples of their work.

Performance Forum (3) Y  
2 Credits NCWISE # 513422  
Grade: 9-12  
Performance Forum provides an opportunity for Performing Arts students to participate with major performing artists in conversational dialogue, and symposiums with area professionals on topics and disciplines that students are actively involved in. Students will attend 12 extracurricular performances of professional artists throughout the school year and write reflections about these interactions. Performance Forum also gives students the opportunity to gain performance experience on stage in front of the Performing Arts Faculty and fellow students during two individual recitals given at the Central Academy.

Apparel Development I (3) S  
1 Credit NCWISE # 70352C  
Grade: 10-12  
This course examines costume production in the areas of preparation for costume construction, basic clothing construction techniques, textiles, design, and career opportunities. Skills in art, communication, mathematics, science and technology are reinforced in this course.

Apparel Development II (3) S  
1 Credit NCWISE # 70362C  
Grade: 11-12  
PREREQUISITE: Apparel Development I  
This course focuses on advanced costume development. The use of fibers and fabrics is combined with design and construction techniques to develop and produce intrigue costume designs. Skills in science, mathematics, communication, management, and teamwork are reinforced in this course.
Musical Theatre (3) S  
Grade: 11-12  
1 Credit NCWISE # 53602C  
PREREQUISITE: Audition and Interview  
This course prepares students for post-secondary instruction and/or a career in musical theatre. Students will review the history of musical theatre, assess different career options, and receive training in audition techniques. The course will also provide instruction on the three elements of musical theatre - song, drama, and dance - and create a framework in which these are blended seamlessly into an individualized performance style.

Technical Theatre I (3) S  
Grade: 9-12  
1 Credit NCWISE # 53621C1  
Designed to develop knowledge and skills in the technical elements of play production, including theatre management, stagecraft, scene design, theatrical lighting, and music and sound effects.

Technical Theatre II (3) S  
Grade: 9-12  
1 Credit NCWISE # 53621C2  
PREREQUISITE: Technical Theatre I  
This course is designed for students interested in pursuing further study in theatre management.

Theatre Arts I (3) S  
Grade: 9-12  
1 Credit NCWISE # 53152C  
This course teaches students an appreciation for theatre through academic and practical experience. Students will be exposed to various areas of the theatre.

Theatre Arts II (3) S  
Grade: 10-12  
1 Credit NCWISE # 53162C  
PREREQUISITE: Theatre Arts I  
This course is designed to develop the student’s working knowledge of acting, set design, make-up, costume, and directing. The student will build upon fundamental skills and apply them through actual performance opportunities.

Theatre Arts III – Honors (4) Y  
Grade: 11-12  
2 Credits NCWISE # 53175C  
PREREQUISITE: Theatre Arts II or Technical Theatre II  
This course consists of advanced individualized work in a seminar style course with an emphasis on in-depth research, analysis, application, and production.

Theatre Arts IV – Honors (4) Y  
Grade: 11-12  
2 Credits NCWISE # 53185C  
PREREQUISITE: Theatre Arts III Honors  
Course builds on Honors Theatre Arts III and includes student collaboration with directors and designers to develop unified production concepts for informal and formal theatre, film, television, or electronic media productions.

Performing Arts Internship (3) S  
Grade: 12  
1 Credit NCWISE # 95622P  
PREREQUISITE: Students must have completed four courses within their prescribed academy, including at least one second-level course.  
This internship course is directly related to the student’s academy and career choice. These internships may be paid or unpaid. A minimum of 135 hours should be completed during the semester the student is registered and getting credit for the internship. Academy/program area teachers need to assist with arranging and supervising on-site internships.
Union County Early College is a small school that students attend for five years and have the opportunity to leave with not only a high school diploma but an associate’s degree for free. We offer students a rigorous curriculum that includes college courses and a small community, built on relationships and support. We are located on the campus of South Piedmont Community College Campus on Old Charlotte Highway, near Monroe airport. Approximately 80 rising ninth grade students from Union County enter in August each school year. Students apply to our school during their 8th grade year. Early College does not have athletic teams, band, chorus, ROTC, or cheerleading. The students at Union County Early College will focus on high school and college courses.

How to Apply:

1. Students and parent/guardian fill out the application and return to your 8th Grade Counselor. Applications can be obtained from our website, http://ucec.ucps.k12.nc.us, or from your 8th grade counselor.

2. Eighth Grade Counselor collects information: teacher recommendations, EOG test scores, discipline history, attendance history, and current grades.

3. The Early College High School will contact qualifying students by mail.

Union County Early College High School Elective Courses

In addition to the core courses, below are the only elective courses taught by the high school. All other elective courses will be dual enrollment for college credit.

Advanced Inquiry and Research - Honors (4) S  Grade: 9
1 Credit - NCWISE# 10255IR

Designed to prepare ninth grade students for honors and college courses, this course will teach students the basic skills required for success in higher level classes. The skills covered include an initial assessment of reading and writing, a focus on introducing reading and writing strategies to improve the level and endurance of students' reading and writing, Socratic seminars, coordinated group activities and projects, research techniques and presentations, and inquiry-based activities, project-based learning, and a study of grammar and language usage.

Foundations of Algebra II - (3) S  Grade: 10
1 Credit - NCWISE # 20632CT2

PREREQUISITE: Algebra I

Transition to Algebra II is an introductory course to Algebra II. This course reviews the concepts of Algebra I and prepares students for Algebra II. Students are required to take Algebra II the semester after completing Transition to Algebra II. This course counts as an elective credit towards high school graduation.

Global Awareness - Honors (4) S  Grade: 9
1 Credit - NCWISE #40065C
Union County Online NCWISE# 40065V

This course is a combination of geography, current events, and globalization. Students will study current issues facing different countries and brainstorm sustainable solutions throughout the course. A critical component is to have students correspond and do joint projects with students in other countries through e-pals, podcasts and web conferencing.

Freshmen Focus (3) S  Grade: 9
1 Credit - NCWISE #95202CFF

The purpose of this course is to support freshmen students in success and transition to high school. Freshmen Focus will cover topics such as study skills, social skills, life skills, and other topics that address the needs of freshmen students. This course counts as an elective credit towards high school graduation.
Pre-College Reading (3) S
Grade: 10
1 Credit - NCWISE #95102CC

This course deals with improving comprehension and study skills including critical reading and thinking skills. Students are placed in this course to build skills which will assist in passing the reading comprehension and sentence structure parts of the Accuplacer test. Students who have not passed the Accuplacer within 15 points of the required score may be placed in this course. This course counts as an elective credit towards high school graduation.

* Students must pass South Piedmont Community College’s entrance test, the Accuplacer, before enrolling in college courses. The high school higher level math course (fourth math credit) and World History will be taken through South Piedmont Community College as a dual enrollment course. Students will receive high school and college credit.
CAREER AND COLLEGE PROMISE

Success in today’s global economy may require a two- or four-year degree. Through Career and College Promise (CCP), qualified high-school-age students in North Carolina have the opportunity to pursue these options, tuition free, while they are in high school, allowing them to get a jumpstart on their workplace and college preparation.

Career and College Promise provides the following options for students while they are still in high school:
• College Transfer Pathways leading to approximately 30 hours of college credit.
• Career Technical Pathways leading to certificates, diplomas, or degrees

A student must meet the following eligibility requirements in order to participate in the Career and College Promise Program:
• Be a high school junior or senior
• Have a weighted 3.0 GPA on high school courses
• Demonstrate college readiness on an approved assessment or placement test as shown in this table –

<table>
<thead>
<tr>
<th>Test</th>
<th>Plan**</th>
<th>PSAT**</th>
<th>Asset (NCCCS Cut Score)</th>
<th>Compass (NCCCS Cut Score)</th>
<th>Accuplacer (NCCCS Cut Score)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>15</td>
<td>49</td>
<td>41 Writing</td>
<td>70 Writing</td>
<td>86 Sentence Skills</td>
</tr>
<tr>
<td>Reading</td>
<td>17</td>
<td>50</td>
<td>41 Reading</td>
<td>81 Reading</td>
<td>80 Reading</td>
</tr>
<tr>
<td>Mathematics</td>
<td>19</td>
<td>50</td>
<td>41 Numerical Skills and 41 Int. Algebra</td>
<td>47 Pre-Algebra and 66 Algebra</td>
<td>55 Arithmetic and 75 Elem. Algebra</td>
</tr>
</tbody>
</table>

In addition to the diagnostic assessments, colleges may use the following SAT and ACT scores recommended by the testing companies as benchmarks for college readiness:

<table>
<thead>
<tr>
<th>SAT</th>
<th>ACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing</td>
<td>500 Writing</td>
</tr>
<tr>
<td>Critical Reading</td>
<td>500 Reading</td>
</tr>
<tr>
<td>Mathematics</td>
<td>500 Mathematics</td>
</tr>
</tbody>
</table>

*To be eligible for enrollment in a College Transfer Pathway, students must demonstrate college readiness in English, reading and mathematics on an approved test.

**PLAN and PSAT scores recommended by ACT and College Board as indicators of college readiness.

Textbooks, materials, fees, supply costs or other charges not classified as tuition for courses taken at a community college are the responsibility of the student. The student must adhere to all course requirements and examinations required by the instructor or institution. Students can contact their school counselor for more information.

UCPS high schools are offering college courses as a part of their regular school day. Students will register for these courses as they register for their other high school classes. The purchase of the textbooks for these classes will be furnished by the school or school system. Students meet the same requirements as for concurrent enrollment. Enrollees must be capable of completing college level course work.
Dual Credit for Career and College Promise

The State Board of Education adopted a change to Board Policy GCS-M-001 Course for Credit that permits Career & College Promise participants to receive high school credit for community college courses completed in a College Transfer pathway. The chart below represents the community college course and the manner in which it may be used for high school credit. The courses eligible for high school credit as listed in the Comprehensive Articulation Agreement will receive one extra quality point toward calculation of the student’s Grade Point Average (Honors credit), except introductory level world language courses. Courses not eligible for high school credit as listed in the Comprehensive Articulation Agreement, including introductory level world language courses, will receive a grade of Pass or Fail and will not be used toward the calculation of the student’s Grade Point Average.

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Suggested Credit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACA 122</td>
<td>College Transfer Success</td>
<td>No HS Credit</td>
<td>Will not appear on the High School Transcript.</td>
</tr>
<tr>
<td>ART 111</td>
<td>Art Appreciation</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>BIO 111</td>
<td>General Biology I</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>BIO 11</td>
<td>General Biology II</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Combination of BIO 111 and BIO 112</td>
<td>1 HS Credit -</td>
<td>Must pass both courses and the EOC to receive HS credit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 151</td>
<td>General Chemistry I</td>
<td>1 HS Credit –</td>
<td>Must complete the laboratory to receive HS credit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High School</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHM 152</td>
<td>General Chemistry II</td>
<td>1 HS Credit –</td>
<td>Must complete the laboratory to receive HS credit.</td>
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<tr>
<td></td>
<td></td>
<td>High School</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Chemistry</td>
<td></td>
</tr>
<tr>
<td>ECO 251</td>
<td>Principles of Microeconomics</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>ECO 252</td>
<td>Principles of Macroeconomics</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Expository Writing</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>ENG 112</td>
<td>Argument-Based Research</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>ENG 113</td>
<td>Literature-Based Research</td>
<td>1 Elective Credit</td>
<td></td>
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<tr>
<td>ENG 131</td>
<td>Introduction to Literature</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Combination of ENG 111 and ENG 112 or</td>
<td>1 HS Credit –</td>
<td>Must complete the full sequence of 3 courses to receive English III</td>
</tr>
<tr>
<td></td>
<td>113 and ENG 231 or 232 or 233</td>
<td>High School</td>
<td>credit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>English III</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Combination of ENG 111 and ENG 112 or</td>
<td>1 HS Credit –</td>
<td>Must complete the full sequence of 3 courses to receive English IV</td>
</tr>
<tr>
<td></td>
<td>113 and ENG 241 or 242 or 243</td>
<td>High School</td>
<td>credit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>English IV</td>
<td></td>
</tr>
<tr>
<td>HIS 121</td>
<td>Western Civilization I</td>
<td>1 Credit –</td>
<td></td>
</tr>
<tr>
<td>HIS 122</td>
<td>Western Civilization II</td>
<td>1 Credit –</td>
<td></td>
</tr>
<tr>
<td>HUM 115</td>
<td>Critical Thinking</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>MAT 151</td>
<td>Statistics I</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>MAT 161</td>
<td>College Algebra</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>MAT 171</td>
<td>Pre-Calculus Algebra</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>MAT 172</td>
<td>Pre-Calculus Trigonometry</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Combination of MAT 171 and MAT 172</td>
<td>1 Credit – High</td>
<td>Requires both labs (0 credits each) to receive credit as the 4th math.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>School Pre-Calculus</td>
<td></td>
</tr>
<tr>
<td>MAT 271</td>
<td>Calculus I</td>
<td>1 Credit – High</td>
<td>Requires lab (0 credits) to receive credit as 4th math.</td>
</tr>
<tr>
<td>PSY 150</td>
<td>General Psychology</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>SOC 210</td>
<td>Introduction to Sociology</td>
<td>1 Elective Credit</td>
<td></td>
</tr>
<tr>
<td>SPA 111</td>
<td>Elementary Spanish I</td>
<td>1 Credit – High</td>
<td>Other world languages may be substituted.</td>
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<td></td>
<td></td>
<td>School World</td>
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<tr>
<td></td>
<td></td>
<td>Language</td>
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</tr>
</tbody>
</table>
The Core 44 College Transfer Pathway is designed for high school juniors and seniors who wish to begin the pathway towards a baccalaureate degree. The Core 44 Pathway is a structured set of general education courses leading to completion of the Associate in Arts or Associate in Science diploma (44 hours) or degree (64 hours). Upon completion of the diploma or degree and admission to a North Carolina public university or a participating independent college or university, students will receive credit for the undergraduate, lower-division general education core as established in the Comprehensive Articulation Agreement between the University of North Carolina and the North Carolina Community College System.

Each pathway currently available through Career and College Promise is described in the following tables:

**CORE 44 COLLEGE TRANSFER PATHWAY - BUSINESS AND ECONOMICS (P1012B)**

<table>
<thead>
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<th>Course Name</th>
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<tbody>
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<tr>
<td>ENG 113</td>
<td>Literature – Based Research (3SHC)</td>
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<td>ENG 233</td>
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<td>SOC 210</td>
<td>Introduction to Sociology (3SHC)</td>
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<td>ECO 251</td>
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<tr>
<td>BIO 111</td>
<td>General Biology I (4SHC)</td>
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<td></td>
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<tr>
<td>MAT 171</td>
<td>Pre-Calculus Algebra (3SHC)</td>
<td>2070I</td>
<td></td>
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<tr>
<td>CIS 110</td>
<td>Introduction to Computers (3SHC)</td>
<td>6499UI</td>
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<tr>
<td>COM 231</td>
<td>Public Speaking (3SHC)</td>
<td>1015IP</td>
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<tr>
<td>ACA 122</td>
<td>College Transfer Success (1SHC)</td>
<td>9575T</td>
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<td>Pre-Calculus Algebra Lab (1SHC)</td>
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Total Semester Hours Credit (SHC) : 33

**CORE 44 COLLEGE TRANSFER PATHWAY - ENGINEERING AND MATHEMATICS (P1042B)**

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<td>World Civilization II (3SHC)</td>
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<tr>
<td>CHM 151</td>
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<td>MAT 171A</td>
<td>Pre-Calculus Algebra Lab (1SHC)</td>
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<td>2499TM</td>
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<td>MAT 172A</td>
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Total Semester Hours Credit (SHC) : 32
### CORE 44 COLLEGE TRANSFER PATHWAY - HUMANITIES AND SOCIAL SCIENCE (P1012A)

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<td>1025TR</td>
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</tr>
<tr>
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<td>ART 111</td>
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<td>PSY 150</td>
<td>General Psychology (3SHC)</td>
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<td>BIO 111</td>
<td>General Biology I (4SHC)</td>
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<tr>
<td>MAT 171</td>
<td>Pre-Calculus Algebra (3SHC)</td>
<td>2070I</td>
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<tr>
<td>COM 231</td>
<td>Public Speaking (3SHC)</td>
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<td>SPA 111</td>
<td>Elementary Spanish (3SHC)</td>
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<tr>
<td>ACA 122</td>
<td>College Transfer Success (1SHC)</td>
<td>9575T</td>
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<tr>
<td>MAT 171A</td>
<td>Pre-Calculus Algebra Lab (1SHC)</td>
<td>2499IM</td>
<td>2499TM</td>
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**Total Semester Hours Credit (SHC) : 33**

### CORE 44 COLLEGE TRANSFER PATHWAY - LIFE AND HEALTH SCIENCES (P1042A)

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<th>NCWISE Online</th>
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</tr>
<tr>
<td>ENG 113</td>
<td>Literature – Based Research (3SHC)</td>
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</tr>
<tr>
<td>ENG 233</td>
<td>Major American Writers (3SHC)</td>
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<td>1027T233</td>
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<td>HIS 112</td>
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<tr>
<td>BIO 111</td>
<td>General Biology I (4SHC)</td>
<td>3020T</td>
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<tr>
<td>BIO 112</td>
<td>General Biology II (4SHC)</td>
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<tr>
<td>CHM 151</td>
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<td>CHM 152</td>
<td>General Chemistry II (4SHC)</td>
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<td>MAT 171</td>
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<tr>
<td>ACA 122</td>
<td>College Transfer Success (1SHC)</td>
<td>9575T</td>
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<tr>
<td>MAT 171A</td>
<td>Pre-Calculus Algebra Lab (1SHC)</td>
<td>2499IM</td>
<td>2499TM</td>
</tr>
</tbody>
</table>

**Total Semester Hours Credit (SHC) : 33**
Career and Technical Education Pathways via Career and College Promise

The following tables include information regarding individual CTE pathways. Students being with the courses offered by UCPS and complete the pathway through coursework offered at the community college level. Articulated credit (college credit for a high school course) should be requested within the first two years after high school graduation.

### Accounting UC Pathway

<table>
<thead>
<tr>
<th>SPCC Course # / Sem Hours</th>
<th>Course Name</th>
<th>NCWISE #</th>
<th>Grade</th>
<th>Articulated Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCPS</td>
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<td>64172C</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>UCPS</td>
<td>Principles of Business and Finance</td>
<td>87212C</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>UCPS</td>
<td>Personal Finance</td>
<td>87262C</td>
<td>10</td>
<td>Yes</td>
</tr>
<tr>
<td>UCPS</td>
<td>Accounting I</td>
<td>63115C</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>UCPS</td>
<td>Marketing</td>
<td>66212C</td>
<td>10</td>
<td>Yes</td>
</tr>
<tr>
<td>ACC 120 (4)</td>
<td>Principles of Financial Accounting</td>
<td>8598</td>
<td>11</td>
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<tr>
<td>ACC 129 (3)</td>
<td>Individual Income Tax</td>
<td>8598</td>
<td>11</td>
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<tr>
<td>ACC 121 (4)</td>
<td>Managerial Accounting</td>
<td>8598</td>
<td>12</td>
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</tr>
<tr>
<td>ECO 252 (3)</td>
<td>Principles of Macroeconomics</td>
<td>8598</td>
<td>12</td>
<td></td>
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<tr>
<td>(3)</td>
<td>Optional Core 44 College Transfer Pathway Course</td>
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<tr>
<td>(3)</td>
<td>Optional Core 44 College Transfer Pathway Course</td>
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Potential SPCC Semester Hours Credit - 26 (UCPS Articulated Credit – 6, SPCC Credit – 20)

### Computer Information Systems UC Pathway

<table>
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<tr>
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<th>Course Name</th>
<th>NCWISE #</th>
<th>Grade</th>
<th>Articulated Credit</th>
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<tbody>
<tr>
<td>UCPS</td>
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<td>64172C</td>
<td>9</td>
<td></td>
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<tr>
<td>UCPS</td>
<td>Principles of Business and Finance</td>
<td>87212C</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>UCPS</td>
<td>Multimedia and Webpage Design</td>
<td>64142C</td>
<td>10</td>
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</tr>
<tr>
<td>UCPS</td>
<td>Computer Programming I</td>
<td>64215C</td>
<td>10</td>
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<tr>
<td>UCPS</td>
<td>Computer Programming II</td>
<td>64225C</td>
<td>11</td>
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</tr>
<tr>
<td>CIS 110 (3)</td>
<td>Introduction to Computers</td>
<td>8598</td>
<td>11</td>
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</tr>
<tr>
<td>BUS 110 (3)</td>
<td>Introduction to Business</td>
<td>8598</td>
<td>11</td>
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</tr>
<tr>
<td>CIS 115 (3)</td>
<td>Introduction to Programming and Logic</td>
<td>8598</td>
<td>12</td>
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</tr>
<tr>
<td>DBA 110 (3)</td>
<td>Database Concepts</td>
<td>8598</td>
<td>12</td>
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<tr>
<td>SEC 110 (3)</td>
<td>Security Concepts</td>
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Potential SPCC Semester Hours Credit - 21 (UCPS Articulated Credit – 3, SPCC Credit – 18)
## Computer Information Technology UC Pathway

<table>
<thead>
<tr>
<th>SPCC Course # / Sem Hours</th>
<th>Course Name</th>
<th>NCWISE #</th>
<th>Grade</th>
<th>Articulated Credit</th>
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<tr>
<td>UCPS</td>
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<td>UCPS</td>
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<td>UCPS</td>
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<td>64215C</td>
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<td>CIS 110 (3)</td>
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<tr>
<td>BUS 110 (3)</td>
<td>Introduction to Business</td>
<td>8598</td>
<td>11</td>
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<tr>
<td>CIS 115 (3)</td>
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<td>12</td>
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<td>DBA 110 (3)</td>
<td>Database Concepts</td>
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<td>SEC 110 (3)</td>
<td>Security Concepts</td>
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<td>12</td>
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<tr>
<td>WEB 110 (3)</td>
<td>Internet/Web Fundamentals</td>
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Potential SPCC Semester Hours Credit - 21  (UCPS Articulated Credit – 3,  SPCC Credit – 18)

## Web Technologies  UC Pathway

<table>
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<th>Articulated Credit</th>
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<tr>
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<td>Multimedia and Webpage Design</td>
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Potential SPCC Semester Hours Credit - 18  (UCPS Articulated Credit – 3,  SPCC Credit – 15)
### Fundamentals of Medical Office Administration UC Pathway

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Potential SPCC Semester Hours Credit - 18 (UCPS Articulated Credit – 0, SPCC Credit – 18)

### Business Administration UC Pathway

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<tr>
<td>UCPS</td>
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<td>UCPS</td>
<td>Personal Finance</td>
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<td>10</td>
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<tr>
<td>UCPS</td>
<td>Marketing</td>
<td>66212C</td>
<td>10</td>
<td>Yes</td>
</tr>
<tr>
<td>CIS 110 (3)</td>
<td>Introduction to Computers</td>
<td>8598</td>
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<tr>
<td>BUS 110 (3)</td>
<td>Introduction to Business</td>
<td>8598</td>
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<td>BUS 137 (3)</td>
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<td>BUS 115 (3)</td>
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Potential SPCC Semester Hours Credit - 24 (UCPS Articulated Credit – 6, SPCC Credit – 18)
### Basic Game Development UC Pathway

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Potential SPCC Semester Hours Credit - 21  (UCPS Articulated Credit – 3, SPCC Credit – 18)

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Potential SPCC Semester Hours Credit - 18 (UCPS Articulated Credit – 0, SPCC Credit – 18)

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Potential SPCC Semester Hours Credit - 18 (UCPS Articulated Credit – 0, SPCC Credit – 18)
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Potential SPCC Semester Hours Credit - 20 (UCPS Articulated Credit –3, SPCC Credit – 17)

### Industrial Systems UC Pathway

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Potential SPCC Semester Hours Credit - 17 (UCPS Articulated Credit –0, SPCC Credit – 17)
### Extended Electricity UC Pathway

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(3) Optional Core 44 College Transfer Pathway Course

Potential SPCC Semester Hours Credit – 24 (UCPS Articulated Credit – 3, SPCC Credit – 21)

### Introduction to Air Conditioning, Heating, and Refrigeration UC Pathway

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(3) Optional Core 44 College Transfer Pathway Course

Potential SPCC Semester Hours Credit – 24 (UCPS Articulated Credit – 0, SPCC Credit – 24)
## Extended Early Childhood UC Pathway

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Potential SPCC Semester Hours Credit - 18 (UCPS Articulated Credit – 0, SPCC Credit – 18)
Appendix I

GRIEVANCE PROCEDURE
Should a student believe a teacher, principal, or other school system employee has violated, failed to enforce, or misinterpreted a local school rule, school system regulation, or Board of Education policy, he/she will be expected to use the following procedure to present the grievance:

STEP 1
The student should first talk to the person whom the student feels is responsible. A telephone call is acceptable but face-to-face contact is best. The student should contact this person within a 24 hour period and state the grievance in a calm manner and listen carefully to the reply.

STEP 2
If the student believes that the problem is not resolved, he/she should ask for a conference with the principal within a 48 hour period. The principal will see the student within a 48 hour period. The student and the principal should work together to resolve the problem. If the student finds the solution not to be acceptable, he/she should so inform the principal. The principal will send the student a letter explaining why he/she disagrees with the student.

STEP 3
If the student wishes to pursue the grievance beyond the principal, he/she should call within 48 hours to the Assistant Superintendent of Administration, Union County Public Schools, at telephone 704-296-9898 and explain the problem. The Assistant Superintendent will discuss the problem with the student. He/she may ask the student to state his/her grievance to him/her in a letter. He/she will conduct a thorough investigation. He/she may ask the student and others to meet with him/her to discuss and, hopefully, resolve the matter. If the grievance cannot be resolved by the Assistant Superintendent to the satisfaction of all concerned, he/she will prepare a written report of his/her findings and recommendations for the Superintendent and send the student a copy of the report.

STEP 4
The Superintendent of Union County Public Schools will review the report. The Superintendent may ask for a conference with all parties involved. The Superintendent will, in writing, notify the student of his/her decision concerning the grievance within five (5) days.

STEP 5
If the student is not satisfied with the decision of the Superintendent, he/she may appeal to the Board of Education within ten days of receipt of the Superintendent’s letter. The student may call or write the Superintendent for an appointment with the Board. The student will be notified of the date, time, and place for the appeal to the Board. A complete record of the grievance will be sent to the Board. The record will describe the facts and positions of all parties involved. The student will have an opportunity to review the report and make changes if it does not accurately state his/her position before it goes to the Board. The hearing before the Board will be informal, and all parties will be given the opportunity to speak and be heard. The Board will make a decision concerning the grievance.
Appendix II

Requirements for Admission to the University of North Carolina System

Six course units in language, including:
• four units in English emphasizing grammar, composition, and literature, and
• two units of a language other than English.

Four course units of Mathematics, in any of the following combinations:
• Algebra I and II, Geometry, and one unit beyond Algebra II,
• Algebra I and II, and two units beyond Algebra II, or
• Integrated Math I, II, and III, and one unit beyond Integrated Math III.
(The fourth unit of math affects applicants to all institutions except the North Carolina School of the Arts.)

It is recommended that prospective students take a mathematics course unit in the twelfth grade.

Three course units in science, including:
• at least one unit in a life or biological science (for example, Biology),
• at least one unit in a physical science (for example, Physical Science, Chemistry, Physics), and
• at least one laboratory course.

Two course units in social studies, including:
• one unit in American history, but an applicant who does not have the unit in American history may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year.
Appendix III

FOUR YEAR ACADEMIC PLAN - Differentiated Education Plan 2013-2014

_____ North Carolina Scholar  
_____ Future-Ready Core Course of Study  
_____ Occupational Course of Study  
_____ Career Academy of South Providence

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Four credits in Career & Technical Education

Four credits in Career & Technical Education

Six Occupational Prep Credits

Six Occupational Prep Credits
## Appendix IV

### Acronyms

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**On the cover:**

Porter Ridge High School

**Back row**
1. Jenna Marrocco
2. Joel Lutuangu
3. Kelsey Bartlett
4. Michael Jones

**Front Row**
1. Christian Rathbone
2. Melissa Berrios
3. Alyse Steele
4. Khala Clemons
# Index

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>PAGE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Course Information</td>
<td>8-25</td>
</tr>
<tr>
<td>Academic Difficulty</td>
<td>14-15</td>
</tr>
<tr>
<td>Academic Letter Guidelines</td>
<td>16</td>
</tr>
<tr>
<td>Academic Recognition</td>
<td>15</td>
</tr>
<tr>
<td>Academically Talented Students</td>
<td>17</td>
</tr>
<tr>
<td>Advanced Placement Courses</td>
<td>15</td>
</tr>
<tr>
<td>Alternative Instructional Settings</td>
<td>19</td>
</tr>
<tr>
<td>Articulation Agreement</td>
<td>21</td>
</tr>
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<td>Arts Education Courses</td>
<td>52</td>
</tr>
<tr>
<td>Athletic Eligibility Requirements</td>
<td>25</td>
</tr>
<tr>
<td>Attendance Recovery</td>
<td>21</td>
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<td>Auditing Classes</td>
<td>22</td>
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<tr>
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<td>115</td>
</tr>
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<td>78</td>
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<td>7</td>
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</tr>
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<td>21</td>
</tr>
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</tr>
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<td>20</td>
</tr>
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</tr>
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<td>11</td>
</tr>
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<td>Courses Taken at Middle School</td>
<td>11</td>
</tr>
<tr>
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</tr>
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<td>19</td>
</tr>
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<td>Driver’s Education</td>
<td>25</td>
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<td>25</td>
</tr>
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<td>21</td>
</tr>
<tr>
<td>Early Graduation</td>
<td>12</td>
</tr>
<tr>
<td>End-Of-Course Tests</td>
<td>13</td>
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<td>English Courses</td>
<td>29</td>
</tr>
<tr>
<td>Exit Standards</td>
<td>8</td>
</tr>
<tr>
<td>Fifth Year Seniors</td>
<td>12</td>
</tr>
<tr>
<td>Forest Hills High</td>
<td>7</td>
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<td>6</td>
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<td>16</td>
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<td>8</td>
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<td>Health and Physical Education Courses</td>
<td>33</td>
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<td>25</td>
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<td>59</td>
</tr>
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<td>Marshals</td>
<td>15</td>
</tr>
<tr>
<td>Marvin Ridge High</td>
<td>7</td>
</tr>
<tr>
<td>Marvin Ridge High - International Baccalaureate Program</td>
<td>68</td>
</tr>
<tr>
<td>Mathematics Courses</td>
<td>35</td>
</tr>
<tr>
<td>Maximum Potential</td>
<td>9</td>
</tr>
<tr>
<td>Mid-Year Graduation for Seniors</td>
<td>13</td>
</tr>
<tr>
<td>Minimum Course Requirements</td>
<td>22</td>
</tr>
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<td>Miscellaneous Courses</td>
<td>65</td>
</tr>
<tr>
<td>Monroe High</td>
<td>7</td>
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<td>NC Academic Scholars Program</td>
<td>17</td>
</tr>
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<td>NC Virtual Public School</td>
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<td>15</td>
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<td>Promotion Standards</td>
<td>12</td>
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<td>22</td>
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<td>Science Courses</td>
<td>39</td>
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<td>Social Studies Courses</td>
<td>42</td>
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<td>South Providence School</td>
<td>7</td>
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<tr>
<td>Student Assistants</td>
<td>22</td>
</tr>
<tr>
<td>Summer Classes</td>
<td>19</td>
</tr>
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<td>7</td>
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<td>17</td>
</tr>
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<td>Union County Virtual On-Line</td>
<td>20</td>
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<td>15</td>
</tr>
<tr>
<td>Weddington High</td>
<td>7</td>
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<tr>
<td>Weighting of Grades</td>
<td>14</td>
</tr>
<tr>
<td>Wolfe School</td>
<td>7</td>
</tr>
<tr>
<td>World Languages Courses</td>
<td>48</td>
</tr>
</tbody>
</table>
DR. MARY ELLIS
Superintendent
704-296-0766

DR. JOHN JONES
Deputy Superintendent
Instructional Programs
704-296-1002

DR. DAVID CLARKE
Deputy Superintendent
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Associate Superintendent
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MICHELE SCHELLHORN
Secretary to Director
of Secondary Education
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CAROLYN WHITE
Pupil Services & Testing Director
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BILL COOK
Federal Programs Director
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Exceptional Children’s Director
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