Wayne County Public Schools

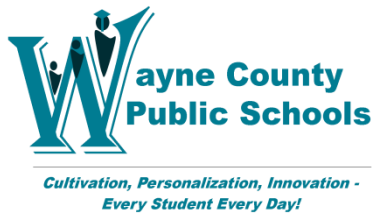*Cultivation, Personalization, Innovation -*
Every Student Every Day!

HIGH SCHOOL REGISTRATION PLANNING GUIDE
2020-2021

Wayne County School System High Schools

www.waynecountyschools.org

> Charles B. Aycock
> Eastern Wayne
> Goldsboro
> Rosewood
> Southern Wayne
> Spring Creek
> Wayne Early/Middle College
> Wayne School of Engineering
> Wayne Middle/High Academy

Superintendent's Message

Superintendent
Dr. Michael J. Dunsmore

Board Chair
Don Christopher West

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Wayne County Public Schools is committed to helping students graduate prepared for college, military, and/or the workforce. In looking ahead to next school year, I would encourage students and families to thoroughly review this registration planning guide to become better informed about the many exciting options, resources and educational opportunities that are available.

Each of our high schools offer a rigorous academic program that have a broad range of academic services and options tailored to today's learner. We would encourage students and/or families to speak with a school counselor if they have any questions about course offerings listed in this registration planning guide.

Planning your academic schedule for the upcoming year is an exciting process. Our school counselors are ready to guide families through the registration process and assist students in making informed decisions regarding their educational pursuits.

On behalf of Wayne County Public Schools, I hope you have a wonderful and successful 2020-2021 school year!

With regards,

Dr. Michael J. Dunsmore, Superintendent
Wayne County Public Schools

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High School Directory

Charles B. Aycock High School
P.O. Box 159
5460 U.S. 117 North
Pikeville, NC 27863
919-242-3400

Eastern Wayne High School
1135 E. New Hope Road
Goldsboro, NC 27534
919-751-7120

Goldsboro High School
901 E. Beech Street
Goldsboro, NC 27530
919-731-5930

Rosewood High School
900 Rosewood Road
Goldsboro, NC 27530
919-705-6050

Southern Wayne High School
124 Walter Fulcher Road
Dudley, NC 28333
919-705-6060

Spring Creek High School
4340 Indian Springs Road
Seven Springs, NC 28578
919-751-7160

Wayne Middle/High Academy
801 N. Lionel Street
Goldsboro, NC 27530
919-580-3609

Wayne Early/Middle College High School
3000 Wayne Memorial Drive
Goldsboro, NC 27534
919-739-7070

Wayne School of Engineering @ Goldsboro High School
700 N. Herman Street
Goldsboro, NC 27530
919-734-0070

Special Notices

Wayne County Public Schools does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following persons who are located at 2001 East Royall Avenue, Goldsboro, NC, 27533 and who can be reached at phone number (919) 731-5900 have been designated to handle inquiries regarding non-discrimination policies:

- ◆ Dr. Tim Harrell, Title IX Coordinator (Sex Discrimination/Sexual Harassment)
- ◆ Ms. Gail Sasser, Section 504/Handicapped Coordinator/Homebound Coordinator
- ◆ Dr. Yvette Mason, Title VI Coordinator (Race/National Origin Discrimination)

All educational programs in Wayne County Public Schools are offered without regard to race, creed, color, national origin, sex, disadvantage or handicap. All Career and Technical Education programs in Wayne County Public Schools are offered without regard to race, creed, color, national origin, sex, disadvantage or handicap. WCPS provides educational opportunities and follows procedures according to the Interstate Compact on educational opportunities for military children.

Policies and administrative regulations change frequently.
The online version of this registration planning guide can be found at www.waynecountyschools.org.
The online registration planning guide will be updated as changes occur.
It is the student's responsibility to ensure that their educational program meets requirements.

**Not all of the courses referenced in this planning guide are available at every high school.
Refer to your high school's course selection sheet to determine class availability.**

Military Child Education

Wayne County Public Schools works to ensure successful transitions and on-time graduation for military connected students. Transcript evaluation, course credits and course placement are vital to a high school student's transition. *The Interstate Compact on Educational Opportunity for Military Children (mic3.net)* provides consistent policy to address key educational issues encountered by military families including enrollment, placement, attendance, eligibility and graduation. For more information or questions regarding Military Child Education, visit www.waynecountyschools.org or contact Jamie Livengood, Military Liaison Counselor, jamielivengood@wcps.org.

Graduation Requirements

CONTENT AREA	FUTURE-READY CORE DIPLOMA	OCCUPATIONAL Course of Study Diploma (select IEP students)
English	**4 Credits** English I, II, III, and IV	**4 Credits** English I, II, III, and IV
Mathematics	**4 Credits** NC Math 1, NC Math 2, NC Math 3 (OR Algebra I, Geometry, Algebra II) *plus* a fourth math course aligned with the student's post high school plans	**3 Credits** Introduction to Mathematics I NC Math 1 Financial Management
Science	**3 Credits** Earth/Environmental Science; Biology; and a physical science (either Physical Science, Chemistry, or Physics)	**2 Credits** Applied Science Biology
Social Studies	**4 Credits** World History; American History: The Founding Principles, Civics, and Economics; American History I; American History II **OR** World History; American History: The Founding Principles, Civics, and Economics; AP US History; *plus* 1 more social studies elective course	**2 Credits** American History: The Founding Principles, Civics, and Economics **AND** American History I **OR** American History II
World (Second) Language	**2 Credits** Required to meet minimum application requirements for UNC system	**Not Required**
Health and Physical Education	**1 Credit** Health/PE including cardiopulmonary resuscitation (CPR) instruction	**1 Credit** Health/PE including cardiopulmonary resuscitation (CPR) instruction
Economics and Personal Finance	**1 Credit** Required credit for students entering 9th Grade in 2020 or after	
Electives or other requirements	**11 or 12 Credits:** (depending on 9th Grade entry date) **2 elective credits of any combination from either:** – Career and Technical Education (CTE) – Arts Education – World Language **4 elective credits (four course concentration) from one of the following is strongly recommended:** – Career and Technical Education (CTE) – JROTC – Arts Education (e.g. Dance, Music, Theater Arts, Visual Arts) – Any other subject area (e.g. Social Studies, Science, Mathematics, English)	**10 Credits:** **6 Occupational Preparation Credits**: Occupational Preparation I, II, III, and IV (including the completion of 150 hours of school-based training, 225 hours of community-based training, and 225 hours of paid employment) **4 Credits:** Career and Technical Education electives Students graduating in or after 2015 are required to successfully complete CPR instructions as outlined in NCGS 115c-81 (el).
Total	**28 Credits**	**22 credits** + presentation of Career Portfolio and completion of IEP objectives

Promotion Requirements

- ♦ Promotion to 10th Grade: student must have earned 6 credits
- ♦ Promotion to 11th Grade: student must have earned 13 credits
- ♦ Promotion to 12th Grade: student must have earned 20 credits

Grading System

Students in grades 9-12 earn quality points based on course level designation. The following course levels are now in Wayne County Public Schools: S (Standard Level); H (Honors Level); AP (Advanced Placement). Grades and the corresponding quality points are shown below for the 3 different levels of courses offered.

Students entering 9th Grade in the 2015-2016 school year (and beyond)

Letter Grade	Numerical Grade	Standard	Honors	Advanced Placement/ College Transfer
A	90-100	4.0	4.5	5.0
B	80-89	3.0	3.5	4.0
C	70-79	2.0	2.5	3.0
D	60-69	1.0	1.5	2.0
F	59 and below	0	0	0

Course Credit

In order to receive credit for courses, a student must achieve a passing grade (60 or greater) as the final course average. Final exams in courses with EOCs and teacher-made exams will count as 20% of the final grade. The end-of-semester Career and Technical Education State Assessments will also count as 20% of the final grade. Any student taking an Advanced Placement course must take the AP Exam in order to receive course credit. The AP Exam is not the final exam for an Advanced Placement Course.

Unweighted GPA

A GPA that does not include extra quality points for courses that are taught at a more rigorous academic level than a standard course.

Weighted GPA

A GPA that includes extra quality points for courses taught at a more rigorous academic level such as honors (+.5 quality point) and advanced placement (+1 quality points) courses. This is also known as the QPA or Quality Point Average.

Academic Recognition

Honor Roll

- Principal's List: A student must have all A's in all courses.
- "A" Honor Roll: A student must have an overall grade average of 90.0 with no grade below 80.
- "B" Honor Roll: A student must have an overall grade average of 80.0 with no grade below 70.
- 80 Average: A grade average of 79.4445 or above.
- 90 Average: A grade average of 89.4445 or above.

Class Rank

The weighted GPA will be used to determine class rank. In cases where students have an identical weighted GPA, multiple students shall be designated, in alphabetical order by last name, for the same class rank number.

Designation of Latin Honors

Beginning with the Class of 2019, qualified students may earn Latin Honors (e.g., Cum Laude, Magna Cum Laude, Summa Cum Laude). Students may earn the following Latin Honors by attaining the associated Weighted GPA for each honor:

- Cum Laude Graduate = Weighted GPA of 3.75 to 3.99 (on the 4.0 scale);
- Magna Cum Laude Graduate = Weighted GPA of 4.0 to 4.24 (on the 4.0 scale); or
- Summa Cum Laude Graduate = Weighted GPA of 4.25 or higher (on the 4.0 scale).

Latin Honors will be determined at the end of the 4th grading period for all students. Corresponding stickers will be affixed to students' diplomas, and recognition will be made when students' names are called at graduation.

Honor Graduates

A student must maintain an unweighted GPA of 3.25 or higher through the end of their senior year to be an honor graduate. Initial determination of Honor Graduate status, for the purpose of awards, will be made at the end of the 2nd grading period. Final calculations will be made at the end of the 4th grading period, in order to verify that Honor Graduate qualifications have been met for graduation. Other students earning honor graduate status by the end of their senior year may be notified prior to graduation but will not be recognized at Awards Night nor will their names appear on the commencement program due to advanced preparation for these events.

Marshals

The top 7% of the students in the junior class will serve as Marshals each year. Using the weighted GPA scale, computation for Marshals will be made at the end of the first semester of the junior year. The highest ranked weighted GPA in the junior class will be designated Chief Marshal with the second highest weighted GPA being designated the Assistant Chief Marshal. Ties are broken by using the unweighted Grade Point Average. In cases where students have identical Unweighted Grade Point Averages, more than 7% of the students in the junior class may serve as marshals.

National Honor Society

Students in the 10th, 11th, and 12th grades must have a weighted GPA of 3.5 or higher at the time of computation to be considered for induction. Other factors considered for induction are service to the school and community, character, and leadership. Students must have attended their high school for one full semester prior to being considered for induction. New members are considered for membership following the third grading period of each academic year. A student must maintain a weighted GPA of 3.5 or higher, participate in chapter and individual service projects, and maintain a clean discipline record in order to maintain membership in NHS.

National Technical Honor Society

Induction in the National Technical Honor Society is available to students who excel in Career and Technical Education courses. Other factors considered for induction are service to the school and community, character, attendance, and disciplinary records. New members are inducted each academic school year.

North Carolina Academic Scholars Endorsement

Students who complete the requirements for a well-balanced, challenging high school program will be named North Carolina Scholars and receive special recognition. Initial determination of North Carolina Academic Scholars Endorsement status will be made at the end of the 2nd grading period, and final calculations will be made at the end of the 4th grading period. Students must have a cumulative unweighted GPA of at least 3.5, in addition to the following course requirements:

English	English I, II, III, and IV	4 credits
Mathematics	NC Math 1, NC Math 2, NC Math 3, and a higher level math course with NC Math 3 as a prerequisite	4 credits
Science	Earth/Environmental Science, Biology, and either Chemistry or Physics	3 credits
Social Studies	World History, American History: The Founding Principles, Civics, and Economics, American History I, and American History II	4 credits
Second Language	Two units of a world language, other than English (for the UNC System)	2 credits
Healthful Living	Health and Physical Education	1 credit
Electives	Four elective credits constituting a concentration is recommended from one subject area, such as: Career and Technical Education (CTE), JROTC, Arts Education, World Languages, or in another content area	4 credits
High Level Courses	At least three higher-level courses taken during junior and/or senior years which carry quality points such as: Honors level courses, Advanced Placement, Dual Enrollment or college equivalent course, Advanced CTE and CTE credentialing courses, or Project Lead the Way courses	3 credits

Attendance

There is no substitute for the uninterrupted personal contact between teachers and students in the classroom environment, where learning experiences are carefully planned by the teachers. Even though students may make up class work missed because of absences, they may never be able to replace the educational, cultural, and social contacts they would have experienced through face-to-face instruction and class participation. Students with regular and consistent attendance generally achieve higher levels of learning than those with poor attendance.

The primary responsibility for good school attendance lies with parents and guardians of students. Parents and guardians of students between the ages of 7 and 16 are legally responsible to ensure their children attend school. All students are expected to be in attendance every day throughout the 180-day school term unless temporarily excused by school officials. In accordance with the rules

and regulations of the North Carolina State Board of Education, the following conditions shall constitute valid reasons for student absences:

- Illness or injury
- Quarantine
- Death in the immediate family
- Medical or dental appointments
- Court or administrative proceedings
- Religious observances
- Educational opportunity
- Absence due to deployment activities

If a student is expected to be confined to his home and/or hospital for an extended period of time due to injury, illness, or other disability, the child's parent/guardian should confer with a school counselor as soon as possible.

Attendance Requirements (Grades 9-12)

A grade 9-12 student is expected to attend school on every scheduled student day unless absent for lawful reasons. (Unlawful and unexcused absences are absences defined by the N. C. Compulsory Attendance law, and regulations adopted by the State Board of Education, as "a child's willful absence from school without the knowledge of the parent, or a child's absence from school without cause and knowledge of the parent." The term "unlawful absence" applies only to children between the ages of 7 and 16 who are subject to the Compulsory Attendance Law.) Any student who accumulates and exceeds 6 unlawful or unexcused absences for any course during a semester is in jeopardy of receiving a failing grade and receiving no credit for the course. Suspension or exclusion of students for misconduct may NOT be used for compulsory attendance violation actions.

NC Assessments & Final Exams

High school students must take all end-of-course (EOC) tests, NC Final Exams (NCFE's), and Career and Technical Education State Assessments required by the State Board of Education. The results of EOC tests, NC Final Exams, and CTE State Assessments will count as 20% of a student's final grade in each high school course for which there is an EOC test, NC Final Exam, or CTE State Assessment. In courses without a state assessment, the teacher-made final exam will also count as 20% of the student's final grade.

Transfer Credit

Students transferring into a Wayne County Public School System high school from another school, private or public, a home school, or an alternative school may receive credit toward graduation for courses successfully completed in the sending school.

Students transferring from a traditional WCPS school to another traditional WCPS school will receive:
- Credit for all courses approved by the sending school.
- Weighted credit for all courses designated as Honors or AP by the sending school.

Students transferring from another public school system or from a charter school into WCPS will receive:
- Credit for all courses approved by the sending school.
- Weighted credit for all courses designated by the sending school system as Honors or AP only if comparable courses are designated Honors or AP in the non-magnet WCPS High School Program Planning Guide that was in effect the year the courses were taken.

Students re-entering a WCPS school after being long-term suspended, suspended for 365 days, or expelled from the Wayne County Public School System may earn credits toward graduation and/or promotion to the next grade for courses successfully completed during the period of suspension while enrolled in a private school, an institution of higher education, or a home school program. The principal will review the student's record as provided by the sending school to determine if credit should be granted for the courses successfully completed.

To the extent possible, students who transfer among schools in Wayne County or who transfer into WCPS in the middle of an academic year will be enrolled in courses that are similar to those in which they had been enrolled at their previous school. In the event that, due to course offerings in the new school, a student is unable to enroll in a course that is similar to one in which he or she had been enrolled, the student will be given the opportunity to enroll in an alternate course that will not result in the denial of credit to the extent practical in the school setting; for example, if the student can "catch up" in the class or perform adequately without having completed the first part of the class. Determination of credit for transfer students will be based on a review of individual circumstances. The school system does not guarantee course credit if a student is unable to complete a course due to a transfer.

Credit by Demonstrated Mastery (CDM)

Credit by Demonstrated Mastery (CDM) is the process by which a student may be awarded credit in a particular course without completing classroom instruction for a certain amount of seat time. The CDM process will consist of a student scoring mastery on a specific exam and completing a required artifact that shows mastery of the course content. A student must begin the CDM process the semester before the next course in the sequence is to be delivered. If a student does not meet the requirements of CDM, they must register and take the course that was challenged. Students and families must speak with the school CDM team or its representative to begin the application process.

Driver's Eligibility

Students must have a Driving Eligibility Certificate in order to receive a North Carolina driver's permit or license. The Division of Motor Vehicles will not issue a driver's permit or license without a Driving Eligibility Certificate. A student must pass 3 out of 4 courses the previous semester to be eligible to receive a Driving Eligibility Certificate. A student must continue to pass 3 out of 4 courses each semester in order to retain the permit or license. Academic performance will be evaluated at the end of each semester. The revocation of a student's driving permit or license will occur if a student does not maintain adequate academic progress (pass 3 of 4 courses) or drops out of school. Senate Bill 57 calls for the loss of driving privileges for students under the age of 18 who are given a 10 day or longer suspension and/or an assignment to an alternative educational setting.

Lose Control, Lose Your License

Effective July 1, 2000, GS-20-0 provides for the revocation of a driver's license or learner's permit for one year or for the denial of a driving eligibility certificate of a student who has been expelled, suspended for more than 10 days, or assigned to an alternative education setting for more than 10 days for committing one of the following offenses after the student's fourteenth birthday or during or after eighth grade:

- Possession or sale of alcohol or a controlled substance on school property or at a school-sponsored or school-related activity.
- Bringing, possession, or use of a weapon or firearm on school property.
- Assault on a teacher or other school personnel on school property or at a school-sponsored or school related activity.

Athletic Eligibility

To be eligible to participate in athletics, the athlete must meet rules of eligibility set by The North Carolina High School Athletic Association, Inc. including, but not limited to the following:

- Be a properly enrolled student at the time of participation.
- Be enrolled no later than the 15th day of the present semester.
- Be in regular attendance.
- Have been in attendance for at least 85% of the previous semester at an approved school.
- Not exceeded eight consecutive semesters of attendance or have participated more than four seasons in any sport since first entering 9th grade.
- Must be under 19 years of age as of August 31, 2020.
- Live with parents or legal guardian. (Reference the NC High School Athletic Association handbook for further clarification.)
- Live in the school attendance district.
- Have received a medical examination by a duly licensed physician, nurse practitioner, or physician's assistant within the previous 365 days.
- Have passed three (3) out of four (4) courses the previous semester.
- Having been promoted from 8th grade to 9th grade for the 2020 Spring Semester determines eligibility for athletics the first semester of the 9th grade.

Other eligibility restrictions may apply. Please contact your school's principal or athletic director for clarification as special situations or circumstances arise.

NCAA Initial-Eligibility Clearinghouse

The purpose of the NCAA Initial-Eligibility Clearinghouse is to determine the athletic eligibility of present high school seniors who wish to enroll as college freshman for the next school year at NCAA Division I and II institutions. The Clearinghouse determines freshman athletics eligibility using three components: core courses (specific academic courses), core course GPA, and SAT or ACT score. You must register and be certified by the NCAA Initial-Eligibility Clearinghouse if you intend to participate in college athletics. YOU SHOULD REGISTER WITH THE CLEARINGHOUSE AT THE BEGINNING OF YOUR SENIOR YEAR. NCAA Clearinghouse registration materials are available at *www.ncaaclearinghouse.net*.

UNC System Minimum Admissions Requirements

The University's System-wide minimum admission requirements are guidelines that help future students and University administrators determine if applicants are ready to meet the challenge of a four-year degree program, or if they might benefit from more preparatory work at a community college before transferring into the UNC System. As a mechanism for predicting student success, the UNC System's minimum admission requirements take into consideration three key measurements of students' previous achievement: high school courses, high school grade point average (GPA), and test scores. The benchmarks outlined below represent a system-wide minimum for admission. However, meeting these requirements does not guarantee admission to any specific university or program. Admission to individual institutions and to some academic programs within institutions may be more competitive and may demand additional requirements beyond the minimums listed below. Please check with each campus for additional information related to their specific admission requirements. *(Refer to Appendix G for additional information on planning for college.)*

University of NC System Campuses

Appalachian State University	North Carolina State University	UNC Pembroke
East Carolina University	UNC Asheville	UNC Wilmington
Elizabeth City State University	North Carolina Central University	UNC School of the Arts
Fayetteville State University	UNC-Chapel Hill	Western Carolina University
North Carolina A&T State University	UNC Charlotte	Winston-Salem State University
North Carolina Central University	UNC Greensboro	NC School of Science & Mathematics

Minimum Course Requirements for First-Year, Incoming Freshmen:
Language (6 course units):
- 4 units in English emphasizing grammar, composition, and literature
- 2 units of a language other than English

Mathematics (4 course units) in any of the following combinations:
- NC Math I, NC Math II, NC Math III, and 1 unit beyond NC Math III
- Algebra I and II, Geometry, and 1 unit beyond Algebra II
- Algebra I and II, and 2 units beyond Algebra II

*The University strongly encourages future students to take at least one mathematics course unit in the 12th grade.

Science (3 course units):
- at least 1 unit in a life or biological science (for example, biology)
- at least 1 unit in physical science (for example, physical science, chemistry, physics)
- at least 1 laboratory course

Social Studies (2 course units):
- including one unit of American History

*Students who do not have the unit in U.S. history may be admitted on the condition that that they pass at least three semester hours in that subject by the end of the sophomore year.

GPA and Test Scores
Minimum entrance requirements are a minimum GPA of 2.5 and a combined Critical Reading and Math score of 880 on the SAT or a minimum composite score of 17 on the ACT.

Schedule Changes

Much time and planning is involved in student course selection and the creation of a master schedule that provides students with the best schedules possible to fit the course offerings at each school. Therefore, schedule changes will be limited following the completion of course registration. Courses may be added or dropped during the first three (3) days of each semester provided there is a valid reason and the course change is approved by parents, school counselor, and principal.

Alternative Programs of Study

Academically/Intellectually Gifted Services
Students identified at the secondary level are served in grades 9 and 10 through honors level courses and in grades 10, 11, and 12 through Advanced Placement courses. Emphasis is given to the four core curriculum areas: communication skills, social studies, math, and science. Identified students, along with other students, are offered these courses taught by certified teachers. Curriculum is expanded and augmented by student-oriented seminars, guest speakers, and field trips. The focus of the secondary program is on academic excellence, intellectual growth, and student achievement.

Advanced Placement Program
If you plan to continue your education at a four-year college or university and would like to earn college credits while still in high school, Advanced Placement courses are available in Science, Math, Social Studies, and English. Each course covers material the equivalent of a complete college course. The student who enrolls in an Advanced Placement course must take the AP Exam for that course as specified in the course description to receive AP credit.

To receive college credit: Students who earn a score of 3 or higher on the AP Exam will receive college credits at all UNC Institutions. Some private and out of state colleges or universities may require a score of 4 or 5 in order to receive credit. Students should obtain the college's AP policy. Up to nine semester hours of college credit may be granted depending upon the score earned and the requirements of the selected college or university. The cost of the exam is paid by the NC Department of Public Instruction provided the student is registered in the AP course at a public school. A student may take the Advanced Placement Exam without enrolling in the Advanced Placement course; however, this course of action is not recommended and the exam fee must be paid by the student.

Credit Recovery
Credit recovery provides an additional learning opportunity for students who have previously been unsuccessful in mastering content or skills required to receive course credit. As set forth in policy 3420, Student Promotion and Accountability, the term "credit recovery" refers to a block of instruction that is less than the entirety of the Standard Course of Study for that course. Credit recovery delivers a subset of the Standard Course of Study or blueprint of the original course in order to specifically address deficiencies in a student's mastery of the course and target specific components of a course necessary for completion.

- The "credit" offered through the Credit Recovery Program is credit toward graduation requirements only and may not be recognized by outside groups, including postsecondary institutions. Course credit acquired through the Credit Recovery Program may not satisfy NCAA course eligibility requirements for student athletes. However, the North Carolina High School Athletic Association (NCHSAA) has acknowledged that there will be no adverse impact on a student's high school athletic eligibility due to participation in credit recovery courses.
- Students should speak with their academic counselor about how participation in the Credit Recovery Program could impact their unique post-graduation plans, and whether retaking the entire course is a better option given their goals.
- Credit recovery courses will not impact the student's grade point average or replace a failing grade on the student's transcript. The original grade for the course will remain on the student's transcript.
- Students wishing to change their grade or raise their grade point average should repeat the full course for credit and not participate in the Credit Recovery Program.
- The length of credit recovery courses is dictated by the skills and knowledge the student needs to recover and not a fixed length of seat time.
- Students may enroll in only one credit recovery course at a time, but may enroll in credit recovery courses in sequence during a semester instructional block. The number of credit recovery courses taken by a student prior to graduation shall not be limited.

Please speak with the school counselor or refer to WCPS Policy AR-3420 for more information.

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

- The student must have earned a grade of C/79 or lower in the course on the first attempt
- The student must complete form AR 3420, with full signatures, in order to repeat the course
- The principal or designee must approve the request

- There must be space available after seats have been assigned to students who are taking the course for the first time or are repeating a previously failed course
- The course to be repeated must be a duplicate of the entire original course and must be taken during the regular school day at a high school in the WCPS school system or through the North Carolina Virtual Public School
- Upon completion of the repeated course, the new course grade will replace the student's original grade on the student's transcript and in calculations of the student's GPA, class rank, and honor roll eligibility, regardless of whether the later grade is higher or lower than the student's original mark
- Credit towards graduation for the same course will be given only once
- A specific course may be repeated only one time
- Students may repeat a maximum of four previously passed courses during their high school careers

Dual Enrollment/ Career and College Promise

Career & College Promise (CCP) is North Carolina's tuition-free dual enrollment program for high school students. This program allows eligible NC high school students to enroll in college classes at North Carolina community colleges and universities through their high school. Students who successfully complete college courses earn college credit they can take with them after graduation. In many cases, students can also earn dual credit - meeting high school graduation requirements with college courses. In order to be eligible, in addition to other criteria established by institutions of higher education, a student must be a high school junior or senior. High school freshmen and sophomores, who are otherwise eligible, may participate in the Career and Technical Education pathway for engineering technologies, industrial technologies, agriculture and natural resources technologies, or transportation systems technologies certificate and diploma. ***(Refer to Appendix E for College Transfer and Career and Technical Education Pathways.)***

College Transfer Program (Juniors/Seniors):
- Have an unweighted GPA of 2.8 on high school courses or demonstrate college readiness on an approved assessment or placement test
- Good discipline record

Career and Technical Education Program (Junior/Seniors):
- Have an unweighted GPA of 2.8 on high school courses or demonstrate college readiness on an approved assessment or placement test or have the recommendation of the high school principal or his/her designee
- Good discipline record

Career and Technical Education Program (Freshmen/Sophomores):
- Limited pathways: Engineering, Industrial, Agriculture and Natural Resources, Transportation System Technologies
- Have passed NC Math 1 with a grade of "C" or better
- Scored level 3 or better on the NC Math 1 EOC assessment
- Scored level 3 or better on the 8th grade ELA EOG assessment
- Good discipline record

All participants must provide their own transportation to the Wayne Community College campus. Failure in any course at your high school or Wayne Community College may jeopardize participation within the program. Participants must adhere to all regulations, including attendance at both institutions. Wayne County Public School students do not pay tuition (tuition-free); however, students are responsible for the purchase of textbooks/e-textbooks, as well as the Student Activity Fee.

Application Procedure

Students interested in participating in the CCP program should contact their school counselor for application procedures. Once a student is registered for the program, they must submit a copy of their Wayne Community College schedule to the high school counseling office at the beginning of each semester. Participants are not to drop WCC classes without permission from their high school counselor. Students who withdraw, drop, or fail to attend a college course will be placed in a course at their high school if necessary.

CCP Course Credit

Students will receive 1 added quality point (AP equivalent credit) on the high school transcript for college courses in the College Transfer Pathway. All other college courses will receive no added quality points (standard equivalent credit). Grades will be calculated in the high school GPA at the end of each semester. The 17 UNC System schools will accept all courses in the College Transfer Pathway. The Wayne County Public Schools policy regarding transfer grades will be followed to convert Wayne Community College letter grades to numerical grades.

The State Board of Education's Course for Credit policy states that college and university courses of one and two credit hours will NOT receive high school dual credit. Community college courses, with less than 3 semester hours credit, can be combined to award high school credit if the courses are within the same subject area and taken in the same academic year. Students must pass both of the combined courses to receive high school credit. The course grade will be an average of the grades earned in the combined courses. ***(Refer to Appendix F for a list of Career and College Promise courses carrying less than 3 semester hours credit.)***

Early/Mid-Year Graduation

Early graduation (6 semesters or less)
For graduation prior to one's class, a student must:
- Show satisfactory mastery of high school academic skills and concepts
- Show a need for early graduation
- Meet the graduation course and testing requirements that were effective the year they entered ninth grade for the first time

Procedures for Early Graduation: The parent(s)/court appointed guardian(s) of a student may request early graduation for the student by filing a written request with the school principal at least thirty days prior to the beginning of the student's last semester of enrollment. Requests are handled on a case-by-case basis.

Mid-year graduation (7 semesters)
Seniors who wish to graduate at the mid-year of their senior year through acceleration will need to consult with their school counselor regarding graduation credits and all local requirements prior to the beginning of the seventh semester.

Exceptional Children's Services

Occupational Course of Study
The Occupational Course of Study (OCS) is one of two courses of study a student with disabilities may complete to graduate with a High School diploma in North Carolina. The Occupational Course of Study will be an appropriate alternative for selected students with disabilities for whom the Future Ready Core (FRC) is inappropriate. Students will learn functional academic skills that will prepare them to live independently, maintain employment, and be active participants in the community. The decision to place a student on an OCS graduation plan is discussed by the IEP Team with the parents input regarding their vision for their child's graduation.

Life Skills Program
The high schools in Wayne County offer an environment to students in the Life Skills Program which allows them to participate in a functional curriculum with the following characteristics: community-referenced, integrated, longitudinal, and community-based. Schools use a number of curricula to meet the needs of our students, including life centered career education, transition education, functional curriculum, and the basic computer curriculum.

High School Career Academies

An academy features the "school within a school" concept where students take a sequence of courses together. Academies will be articulated with North Carolina community colleges. They will be designed to integrate academic and technical curricula around a central theme actively involving related local employers. Academies to be considered include, but are not limited to, Health Science Academy, Business and Finance Academy, Engineering Academy, Biotechnology Academy, Diesel Academy, Public Safety Academy, Adobe Academy, and Construction Academy. Not all academies are available at all high schools.

NC Virtual Public School (ncvps.org)

The purpose of the North Carolina Virtual Public School (NCVPS) is to provide courses that students are unable to take at their local schools or courses that augment a student's program of study. Classes are taken online and are offered to students who are able to work independently, are extremely self-disciplined, and self-motivated. Heavy reading is involved. Students must have a basic knowledge of how to use a computer and word processing. Standard, Honors, and Advanced Placement level classes are available in subjects including the Arts, Interdisciplinary Studies, Language Arts, Life Skills, Math, Science, Social Studies, and Technical Studies. All courses are taught by certified teachers in North Carolina. Once the on-line course is completed the student receives credit on his or her school transcript. A list of available NCVPS courses for 2020-21 will be posted at www.ncvps.org. Students interested in taking one or more NCVPS courses should meet with their counselor to determine eligibility.

Non-Traditional High Schools

Wayne Early/Middle College High School
(WEMCHS) is a Wayne County Public School located on the campus of Wayne Community College and is a member of the network of NC Cooperative Innovative High Schools. WEMCHS is an innovative high school that is academically rigorous, focused and flexible. As a Cooperative Innovative High School, there is a partnership between the high school and Wayne Community College (WCC). All students enrolled in WEMCHS are also enrolled and complete coursework through WCC. WEMCHS focuses on student support, teaching and learning through collaboration and building effective relationships. WEMCHS was formed for the purpose of creating a small, personalized and academically rigorous high school experience. Students at WEMCHS complete North Carolina graduation requirements and have the opportunity to graduate from high school with an Associate Degree from WCC over a four to five year period.

Presently Wayne Early Middle College High School:

- Serves a student population that is representative of the student population in Wayne County with an emphasis on first-generation college students.
- Offers all students an academically rigorous, university-prep curriculum that will ensure that every student graduates ready for college, work and citizenship.
- Offers all students the opportunity to work closely with their teachers and counselor during their high school experience.
- Encourages and supports students to complete as much college coursework as possible during their high school career, at no cost to the student.
- Ensures that all students are well-versed in 21st Century workplace skills including the ability to work in teams, to communicate both orally and through writing, and to analyze and solve problems.

Rising ninth graders are selected through an application and lottery process in the spring of each year. Contact WEMCHS at 919-739-7070 for more information.

Wayne Middle/High Academy

Wayne Middle/High Academy opened on July 1, 2009, as a result of the merger of Belfast and Southern Academy. The primary goal of Wayne Middle/High Academy is to provide an alternative education for students in grades 6-12, who have been referred from a traditional school setting. Students at Wayne Middle/High Academy enjoy smaller class sizes, individualized attention, and opportunities for distance learning. In addition to academics, Wayne Middle/High Academy focuses on increasing student attendance and character education. The staff at Wayne Middle/High Academy are committed to student achievement, as well as parent and community involvement.

Wayne School of Engineering at Goldsboro High School

Wayne School of Engineering is located on the campus of Goldsboro High School and serves grades 6-13. Wayne School of Engineering is an autonomous school within a school, and students from throughout Wayne County have the opportunity to receive a personalized education with a focus on Science, Technology, Engineering, and Mathematics (STEM). With an instructional focus on project-based and inquiry learning, students actively engage in the curriculum. Students who possess high academic and appropriate behavioral standards also have the opportunity to obtain college credit with the possibility of completing a two year associate's degree.

Wayne School of Engineering's purpose is:
- To create college ready students.
- To successfully transition students to high school and post-secondary education.
- To offer an engaging, relevant curriculum.
- To offer students work-based opportunities through internships and/or job shadowing.
- To offer a personalized educational experience.
- To ensure students are ready for the 21st Century.

The instructional strategies employed by teachers allow students to receive more interactive, hands-on focus in all curricular areas. Students take a prescribed curriculum which allows for academic and social development that will ultimately help lead to successful college level work. As the students' progress academically, more educational options become available. Middle school athletics are available and high school students have the opportunity to participate in athletics through Goldsboro High School. The application process is for current 5th grade students only. Visit http://www.waynecountyschools.org/WayneSchoolofEngineering.aspx to print application. For more information, contact Dr. Gary Hales, Principal, at (919) 734-0070 or e-mail garyhales@wcps.org.

Basic Skills/ GED Program
The following policies are in effect for the Basic Skills (Adult High School and GED) program at Wayne Community College:
- Each 16 and 17 year old student, along with a parent or guardian must meet with the Basic Skills Admissions Coordinator before entering the Basic Skills program.
- There is not a waiting period before entering the Basic Skills program; although, a student suspended for one of the listed offenses must wait one year from the time of suspension before applying for admission into the Basic Skills program. At the time of application, the student must appear before the Wayne Community College High School Admissions Committee – Drugs, Weapons, Fighting or other.
- A student release form and a student discipline form must be completed by your school in order for a student to be admitted to the Basic Skills program.
- When a student transfers from an alternative school, a discipline form should be completed by the alternative school as well as by the previous school.
- Applicants must speak with the Basic Skills Admissions Coordinator regarding admission policies.
- To enter the Adult High School (AHS) program, a student must transfer a minimum of 10 courses, of which five are core courses.
- All AHS and GED candidates must score at a 9th grade level on placement test.

COURSE DESCRIPTIONS

Not all courses are available at every high school.
Refer to your high school's course selection sheet to determine course availability.

ARTS EDUCATION

THEATRE

Theatre Arts I	Theatre Arts II	Theatre Arts III - H	Theatre Arts IV - H

Theatre Arts I – Beginning   Course Code: 53152X0   Level: S   Credit: 1

This course combines beginning acting exercises, character analysis, scene work, juggling, and simple acting projects along with exploration of the various areas of technical theatre and production. Attendance at after-school rehearsals and performances is expected.

Theatre Arts II - Intermediate   Course Code: 53162X0   Level: S   Credit: 1

Prerequisite: Theatre, audition, _or_ permission of instructor

This course combines advanced acting exercises, character analysis, juggling, scene work production projects that immerse students in the total theatre experience. This course furthers the exploration of theatre literature and theatre history. Attendance at after-school rehearsals and all performances is expected.

Theatre Arts III - Proficient (Honors)   Course Code: 53175X0   Level: H   Credit: 1

Prerequisite: Audition/Theatre II

This course provides advanced participation in Theatre. The student is expected to participate in performances and demonstrate serious classroom attitudes. Attendance at after-school rehearsals and all performances is expected. There is a fee for the purchasing of scripts and costumes for this class.

Theatre Arts IV - Advanced (Honors)   Course Code: 53185X0   Level: H   Credit: 1

Prerequisite: Audition/Theatre III

This course provides advanced participation in theater. The student is expected to participate in performances and demonstrate serious classroom attitudes. Students will be required to perform memorized monologues and scenes. Attendance at after-school rehearsals and all performances is expected. There is a fee for the purchasing of scripts and costumes for this class.

VISUAL ARTS

Visual Art I	Visual Art III - H	Advanced Placement Studio Art: Drawing
Visual Art II	Visual Art IV - H	

Visual Art I - Beginning   Course Code: 54152X0   Level: S   Credit: 1

Visual Art I - Beginning is an introductory level course designed to reinforce and build on knowledge and skills developed at the elementary and middle school levels and aligned to the Essential Standards Curriculum. The course is primarily devoted to deliberate and systematic presentations of various art processes, procedures, theories and historical developments. Students will have experiences in producing two-dimensional and three-dimensional artworks. The course emphasizes the study of the elements of art and principles of design, color theory, vocabulary, art criticism, art history, and safety in the art room. The approach to art experiences during this time is experimental in terms of materials. Students are provided a strong foundation in design, drawing and vocabulary in a teacher-structured environment. Problem solving and decision-making are emphasized throughout Visual Art I - Beginning.

Visual Art II - Intermediate   Course Code: 54162X0   Level: S   Credit: 1

Prerequisite: Visual Art I (Beginning)

Visual Art II – Intermediate builds on the student's technical skills and foundation of knowledge developed in Visual Art I - Beginning, and is aligned to the Essential Standards Visual Arts Curriculum at the Intermediate Level. The study of elements of art and principles of design, color theory, vocabulary, and art history continues in Visual Art II - Intermediate in a less teacher-directed situation. Various art processes, procedures, and theories are presented in a problem-solving manner that allows for independent choices and personal solutions to problems. The approach to art experiences is less experimental and based more on informed choices. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. A greater flexible and fluent use of the elements of art and principles of design, color theory, and vocabulary is stressed in Visual Art II - Intermediate.

Visual Art III - Proficient (Honors)   Course Code: 54175X0   Level: H   Credit: 1

Prerequisite: Visual Art II (Intermediate) *and* **teacher recommendation**
Visual Art III - Proficient builds on skills from Visual Art II - Intermediate with a more in-depth approach to the study of art processes and techniques, aesthetic issues, art criticism, and art history. Teachers help students form goals, become familiar with careers, and develop work habits of professionals. Knowledge of the arts in relation to culture, history, other disciplines, and careers will be promoted through visual, verbal, and written means. Art history, criticism, and aesthetics will be studied in conjunction with selected artworks and will lead to development of a personal philosophy of art. In Visual Art III - Proficient, students will assemble a portfolio based on technical quality, personal style, direction, and its intended purpose.

Visual Art IV - Advanced (Honors)   Course Code: 54185X0   Level: H   Credit: 1

Prerequisite: Visual Art III (Proficient), teacher recommendation, _or_ placement portfolio
In Visual Art IV - Advanced, students develop, clarify, and apply their philosophy of art and art making media, techniques, processes, and aesthetics. Exceptional initiative, serious involvement, and commitment are expectations of the Visual Art IV - Advanced students. A portfolio evidencing high quality, a broad base of knowledge and in depth understanding of personal art forms is developed and refined. The student will also contract to independent study in a given medium or art history/appreciation area.

Advanced Placement Studio Art: Drawing   Course Code: 5A047X0   Level: AP   Credit: 1

Prerequisite: Visual Art IV (Advanced), teacher recommendation, and 90+ average
The AP Studio Art course is recommended for students who are dedicated, self-motivated, and seriously interested in a practical experience of art and desiring to develop mastery in the concept, composition, and execution of their ideas. In order for the student to be successful it is highly recommended that there be prior art training (Art I - Beginning, Art II - Intermediate, Art III - Proficient, and Art IV - Advanced) since the rigorous requirements in this learning experience are equivalent to a college level art foundation studio course. The major focus of the class is building a portfolio; students experience a variety of concepts and approaches in AP art thus demonstrating a range of abilities and versatility with techniques, problem solving, and ideation through the use of various media. Depending on portfolio evaluation and college acceptance requirements, students may be granted appropriate college credit and/or placement. *The AP Exam fee for this course is approximately $92. Please see your school counselor. Often, this fee can be waived.*

VOCAL MUSIC

Vocal Music I	Vocal Music IV - H	Concert Chorus III - H
Vocal Music II	Concert Chorus I	Concert Chorus IV - H
Vocal Music III - H	Concert Chorus II	Vocal Ensemble/Show Choir - H

Vocal Music I - Beginning   Course Code: 52302X0   Level: S   Credit: 1

Vocal Music I - Beginning is an entry-level course which continues to build on the comprehensive music education students have received in grades K-8. Vocal Music I - Beginning will provide students with the opportunities to: develop and demonstrate appropriate vocal practices and refine the use of the voice as an instrument; sing vocal literature which may include changes in tempi, keys, and meters, written in modest ranges; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of vocal literature in relationship to history, culture, and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Vocal Music I - Beginning prepares students for further vocal studies in music.

Vocal Music II - Intermediate   Course Code: 52312X0   Level: S   Credit: 1

Prerequisite: Vocal Music I (Beginning) _or_ Chorus I (Beginning)
Vocal Music II - Intermediate continues to build on the comprehensive music education students have received in Vocal Music I - Beginning. Vocal Music II - Intermediate will provide students with opportunities: develop and demonstrate appropriate vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing vocal literature which includes moderate technical demands, expanded ranges, and varied interpretive requirements; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of vocal literature in relationship to history, culture, and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Vocal Music II - Intermediate prepares students for further vocal studies in music.

Vocal Music III - Proficient (Honors)   Course Code: 52325X0   Level: H   Credit: 1

Prerequisites: Vocal Music I (Beginning) _and_ II (Intermediate) _and/or_ placement audition
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Honors Vocal Music III - Proficient will provide students with opportunities to: develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing moderately difficult vocal literature which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; develop an understanding of vocal literature in relationship to history, culture,

and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Vocal Music III - Proficient prepares students for further vocal studies in music.

Vocal Music IV - Advanced (Honors)   **Course Code: 52335X0**   **Level: H**   **Credit: 1**
Prerequisite: Vocal Music I (Beginning), II (Intermediate) *and* **III (Proficient)** *and/or* **placement audition**
Honors Vocal Music IV - Advanced is an advanced continuation of Honors Vocal Music III - Proficient. Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Honors Vocal Music IV - Advanced will provide students with opportunities to: develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing difficult vocal literature which requires advanced technical and interpretive skills, ability to perform in various meters, keys, unusual meters, complex rhythms, and subtle dynamic requirements; sing vocal literature representing diverse genres, styles and cultures; utilizing instruments as appropriate; develop skills in improvising, composing, and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills with traditional and non-traditional music; develop an understanding of vocal literature in relationship to history, culture, and other content areas. Students will be expected to purchase formal signing attire and to participate in performances. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Vocal Music IV - Advanced prepares students for further vocal studies in music.

Concert Chorus I - Beginning   **Course Code: 52302X0C**   **Level: S**   **Credit: 2**
Prerequisite: Vocal Music I (Beginning) *and* **audition**
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Concert Chorus will provide students with opportunities to: develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing moderately difficult vocal literature which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; develop an understanding of vocal literature in relationship to history, culture, and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. The Concert Chorus will present performances throughout the year. Concert Chorus is scheduled for both semesters and earns two units of Standard credit.

Concert Chorus II - Intermediate   **Course Code: 52312X0C**   **Level: S**   **Credit: 2**
Prerequisite: Vocal Music I (Beginning), Concert Chorus I (Beginning), *and* **audition**
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Concert Chorus will provide students with opportunities to: develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing moderately difficult vocal literature which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; develop an understanding of vocal literature in relationship to history, culture, and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. The Concert Chorus will present performances throughout the year. Concert Chorus is scheduled for both semesters and earns two units of Standard credit.

Concert Chorus III - Proficient (Honors)   **Course Code: 52325X0C**   **Level: H**   **Credit: 2**
Prerequisite: Vocal Music I (Beginning), Concert Chorus I & II (Beginning & Intermediate), *and* **audition**
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Concert Chorus will provide students with opportunities to: develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing moderately difficult vocal literature which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; develop an understanding of vocal literature in relationship to history, culture, and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. The Concert Chorus will present performances throughout the year. Concert Chorus III provides students a continuation of the skills, development, and performance experience. Concert Chorus is scheduled for both semesters and earns two units of Honors credit.

Concert Chorus IV - Advanced (Honors)   **Course Code: 52335X0C**   **Level: H**   **Credit: 2**
Prerequisite: Vocal Music I (Beginning), Concert Chorus I, II, & III (Beginning, Intermediate & Proficient), *and* **audition**
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Concert Chorus will provide students with opportunities to: develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument; sing with increased technical accuracy and expression; refine sight-reading and ear training skills; sing moderately difficult vocal literature which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; sing vocal literature representing diverse genres, styles, and cultures; utilize instruments as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply

reading and notating skills; develop an understanding of vocal literature in relationship to history, culture, and other content areas. It is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. The Concert Chorus will present performances throughout the year. Concert Chorus IV provides students a continuation of the skills, development, and performance experience. Concert Chorus is scheduled for both semesters and earns two units of Standard credit.

Vocal Ensemble/Show Choir - Advanced (Honors)　　　**Course Code: 52335X0S**　　**Level: H**　　**Credit: 2**
Prerequisite: Vocal Music I (Beginning) *and* 1 semester or more of Concert Chorus *and* audition
This course is designed for select students who will cover an extensive amount of repertoire. The show choir will also perform with the Concert Choir. This class is scheduled both semesters and earns two units of credit. Students could be enrolled in both Concert Chorus and Show Choir if their schedule permits. Students will enroll in this course if they have no previous Vocal Music Honors credit.

BAND

Music Theory	Band IV - H	Concert Band IV - H	Marching Band IV - H
Band I	Concert Band I	Marching Band I	Jazz Ensemble - H
Band II	Concert Band II	Marching Band II	Percussion Techniques
Band III - H	Concert Band III - H	Marching Band III - H	Flag Guard

Music Theory　　　　　　　　　　　　　**Course Code: 52962X01**　　**Level: S**　　**Credit: 1**
This course focuses on the fundamentals and elements of music construction. Various types of scales, melodic intervals, ear training, chord structures and relationships; harmonization, part writing and music form are studied.

Band I - Beginning　　　　　　　　　　　**Course Code: 52552X0**　　**Level: S**　　**Credit: 1**
Band I - Beginning is an entry-level course which continues to build on the comprehensive music education students have received in grades K - 8. Band I - Beginning will provide students with opportunities to: develop and demonstrate appropriate instrumental practices; play instrumental literature which may include changes in tempi, keys, and meters, written in modest ranges; play instrumental literature representing diverse genres, styles, and cultures; use singing as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, it is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Band I - Beginning prepares the student for further instrumental studies in music.

Band II - Intermediate　　　　　　　　　　**Course Code: 52562X0**　　**Level: S**　　**Credit: 1**
Prerequisite: Band I (Beginning)
Band II - Intermediate continues to build on the comprehensive music education students have received in Band I - Beginning. Band II - Intermediate provides students with opportunities to: develop and demonstrate appropriate instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play instrumental literature which includes moderate technical demands, expanded ranges, and varied interpretive requirements; singing as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, it is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Band II - Intermediate prepares students for further instrumental studies in music.

Band III - Proficient (Honors)　　　　　　　**Course Code: 52575X0**　　**Level: H**　　**Credit: 1**
Prerequisites: Band I *and* II (Beginning *and* Intermediate) *or* equal experience
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Symphonic Band III - Proficient will provide students with opportunities to: develop and demonstrate advanced instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play instrumental literature at Levels IV - V which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; play instrumental literature representing diverse genres, styles, and cultures; use singing in instrumental study as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply advanced reading and notating skills; and demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio containing a combination of written, audio, or visual examples of their work. Participation in Band III - Proficient prepares students for further instrumental studies in music.

Band IV - Advanced (Honors)　　　　　　　**Course Code: 52585X0**　　**Level: H**　　**Credit: 1**
Prerequisites: Band I, II, *and* III (Beginning, Intermediate, *and* Proficient) *or* placement audition.
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Honors Band IV - Advanced will provide students with opportunities to: develop and demonstrate advanced instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play difficult instrumental literature at Level V - VI, which requires

advanced technical and interpretive skills, the ability to perform in various and unusual meters and keys, complex rhythms, and subtle dynamic requirements; play instrumental literature representing diverse genres, styles, and cultures; use singing in instrumental study, as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply advanced reading and notating skills with traditional and non-traditional music; and demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work. Participation in Honors Band IV - Advanced prepares students for further instrumental studies in music.

Concert Band I - Beginning   Course Code: 52552X0C   Level: S   Credit: 2
Concert Band I - Beginning is an entry-level course which continues to build on the comprehensive music education students have received in grades K - 8. Concert Band will provide students with opportunities to: develop and demonstrate appropriate instrumental practices; play instrumental literature which may include changes in temp, keys, and meters, written in modest ranges; play instrumental literature representing diverse genres, styles, and cultures; use singing as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, it is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Concert Band I - Beginning prepares students for further instrumental studies in music.

Concert Band II - Intermediate   Course Code: 52562X0C   Level: S   Credit: 2
Prerequisite: Concert Band I (Beginning)
Concert Band II - Intermediate continues to build on the comprehensive music education students have received in Band I - Beginning. Concert Band II - Intermediate will provide students with opportunities to: develop and demonstrate appropriate instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play instrumental literature which includes moderate technical demands, expanded ranges; and varied interpretive requirements; singing as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, it is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Concert Band II - Intermediate prepares students for further instrumental studies in music.

Concert Band III - Proficient (Honors)   Course Code: 52575X0C   Level: H   Credit: 2
Prerequisites: Concert Band I *and* II (Beginning *and* Intermediate)
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciating, history, analyzing, composing, the use of current technology, and research culminating in written reports. Concert Band III - Proficient will provide students with opportunities to: develop and demonstrate advanced instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play instrumental literature at Levels IV-V, which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; play instrumental literature representing diverse genres, styles, and cultures; use singing in instrumental study, as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply advanced reading and notating skills; and demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work. Participation in Concert Band III - Proficient prepares students for further instrumental studies in music.

Concert Band IV - Advanced (Honors)   Course Code: 52585X0C   Level: H   Credit: 2
Prerequisites: Band I, II *and* III (Beginning, Intermediate, *and* Proficient) *or* placement audition
Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history analyzing, composing, the use of current technology, and research culminating in written reports. Concert Band IV - Advanced will provide students with opportunities to: develop and demonstrate advanced instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play difficult instrumental literature at Level V - VI, which requires advanced technical and interpretive skills, the ability to perform in various and unusual meters and keys, complex rhythms, and subtle dynamic requirements; play instrumental literature representing diverse genres, styles, and cultures; use singing in instrumental study, as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply advanced reading and notating skills with traditional and non-traditional music; and demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work. Participation in Concert Band IV - Advanced prepares students for further instrumental studies in music.

Marching Band I - Beginning   Course Code: 52552X0M   Level: S   Credit: 2
Marching Band I - Beginning is an entry-level course which continues to build on the comprehensive music education students have received in grades K - 8. Marching Band I - Beginning will provide students with opportunities to: develop and demonstrate appropriate instrumental practices; play instrumental literature which may include changes in temp, keys, and meters, written in modest ranges; play instrumental literature representing diverse genres, styles, and cultures; use singing as appropriate, develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, it is suggested that students create and maintain a portfolio which may contain a combination of written, audio, or visual examples of their work. Participation in Marching Band I - Beginning prepares students for further instrumental studies in music.

Marching Band II - Intermediate   Course Code: 52562X0M   Level: S   Credit: 2

Prerequisite: Marching Band I (Beginning)

Marching Band II - Intermediate continues to build on the comprehensive music education students have received in Marching Band I - Beginning. Marching Band II - Intermediate students will provide students with opportunities to: develop and demonstrate appropriate instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play instrumental literature which includes moderate technical demands, expanded ranges and varied interpretive requirements; singing as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply reading and notating skills; and develop an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, it is suggested that students create and/or maintain a portfolio containing a combination of written, audio, or visual examples of their work. Participation in Marching Band II - Intermediate prepares students for further instrumental studies in music.

Marching Band III - Proficient (Honors)   Course Code: 52575X0M   Level: H   Credit: 2

Prerequisites: Marching Band I *and* II (Beginning *and* Intermediate)

Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Marching Band III - Proficient will provide students with opportunities to: develop and demonstrate advanced instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills; play instrumental literature at Levels IV - V, which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys; play instrumental literature representing diverse genres, styles, and cultures; use singing in instrumental study, as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply advanced reading and notating skills; and demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work. Participation in Marching Band III - Proficient prepares students for further instrumental studies in music.

Marching Band IV - Advanced (Honors)   Course Code: 52585X0M   Level: H   Credit: 2

Prerequisites: Marching Band I, II *and* III (Beginning, Intermediate, *and* Proficient) *or* placement audition

Students will be given the opportunity to learn advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Marching Band IV - Advanced will provide students with opportunities to: develop and demonstrate advanced instrumental practices; play with increased technical accuracy and expression; refine sight-reading and ear training skills, play difficult instrumental literature at Level V - VI, which requires advanced technical and interpretive skills, the ability to perform in various and unusual meters and keys, complex rhythms, and subtle dynamic requirements; play instrumental literature representing diverse genres, styles, and cultures; use singing in instrumental study, as appropriate; develop skills in improvising, composing and arranging music; develop skills in listening to, analyzing, and evaluating musical experiences; apply advanced reading and notating skills with traditional and non-traditional music; and demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work. Participation in Marching Band IV - Advanced prepares students for further instrumental studies in music.

Jazz Ensemble (Honors)   Course Code: 52585X0J   Level: H   Credit: 1

Prerequisite: Three semesters of high school band class to include one semester of marching experience or by audition with the high school band director.

This course is for the advanced instrumental students with the appropriate level of skills in rhythmic reading, sight-reading, and playing in the styles common to the jazz genre. Various styles common to Jazz will be explored along with opportunity to learn improvisational skills. Other topics may include history of Jazz and Jazz performers past and present. After-school rehearsals and performances are sometimes scheduled and are required for participation in the class.

Percussion Techniques   Course Code: 52962X0   Level: S   Credit: 1

Prerequisite: Audition is required

All students (9-12) who would like to play drums or a percussion related instrument will be allowed to take this class. From this class, a drum line corp will be selected for the Marching Band show. This group will consist of multiple bass drums, quint toms (drum with 5 toms assembled together), snare drums and cymbals. This group will work as a unit everywhere on the field. Student will be able to practice together each day to learn each other's rhythmic nuances to become a working machine (many members doing different things but as a unit). The others who do not make the "Drum Line Corp" will be allowed to form a "Pit" corp. This group will play other percussion and auxiliary instruments such as: tympani, steel drums, gong, suspended cymbals, marimba, xylophone, bells, chimes, maracas, claves etc. down front on the sidelines. This group accompanies the entire band as they march and maneuver during the show. This group adds an overall general effect to the total show.

Flag Guard   Course Code: 96102X0F   Level: S   Credit: 1

Prerequisite: Performance audition

This class is designed to teach students the art of performing with the marching band. Its curriculum will cover basic techniques of marching, spinning flags, rifles and sabers. Students in this class are required to perform with the marching band for Friday night football games, parades and Saturday band competitions. All students in this class will have to pass an audition prior to enrolling in the class or must have special permission from the band director.

CAREER & TECHNICAL EDUCATION

Wayne County Public Schools offers a comprehensive Career and Technical Education program for students in middle and high schools. Courses are offered in Agricultural Education; Business, Finance, and Marketing Education; Career Development Education; Computer Science and Information Technology Education; Family and Consumer Sciences Education; Health Science Education; Technology, Engineering, and Industrial Education. The mission of Career and Technical Education programs in Wayne County Public Schools is to empower students for effective participation in a global economy as world-class workers and citizens.

All programs or courses may not be offered at every high school. Many of the CTE courses are offered as both Standard and Honors. Please see the Career Development Coordinator or Counselor at your school to determine which CTE courses are offered at your school, as well as what courses are offered as Honors. The **Wayne County Public Schools Career Clusters (refer to Appendix H)** has a complete list of all CTE courses within each career cluster. **Concentrator courses are indicated by a ♦ symbol.**

Articulated credit can be awarded to many of the CTE courses. Articulated credit is college credit earned while a student is in high school. The credit is awarded for a CTE high school course that is associated with a comparable college-level course, for which there is a signed articulation agreement between the CTE program and the community college. The list of CTE courses and criteria can be found on the **CTE Courses Earning Articulated Credit in NC Community College System (refer to Appendix I)**.

Work-Based Learning: Career and Technical Education encourages work-based learning experiences to enhance CTE programs offered at each school. These experiences include: Business and Industry Field Trips; STEAM and Career Fairs; Manufacturing Day; Job Shadowing; Cooperative Education; Entrepreneurial Experiences; Internships; Apprenticeships; and Service Learning. For more information about these opportunities, contact the Career Development Coordinator at your school.

AGRICULTURAL EDUCATION

Agriscience Applications	**Animal Science II - Small Animals**	**Horticulture II - Landscaping**
Agricultural Mechanics I	**Equine Science I**	**Sustainable Agriculture Production I**
Agricultural Mechanics II	**Equine Science II**	**Sustainable Agriculture Production II**
Ag. Mechanics II - Small Engines	**Horticulture I**	**CTE Advanced Studies**
Animal Science I	**Horticulture II**	**CTE Career and College Promise**
Animal Science II	**Horticulture II - Turfgrass Management**	

Agriscience Applications	**Course Code: AU102X0**	**Level: S**	**Credit: 1**

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

Agricultural Mechanics I	**Course Code: AS312X0**	**Level: S**	**Credit: 1**

This course develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems and repair needs they will encounter in their chosen agricultural career. Topics include agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, fencing, paints and preservatives, basic metal working, basic agricultural construction skills related to plumbing, carpentry, basic welding, and leadership development. English/language arts, mathematics, and science are reinforced. *Course enrollment limited to 20 to ensure safety in laboratory settings.*

Agricultural Mechanics II ♦	**Course Code: AS322X0**	**Level: S**	**Credit: 1**

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, plumbing, concrete and masonry, agricultural power and advanced career exploration/decision making. English/language arts, mathematics, and science are reinforced. *Course enrollment limited to 20 to ensure safety in laboratory settings.*

Agricultural Mechanics II - Small Engines ♦	**Course Code: AS332X0**	**Level: S**	**Credit: 1**

Prerequisite: Agricultural Mechanics I
This course is provided for the upper-level agricultural mechanics student who wishes to apply the basic knowledge of small engines acquired through on-line Briggs and Stratton training modules delivered by the agricultural education teacher in a shop setting. The course is intended to provide students with experiential learning opportunities as they perform "hands on" skills specified in the curriculum under the direct supervision of the agricultural teacher. This "learning to do" philosophy will enable students to understand curriculum content so that they may pass the Briggs and Stratton Competency Exam and receive certification from Briggs and Stratton. English/language arts, mathematics, and science are reinforced. *Course enrollment limited to 20 to ensure safety in laboratory settings.*

Animal Science I   Course Code: AA212X0   Level: S   Credit: 1

This course focuses on 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. English/language arts, mathematics, and science are reinforced.

Animal Science II ♦   Course Code: AA222X0   Level: S   Credit: 1

Prerequisite: Animal Science I
This course includes more advanced scientific principles and communication skills and includes animal waste management, animal science economics, decision making, and global concerns in the industry, genetics, and breeding. English/language arts, mathematics, and science are reinforced.

Animal Science II - Small Animals ♦   Course Code: AA235X0   Level: H   Credit: 1

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. English/language arts, mathematics, and science are reinforced.

Equine Science I   Course Code: AA312X0   Level: S   Credit: 1

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. English/language arts, mathematics, and science are reinforced.

Equine Science II ♦   Course Code: AA322X0   Level: S   Credit: 1

Prerequisite: Equine Science I
The course focuses on more advanced applications of feeding, breeding, and management practices involved in the horse industry. English/language arts, mathematics, and science are reinforced.

Horticulture I   Course Code: AP412X0   Level: S   Credit: 1

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

Horticulture II ♦   Course Code: AP422X0   Level: S   Credit: 1

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 turf grass management, and personal development. English/language arts, mathematics, and science are reinforced.

Horticulture II - Turfgrass Management ♦   Course Code: AP432X0   Level: S   Credit: 1

Prerequisite: Horticulture I
This course 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. English/language arts, mathematics, and science are reinforced.

Horticulture II - Landscaping ♦   Course Code: AP442X0   Level: S   Credit: 1

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

Sustainable Agriculture Production I   Course Code: AU212X0   Level: S   Credit: 1

This course focuses on the increasingly complex world of producing enough food and fiber to meet the growing world demand and at the same time maintain ecological balance and conserve our natural resources. Students will explore implementing environmentally sound practices in agricultural production to satisfy the needs of a growing population for today and tomorrow. A breadth of topics including: crop and animal production, natural resource management, agroforestry, food safety, and the farm to fork continuum will set the educational stage for this course. English/language arts, mathematics, and science are reinforced.

Sustainable Agriculture Production II ♦   Course Code: AU222X0   Level: S   Credit: 1

Prerequisite: Sustainable Agriculture Production I
This course expands on the complexity of producing food and fiber to meet the world demand and at the same time maintain an economical balance and conserve our natural resources. Students will explore the U.S. food system and how agriculture impacts the quality of life at all levels as well as the energy resources necessary to meet these needs. Twenty first century topics such as precision agriculture, biotechnology, bioinformatics, plant and animal breeding, apiculture, aquaponics, hydroponics, vermicomposting, and

food safety will be explored as to their role in a sustainable society. Students will discuss marketing strategies for agricultural products and develop a business plan for a sustainable grower. English/language arts, mathematics, and science are reinforced.

CTE Advanced Studies	Course Code: CS952X0	Level: S	Credit: 1

Prerequisite: Two technical credits in one Career Cluster
This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

CTE Career and College Promise	Course Code: Various	Level: S	Credit: 1

College and Career Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

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AGRICULTURAL CREDENTIALS THAT CAN BE EARNED

CTE Course	Credential
Agriscience Applications	NC Hunter Safety Education
Animal Science I and II	NC Beef Quality Assurance
Agricultural Mechanics II	OSHA 10-Hour General Industry (Agriculture) Certification
Ag. Mechanics II – Small Engines	Master Service Technician with Briggs and Stratton

FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences in all Agricultural Education courses.

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BUSINESS, FINANCE, & MARKETING EDUCATION

Accounting I	**Fashion Merchandising**	**Adobe Visual Design**
Accounting II - H	**Marketing**	**Adobe Digital Design**
Business Law	**Marketing Applications**	**Adobe Video Design**
Principles of Business and Finance	**Hospitality and Tourism**	**Project Management I**
Business Management I	**Microsoft Word and PowerPoint**	**Project Management II**
Business Management II	**Microsoft Excel - H**	**CTE Advanced Studies**
Entrepreneurship I	**Sales I**	**CTE Career and College Promise**
Entrepreneurship II - H	**Sales II**	
Financial Planning I	**Sports and Entertainment Marketing I**	
Financial Planning II	**Sports and Entertainment Marketing II - H**	

Accounting I	Course Code: BA102X0	Level: S	Credit: 1

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

Accounting II - Honors ♦	Course Code: BA205X0	Level: H	Credit: 1

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. Mathematics is reinforced and entrepreneurial experiences encouraged.

Business Law Course Code: BB302X0 Level: S Credit: 1

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. English/language arts and social studies are reinforced.

Principles of Business and Finance Course Code: BF102X0 Level: S Credit: 1

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. English/language arts, social studies, and mathematics are reinforced.

Business Management I Course Code: BB402X0 Level: S Credit: 1

Prerequisite: Principles of Business & Finance

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

Business Management II ♦ Course Code: BB422X0 Level: S Credit: 1

Prerequisite: Business Management I

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

Entrepreneurship I Course Code: ME112X0 Level: S Credit: 1

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. English/language arts and social studies are reinforced.

Entrepreneurship II - Honors ♦ Course Code: ME125X0 Level: H Credit: 1

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. English/language arts and social studies are reinforced.

Financial Planning I Course Code: BF212X0 Level: S Credit: 1

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

Financial Planning II ♦ Course Code: BF222X0 Level: S Credit: 1

Prerequisite: Financial Planning I

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

Fashion Merchandising Course Code: MI212X0 Level: S Credit: 1

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

Marketing Course Code: MM512X0 Level: S Credit: 1

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. English/language arts, mathematics, and social studies are reinforced.

Marketing Applications ♦   **Course Code: MA522X0**   **Level: S**   **Credit: 1**
Prerequisite: Marketing
In this course, students will apply an understanding of marketing functions and impact of the functions on business decisions. Through problem solving and critical thinking, students will apply knowledge and skills in the areas of customer relations, economics, financial analysis, channel management, marketing-information management, marketing planning, products and services managements, and selling.   Relative opportunities are available for students to use technology to acquire and use marketing information. English/language arts and social studies are reinforced.

Hospitality and Tourism ♦   **Course Code: MH422X0**   **Level: S**   **Credit: 1**
Prerequisite: Marketing _or_ Principles of Business & Finance _or_ Sports and Entertainment Marketing I
In this course, students acquire understanding of the economic impact and marketing strategies for hospitality and tourism destinations. Emphasis is on destination complexity, customer relations, economics, legal and ethical responsibilities, safety and security, and tourism promotion. English/language arts, mathematics, social studies, and technology are reinforced.

Microsoft Word and PowerPoint   **Course Code: BM102X0**   **Level: S**   **Credit: 1**
Students in the Microsoft Imagine Academy 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 current 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 current version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. English/language arts and art are reinforced.

Microsoft Excel - Honors   **Course Code: BM205X0**   **Level: H**   **Credit: 1**
Students in Microsoft Imagine Academy benefit from world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. The class is designed to prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets, and they use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others. Mathematics is reinforced.

Sales I   **Course Code: MI312X0**   **Level: S**   **Credit: 1**
This course will teach students the basic knowledge around the sales profession. Students will explore careers in selling, personal branding, communication skills, customer service, buying behavior, technology, types of selling, product knowledge, and the selling process. Project-based learning, English/language arts, mathematics, and social studies are reinforced.

Sales II ♦   **Course Code: MI322X0**   **Level: S**   **Credit: 1**
This course will teach students the art of selling and will build on the content from the Sales I course. Students will further develop their personal brand and will continue to work on communication and customer service skills in addition to learning about pre- and post-sales activities. Students will use role plays to engage in the selling process and will learn on their feet. Project-based learning, English/language arts, and social studies are reinforced.

Sports and Entertainment Marketing I   **Course Code: MH312X0**   **Level: S**   **Credit: 1**
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. Mathematics and social studies are reinforced.

Sports and Entertainment Marketing II – Honors ♦   **Course Code: MH325X0**   **Level: H**   **Credit: 1**
Prerequisite: Sports and Entertainment Marketing I
In this course, students acquire an understanding of selling, promotion, and market planning 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. English/language arts, mathematics and social studies are reinforced.

Adobe Visual Design   **Course Code: II312X0**   **Level: S**   **Credit: 1**
This course is a project-based course that develops Information and Communications Technology (ICT), career, and communication skills in print and graphic design using Adobe tools. This course is aligned to Adobe Photoshop, InDesign, and Illustrator certification. English/language arts is reinforced.

Adobe Digital Design ♦   **Course Code: II322X0**   **Level: S**   **Credit: 1**
Prerequisite: Adobe Visual Design
This course is a project-based course that develops Information and Communications Technology (ICT), career, and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English/language arts is reinforced.

Adobe Video Design ♦   **Course Code: II332X0**   **Level: S**   **Credit: 1**
Prerequisite: Adobe Visual Design
This course is a project-based video course that develops career and communication skills in video production using Adobe tools. This course is aligned to Adobe Premiere certification. English/language arts is reinforced.

Project Management I   **Course Code: CS112X0**   **Level: S**   **Credit: 1**
This course will introduce students to the principles, concepts, and software applications used in the management of projects. Through project-based learning, students will learn how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The core concepts of scope, time, cost, and integration will be examined during this course. English/language arts, mathematics, and art are reinforced.

Project Management II ♦   **Course Code: CS122X0**   **Level: S**   **Credit: 1**
Prerequisite: Project Management I
This project-based course focuses on the use of information technology to increase the effectiveness and efficiency of project management and integrated enterprise. Students will learn operational strategies for managing advanced technology and innovation as well as how to map the high technology operations environment to business settings. English/language arts, mathematics, and art are reinforced.

CTE Advanced Studies   **Course Code: CS952X0**   **Level: S**   **Credit: 1**
Prerequisite: Two technical credits in one Career Cluster
This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

CTE Career and College Promise   **Course Code: Various**   **Level: S**   **Credit: 1**
College and Career Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

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BUSINESS, FINANCE, & MARKETING CREDENTIALS THAT CAN BE EARNED

CTE Course	Credential
Accounting I or II	Intuit Quickbooks Certified User
Entrepreneurship I or II	Venture Entrepreneurial Expedition
Hospitality & Tourism	Certified Guest Services Professional
Microsoft Word & PowerPoint	Microsoft Office Specialist Word AND PowerPoint *(2 certifications)*
Microsoft Excel	Microsoft Office Specialist Excel Core AND Excel Expert *(2 certifications)*
Adobe Visual Design	Adobe Illustrator, InDesign, AND Photoshop *(3 certifications)*
Adobe Digital Design	Adobe Dreamweaver Certification
Adobe Video Design	Adobe Premier Certification

Future Business Leaders of America (FBLA) and DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences in all Business, Finance, and Marketing Education courses.

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CAREER DEVELOPMENT EDUCATION

Career Management   Course Code: CC452X0   Level: S   Credit: 1

This course prepares students to locate, secure, keep, and change careers. Emphasis is placed on self-assessment of characteristics, interests, and values; education and career exploration; evaluation of career information and creation of a career plan. Based on the National Career Development Guidelines, skills learned in this course include, but are not limited to communications, interpersonal skills, problem solving, personal management and teamwork. English/language arts is reinforced. Student participation in Career and Technical Student Organization, (CTSO) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

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CAREER DEVELOPMENT CREDENTIAL THAT CAN BE EARNED

CTE Course	Credential
Career Management	Conover Workplace Readiness (Job Series)

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COMPUTER SCIENCE & INFORMATION TECHNOLOGY EDUCATION

Computer Science Principles I	**Network Administration II - H**	**SAS Base Programming**
Computer Science Principles II	**Python Programming I**	**CTE Advanced Studies**
Network Administration I	**Python Programming II**	**CTE Career and College Promise**

Computer Science Principles I   Course Code: BP412X0   Level: S   Credit: 1

Computer Science Principles I is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages. Student will focus on the "big CS ideas" in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. The big ideas in CSP include computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. English/language arts, mathematics, and art are reinforced.

Computer Science Principles II ♦   Course Code: BP422X0   Level: S   Credit: 1

Prerequisite: Computer Science Principles I

This is a second level introductory course in computer science (based on The Beauty and Joy of Computing) building on the foundation of Computer Science Principles I. This course offers a more in depth examination of the "big CS ideas" including a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Students will extend their computing skills to include more complex constructs including objects and data abstraction. As an option, performance tasks may be included to obtain AP credit.

Network Administration I   Course Code: BN202X0   Level: S   Credit: 1

This course is based on industry-validated skill standards. Topics include operating systems, networking, Windows server administration, and security. English/language arts and mathematics are reinforced.

Network Administration II - Honors ♦   Course Code: BN222X0   Level: S   Credit: 1

Prerequisite: Network Administration I

This course is based on industry-validated skill standards. Topics of this course include networking security, administrator responsibilities, and documentation of work-based experiences. English/language arts and mathematics are reinforced.

Python Programming I   Course Code: BP142X0   Level: S   Credit: 1

This course is designed to introduce Python as a beginning course (not intended for experienced programmers). The course is designed for students to learn and practice coding in an online environment that requires only a modern web browser and Internet connection. No special software is required to complete this course. The course includes video content, practice labs, and coding projects. Mathematics is reinforced.

Python Programming II ♦   Course Code: BP162X0   Level: S   Credit: 1

This course will prepare students for jobs and careers connected with widely understood software development, which includes not only creating the code itself as a junior developer, but also computer systems design and software testing. Students will be guided to

a level of programming knowledge which allows them to design, write, debug, and run programs encoded in the Python language, and to understand the basic concepts of software development technology. Mathematics is reinforced.

SAS Base Programming   **Course Code: BP202X0**   **Level: S**   **Credit: 1**
Prerequisite: Computer Science Principles I
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 lists and summary reports, defining new variables, executing code conditionally, reading raw data files and SAS data files, and writing the results to SAS data sets. Mathematics is reinforced.

CTE Advanced Studies   **Course Code: CS952X0**   **Level: S**   **Credit: 1**
Prerequisite: Two technical credits in one Career Cluster
This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

CTE Career and College Promise   **Course Code: Various**   **Level: S**   **Credit: 1**
College and Career Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

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COMPUTER SCIENCE & INFORMATION TECHNOLOGY CREDENTIALS THAT CAN BE EARNED

CTE Course	Credential
Computer Science Principles I Python Programming I	Introduction to Programming Using Python

Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences in all Computer Science & Information Technology Education courses.

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FAMILY AND CONSUMER SCIENCES EDUCATION

Principles of Family and Human Services	**Child Development**	**Interior Design I**
Apparel and Textile Production I	**Early Childhood Education I**	**Interior Design II**
Apparel and Textile Production II	**Food and Nutrition I**	**CTE Advanced Studies**
Counseling and Mental Health I	**Food and Nutrition II**	**CTE Career and College Promise**
Counseling and Mental Health II		

Principles of Family and Human Services   **Course Code: FC112X0**   **Level: S**   **Credit: 1**
Students learn life literacy skills and individual, family, and community systems in the context of the human services field. Emphasis is placed on human development, professional skills, diversity, analyzing community issues, and life management. Activities engage students in exploring various helping professions, while building essential life skills they can apply in their own lives to achieve optimal well-being. English/language arts, social studies, mathematics, science, technology, and interpersonal relationships are reinforced.

Apparel and Textile Production I   **Course Code: FA312X0**   **Level: S**   **Credit: 1**
In this course students are introduced to the apparel and textile industry in the areas of design, textiles and apparel engineering. Emphasis is placed on students applying these design and engineering skills to create and produce apparel products. Art, literacy, mathematics, and science are reinforced. *Students will be required to complete several sewing projects during the duration of the course. For safety reasons, enrollment is not to exceed 20 in this course.*

Apparel and Textile Production II ♦   **Course Code: FA322X0**   **Level: S**   **Credit: 1**

Prerequisite: Apparel and Textile Production I

Students in this course will gain a deeper understanding of design principles, engineering, fabrication and global needs of an ever-changing apparel and textile industry. The course provides a major focus on textile design, textile science, product construction, global manufacturing, and the apparel/textile market while incorporating and scaffolding prerequisite concepts. Emphasis is placed on application of design and engineering skills used to create, produce and prepare a product for market. Students will also gain the entrepreneurial skills necessary for successful marketing and distribution of an apparel product. Art, literacy, mathematics, science, and social studies concepts are reinforced throughout. ***Students will be required to complete several sewing projects during the duration of the course. For safety reasons, enrollment is not to exceed 20 in this course.***

Counseling and Mental Health I   **Course Code: FC132X0**   **Level: S**   **Credit: 1**

This course is designed to introduce students to the counseling and mental health field through understanding how to create healthy, respectful, and caring relationships across the life span. Emphasis is placed on understanding mental health, family and friend dynamics, effective communication, and healthy intrapersonal and interpersonal relationships. English/language arts, social studies, and technology are reinforced.

Counseling and Mental Health II ♦   **Course Code: FC142X0**   **Level: S**   **Credit: 1**

Prerequisite: Counseling and Mental Health I

Students in this course will gain a deeper understanding for the counseling and mental health field and factors that affect mental health. Emphasis is placed on understanding the human brain and psyche, theories of development, mental disorders, treatment options, and teen violence issues. Activities engage students in exploring various counseling and mental health careers, while building essential life literacy skills they can apply in their own lives to achieve optimal wellbeing. English/language arts, social studies, science, technology, and interpersonal relationships are reinforced.

Child Development   **Course Code: FE602X0**   **Level: S**   **Credit: 1**

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. English/language arts, art, and science are reinforced.

Early Childhood Education I ♦   **Course Code: FE112X0**   **Level: S**   **Credits: 2**

Prerequisite: Child Development

This two-credit course prepares students to work with children in early education and child care settings. Areas of study include personal and professional preparation, child development from birth to age 12, techniques and procedures for working with young children, and history trends and opportunities in this field. An internship makes up 50 percent of instructional time. Due to student participation, internships at early childcare centers that meet NC Child Care General Statue 110-91 Section 8, students must be 16 years of age prior to October 1 to enroll in this course. ***For safety reasons and number of interns placed, enrollment should not exceed 20 in this course.***

Food and Nutrition I   **Course Code: FN412X0**   **Level: S**   **Credit: 1**

Prerequisite: *Principles of Family and Human Services recommended*

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

Food and Nutrition II ♦   **Course Code: FN422X0**   **Level: S**   **Credit: 1**

Prerequisite: Food and Nutrition I

In this course, students experience the intersection of nutrition science and food preparation while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students learn how to manage food safety; plan and prepare meals for a variety of consumers and clients; and explore the food system and global cuisines.   English/language arts, social studies, mathematics, science, technology, and interpersonal relationships are reinforced. ***For safety and sanitation reasons, enrollment should not exceed 20 in this course.***

Interior Design I   **Course Code: FI512X0**   **Level: S**   **Credit: 1**

This course engages students in exploring various interior design professions, while building the content knowledge and technical skills necessary to provide a foundational knowledge of the design industry. Emphasis is placed on design thinking and utilization of the interior design process; human, environmental and behavioral factors; color theory, elements and principles of design; hand sketching/digital design techniques, space planning, selection of products and materials for residential interiors; client relationship building and design communication techniques. English/language arts, mathematics, science, art, and technology are reinforced.

Interior Design II ♦   **Course Code: FI522X0**   **Level: S**   **Credit: 1**

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. Art and mathematics are reinforced.

CTE Advanced Studies   Course Code: CS952X0   Level: S   Credit: 1

Prerequisite: Two technical credits in one Career Cluster
This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

CTE Career and College Promise   Course Code: Various   Level: S   Credit: 1

College and Career Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

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FAMILY AND CONSUMER SCIENCES CREDENTIALS THAT CAN BE EARNED

CTE Course	Credential
Early Childhood Education I	CPR and First Aid
Food and Nutrition II	ServSafe Food Protection Managers Certification

Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences in all Family and Consumer Science Education courses.

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HEALTH SCIENCE EDUCATION

Foundations of Health Science	**Biomedical Technology**	**CTE Advanced Studies**
Health Science I	**Health Science II - H**	**CTE Career and College Promise**

Foundations of Health Science   Course Code: HU102X0   Level: S   Credit: 1

This course is designed to assist potential healthcare workers in their role and function as health team members. Topics include medical terminology, the history of health care, healthcare agencies, ethics, legal responsibilities, health careers, holistic health, health care trends, cultural awareness, communication, medical math, leadership, and career decision making. English/language arts is reinforced in this course.

Health Science I   Course Code: HU402X0   Level: S   Credit: 1

This course focuses on human anatomy, physiology, human body diseases and disorders, and biomedical therapies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English/language arts and science are reinforced in this course.

Biomedical Technology ♦   Course Code: HB112X0   Level: S   Credit: 1

Prerequisite: Health Science I
This course challenges students to investigate current trends in health care. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English/language arts and science are reinforced in this course. ***Biology is recommended as good preparation for this course.***

Health Science II - Honors ♦   Course Code: HU425X0   Level: H   Credit: 1

Prerequisite: Health Science I
This course is designed to help students expand their understanding of financing and trends of healthcare 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 for healthcare professionals. English/language arts and science are reinforced in this course.

CTE Advanced Studies **Course Code: CS952X0** **Level: S** **Credit: 1**
Prerequisite: Two technical credits in one Career Cluster
This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

CTE Career and College Promise **Course Code: Various** **Level: S** **Credit: 1**
College and Career Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

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HEALTH SCIENCE CREDENTIALS THAT CAN BE EARNED

CTE Course	Credential
Health Science II	Stop the Bleed
Health Science II	CPR/AED
Health Science II	First Aid
Health Science II	OSHA 10-Hour Industry (Healthcare) Certification

Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences in all Health Science Education courses.

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TRADE, TECHNOLOGY, ENGINEERING & INDUSTRIAL EDUCATION

Adobe Visual Design	**Carpentry III**	**Firefighter Technology I**
Adobe Digital Design	**Masonry I - H**	**Firefighter Technology II**
Adobe Video Design	**Masonry II**	**Firefighter Technology III - H**
Automotive Service Fundamentals	**Masonry III - H**	**Advanced Manufacturing I**
Automotive Service I	**Drafting I**	**Advanced Manufacturing II**
Automotive Service II	**Drafting II Architectural - H**	**Metals Manufacturing Technology I**
Automotive Service III	**Drafting III Architectural - H**	**Metals Manufacturing Technology II**
Diesel Engine Technology I	**Drafting II Engineering - H**	**PLTW Intro to Engineering Design - AP**
Diesel Engine Technology II	**Drafting III Engineering - H**	**PLTW Civil Engineering & Architecture - AP**
Diesel Engine Technology III	**Public Safety I**	**PLTW Digital Electronics - AP**
Construction Core	**Public Safety II**	**CTE Advanced Studies**
Carpentry I	**Emergency Medical Technology I**	**CTE Career and College Promise**
Carpentry II - H	**Emergency Medical Technology II - H**	

Adobe Visual Design **Course Code: II312X0** **Level: S** **Credit: 1**
This course is a project-based course that develops ICT, career, and communication skills in print and graphic design using Adobe tools. This course is aligned to Adobe Photoshop, InDesign, and Illustrator certifications. English/language arts is reinforced.

Adobe Digital Design ♦ **Course Code: II322X0** **Level: S** **Credit: 1**
Prerequisite: Adobe Visual Design
This course is a project-based course that develops ICT, career, and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English/language arts is reinforced.

Adobe Video Design ♦   **Course Code: II332X0**   **Level: S**   **Credit: 1**
Prerequisite: Adobe Visual Design
This course is a project-based video course that develops career and communication skills in video production using Adobe tools. This course is aligned to Adobe Premiere certification. English/language arts is reinforced.

Automotive Service Fundamentals   **Course Code: IT112X0**   **Level: S**   **Credit: 1**
This course introduces automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Also careers and various job opportunities in the automotive repair industry will be discussed. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English/language arts is reinforced. ***This course is certified under the NATEF (National Automotive Technician Education Foundation) MLR (Maintenance and Light Repair) standards.***

Automotive Service I   **Course Code: IT162X0**   **Level: S**   **Credit: 1**
Prerequisite: Automotive Service Fundamentals
This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing and basic testing of brakes, electrical systems, drivetrain, engine, HVAC, and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English/language arts is reinforced. ***This course is certified under the NATEF (National Automotive Technician Education Foundation) MLR (Maintenance and Light Repair) standards. Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Automotive Service II ♦   **Course Code: IT172X0**   **Level: S**   **Credit: 1**
Prerequisite: Automotive Service I
This course builds on the knowledge and skills introduced in Automotive Service I, and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC, and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English/language arts is reinforced. This course helps prepare students for the Automotive Service Excellence (ASE) certification in Maintenance and Light Repair (MLR-G1). ***This course is certified under the NATEF (National Automotive Technician Education Foundation) MLR (Maintenance and Light Repair) standards. Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Automotive Service III   **Course Code: IT182X0**   **Level: S**   **Credit: 1**
Prerequisite: Automotive Service II
This course builds on the skills and knowledge introduced in Automotive Service I & II. Building advanced automotive skills and knowledge in vehicle servicing, testing, repair, and diagnosis of brakes, electrical systems, drivetrain, engine, HVAC, and steering & suspension systems, while emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English/language arts and mathematics are reinforced. This course helps prepare students for the Automotive Service Excellence (ASE) certification in Maintenance and Light Repair (MLR-G1). ***This course is certified under the NATEF (National Automotive Technician Education Foundation) MLR (Maintenance and Light Repair) standards. Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Diesel Engine Technology I – Diesel Academy   **Course Code: IL502X02**   **Level: S**   **Credit: 1**
This course provides a basic introduction to the fundamentals of diesel engine technology. Topics include basic safety rules and equipment, proper use of hand and power tools and precision measurement; identification of various diesel engine components; fasteners; basic diesel test equipment; principles of two and four stroke cycle engine operation; and diesel fuel, engine lubricating oils, and coolants. With a final DET I course grade of B or higher AND a grade of 78 or higher on the final course assessment provided by Johnston Community College, students may earn credit in Johnston Community College's Heavy Equipment Truck Technology (HEATT) program for the following courses: HET 118--Mechanical Orientation and HET 127--Shop Rules and Regulations. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Diesel Engine Technology II - Diesel Academy ♦   **Course Code: IL512X0A 1st Semester / IL512X0B 2nd Semester**   **Level: S**   **Credit: 2**
Prerequisite: Diesel Engine Technology I
This course will introduce students to the fundamentals of engine components used in diesel engine technology. Topics include cylinder head components, piston and connecting rod assemblies, timing gears, cylinder blocks, crankshafts, bearings and seals. This course also introduces students to the disassembly and reassembly of diesel engine components. With a final DET II course grade of B or higher, a student may take the final program assessment provided by Johnston Community College at the end of DET III to earn additional credits in Johnston Community College Heavy Equipment Truck Technology (HEATT) program. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Diesel Engine Technology III - Diesel Academy   **Course Code: IL522X0A 1st Semester / IL522X0B 2nd Semester**   **Level: S**   **Credit: 2**
Prerequisite: Diesel Engine Technology II
This course will introduce students to the fundamentals of support systems used in diesel engine technology. Topics include lubrication and cooling systems, air intake and exhaust systems, starting and charging systems, engine retarders, fuel system components, and governor.   Students will also be introduced to the fundamentals of diesel engine tune up of Cummins, Detroit, and Caterpillar diesel engines and the diagnosis of engine problems and preparation for engine testing. With final DET II and DET III course grades of B or higher AND a grade of 78 or higher on the final program assessment provided by Johnston Community College, students may earn credit in Johnston Community College Heavy Equipment Truck Technology (HEATT) program for the following courses: HET 128—Med/Heavy Duty Tune-Up and HET 110—Diesel Engines. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Construction Core Course Code: IC002X0 Level: S Credit: 1

This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all of the NCCER curriculum-area programs, and an additional Green module. The course content includes: basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to construction drawing blueprints, material handling, basic communication skills, basic employability skills, and "Your Role in the Green Environment". The additional Green module has been added to provide students with instruction in the green environment, green construction practices, and green building rating systems. Also it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English/language arts and mathematics are reinforced. This course helps prepare students for additional National Center for Construction Education and Research (NCCER) Core certification. Geometry is recommended as preparation for this course. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Carpentry I Course Code: IC212X0 Level: S Credit: 1

Prerequisite: Construction Core

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on the development of introductory skills to include orientation to the trade, building materials, fasteners, adhesives, hand and power tools, reading plans and elevations, introduction to concrete, reinforcing materials, forms, floor system construction procedures, wall and ceiling framing procedures, and basic stair layout. English/language arts and mathematics are reinforced. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Carpentry II - Honors ♦ Course Code: IC225X0 Level: H Credit: 1

Prerequisite: Carpentry I

This course builds on skills mastered in Carpentry I and provides an emphasis on roof framing procedures, roofing applications, thermal and moisture protection, windows and exterior doors installation, exterior finishing, and the introduction to weatherization module. English/language arts and mathematics are reinforced. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Carpentry III Course Code: IC232X0 Level: S Credit: 1

Prerequisite: Carpentry II

This course builds on skills mastered in Carpentry II and develops advanced technical aspects of carpentry with the emphasis on commercial drawing, cold-formed steel framing construction methods, drywall installations, drywall finishing procedures, doors and door hardware installation, and windows, door, floor and ceiling trim procedures. English/language arts and mathematics are reinforced. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Masonry I - Honors Course Code: IC115X0 Level: H Credit: 1

Prerequisite: Construction Core

This course covers basic masonry terminology and develops technical aspects of the masonry industry with emphasis on the development of introductory skills to include the introduction to masonry, masonry tools and equipment, measurement, drawings and specifications, mortar procedures, and masonry units and installation techniques. English/language arts and mathematics are reinforced. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Masonry II ♦ Course Code: IC122X0 Level: S Credit: 1

Prerequisite: Masonry I

This course builds on skills mastered in Masonry I and provides an emphasis on residential plans and drawing interpretation, residential masonry, grout and other reinforcement processes, metalwork in masonry, and the introduction to weatherization. English/language arts and mathematics are reinforced. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Masonry III - Honors Course Code: IC135X0 Level: H Credit: 1

Prerequisite: Masonry II

This course builds on skills mastered in Masonry II and provides an emphasis on advanced laying techniques, construction techniques and moisture control procedures, and construction, inspection and quality control processes. Introductory skills for the Crew Leader are also introduced in this course. English/language arts and mathematics are reinforced. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification. Geometry is recommended as preparation for this course. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.***

Drafting I Course Code: IC612X0 Level: S Credit: 1

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

Drafting II - Architectural - Honors ♦   **Course Code: IC625X0**   **Level: H**   **Credit: 1**
Prerequisite: Drafting I
This course focuses on the principles, concepts of architectural design, and use of Building Information Modeling (BIM), used in the field of architecture. An emphasis is placed on the use of 3-D CAD tools in the design and execution of floor plans, foundation plans, wall sections, and elevation drawings. An understanding of 3-D CAD concepts and terms, and the use of 3-D CAD software such as REVIT, are essential to this course and the required method of producing finished drawings. English/language arts, mathematics, and science are reinforced.

Drafting III - Architectural - Honors   **Course Code: IC635X0**   **Level: H**   **Credit: 1**
Prerequisite: Drafting - Architectural II
This course introduces students to advanced architectural design concepts, and Building Information Modeling (BIM). Emphasis is placed on the continued use of 3-D CAD tools and software such as REVIT, in the design and execution of site and foundation plans, electrical/lighting plans, stair/railing design, bath and kitchen details, multi-level floor systems, site development, renderings and walkthroughs, as well as small commercial building and design. English/language arts, mathematics, and science are reinforced.

Drafting II - Engineering - Honors ♦   **Course Code: IV225X0**   **Level: H**   **Credit: 1**
Prerequisite: Drafting I
This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3-D CAD concepts and terms, and the use of 3-D CAD software, such as INVENTOR or SolidWorks, are essential to this course, and the required method of producing finished drawings. Topics include advanced levels of Engineering Drafting and Design, career opportunities, problem solving, manufacturing processes, Parametric-Solid Modeling, dimensioning and tolerancing, working drawings, and 3-D modeling. English/language arts, mathematics, and science are reinforced.

Drafting III - Engineering - Honors   **Course Code: IV235X0**   **Level: H**   **Credit: 1**
Prerequisite: Drafting II - Engineering
This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3-D CAD concepts and terms, and the use of 3-D CAD software, such as INVENTOR or SolidWorks, are essential to this course, and the required method of producing finished drawings. Topics include advanced levels of Engineering Drafting and Design, employment requirements, engineering design concepts and principles, advanced manufacturing processes, advanced Parametric-Solid Modeling, geometric dimensioning and tolerancing, work drawings and assemblies, 3-D Modeling, sheet metal parts, and professional portfolio. English/language arts, mathematics, and science are reinforced.

Public Safety I   **Course Code: IP112X0**   **Level: S**   **Credit: 1**
This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100, 200, 700, and 800 are also a part of this course. 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. English/language arts is reinforced.

Public Safety II ♦   **Course Code: IP122X0**   **Level: S**   **Credit: 1**
Prerequisite: Public Safety I
This course provides a deeper level of understanding of career information in public safety by focusing on the Community Emergency Response Team (CERT) Certification. CERT is a Federal Emergency Management Administration (FEMA) developed certification that incorporates all areas of public safety. Additionally, FEMA ICS300 Intermediate Incident Command System is covered in this course. .English/language arts is reinforced.

Emergency Medical Technology I   **Course Code: IP212X0**   **Level: S**   **Credit: 1**
Prerequisite: English II / Public Safety I
This course is aligned to the EMT Basic certification available from the North Carolina Office of Emergency Medical Services and is part one of a two course sequence required to meet the mandatory hours of training. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English/language arts is reinforced. ***Students must be 17 years of age prior to enrollment per NCOEMS requirements. Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Emergency Medical Technology II - Honors ♦   **Course Code: IP225X0**   **Level: H**   **Credit: 1**
Prerequisite: Emergency Medical Technology I and English III
This course is aligned to the EMT Basic certification available from the North Carolina Office of Emergency Medical Services and is part two of a two course sequence required to meet the mandatory hours of training. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English/language arts is reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Firefighter Technology I   **Course Code: IP312X0**   **Level: S**   **Credit: 1**
Prerequisite: Public Safety I
This course covers part of the NC Firefighter certification modules required for all Firefighters in North Carolina. The modules include: Orientation and Safety; Health and Wellness; Fire Behavior; Personal Protective Equipment; Fire Hose, Streams, and Appliances; Portable Fire Extinguishers; Foam Fire Streams; and Emergency Medical Care. English/language arts is reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Firefighter Technology II ♦ Course Code: IP322X0 Level: S Credit: 1
Prerequisite: Firefighter Technology I
This course covers additional NC Firefighter certification modules required for all Firefighters in North Carolina. The modules include: Building Construction; Ropes; Alarms and Communications; Forcible Entry; Ladders; Ventilation; and Loss Control. English/language arts is reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Firefighter Technology III - Honors Course Code: IP335X0 Level: H Credit: 1
Prerequisite: Firefighter Technology II
This course covers part of the NC Firefighter certification modules required for all Firefighters in North Carolina. The modules include: Water Supplies; Sprinklers; Fire & Life Preparedness; Rescue; Mayday; and Safety & Survival. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Advanced Manufacturing I Course Code: IM112X0 Level: S Credit: 1
This course is the first part of a two part sequence on the basic functional knowledge and skills needed in the advance manufacturing environment. This course covers introduction to manufacturing, safety, and quality and is based upon the Manufacturing Skills Standards Council's (MSSC) Certified Production Technicians certification (CPT). CPT is recognized by manufacturers in NC and the USA as a fundamental certification needed by advance manufacturing production workers. Topics included in this course include 21st century skills, working in manufacturing, understanding customers' needs, communication strategies, how to develop and deliver training, manufacturing safety, personal protective equipment, fire and electrical safety, blueprint reading, basic measurement, precision tools, quality systems, corrective action process, and verification processes. English/language arts is reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Advanced Manufacturing II ♦ Course Code: IM122X0 Level: S Credit: 1
Prerequisite: Advanced Manufacturing I
This course is the second part of a two part sequence on the basic functional knowledge and skills needed in the advance manufacturing environment. This course covers manufacturing processes, production and maintenance, and is based upon the Manufacturing Skills Standards Council's (MSSC) Certified Production Technicians certification (CPT). CPT is recognized by manufacturers in NC and the USA as a fundamental certification needed by advanced manufacturing production workers. Topics included in this course are identifying customer needs, determining resources available for production process, equipment setup, setting team, production goals, perform and monitor the process to make a product, document the process and determine product shipping or distribution, and performing routine maintenance of electrical, pneumatic, hydraulic, and machine automation. English/language arts is reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Metals Manufacturing Technology I Course Code: IM412X0 Level: S Credit: 1
This course introduces various processes and job opportunities in manufacturing with emphasis on machining metal parts. Topics include safety, math, measurement, blueprint reading, layout, bench work, sawing, drilling, turning, and milling. English/language arts and mathematics are reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

Metals Manufacturing Technology II ♦ Course Code: IM422X0 Level: S Credit: 1
Prerequisite: Metals Manufacturing Technology I
This course provides advanced instruction in manufacturing and introduces computer-assisted drafting/manufacturing and numerical control processes. Topics include safety, environmental protection, quality control, metallurgy, materials, layout, assembly, sawing, turning, milling, grinding, computer numerical control, computer-aided manufacturing, welding, and maintenance. English/language arts and mathematics are reinforced. ***Due to potentially hazardous processes and equipment, a maximum enrollment of 15 is recommended.***

PLTW Introduction to Engineering Design (AP Equivalent) Course Code: TP117X0 Level: AP Credit: 1
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 3-D 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. English/language arts, mathematics, art, and science are reinforced. ***PLTW Introduction to Engineering Design offers the opportunity for college credit upon successful completion of the course and passing a standardized examination.***

PLTW Digital Electronics (AP Equivalent) ♦ Course Code: TP217X0 Level: AP Credit: 1
Prerequisite: Introduction to Engineering Design
In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students explore the foundations of computing by engaging in circuit design processes to create combinational logic and sequential logic (memory) as electrical engineers do in industry. English/language arts, mathematics, art, and science are reinforced. ***PLTW Digital Electronics offers the opportunity for college credit upon successful completion of the course and passing a standardized examination.***

PLTW Civil Engineering and Architecture (AP Equivalent) ♦ Course Code: TP237X0 Level: AP Credit: 1
Prerequisite: Introduction to Engineering Design
In this specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. English/language arts and art are reinforced.

PLTW Civil Engineering and Architecture offers the opportunity for college credit upon successful completion of the course and passing a standardized examination.

| CTE Advanced Studies | Course Code: CS952X0 | Level: S | Credit: 1 |

Prerequisite: Two technical credits in one Career Cluster
This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills.

| CTE Career and College Promise | Course Code: Various | Level: S | Credit: 1 |

College and Career Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

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TRADE, TECHNOLOGY, ENGINEERING & INDUSTRIAL CREDENTIALS THAT CAN BE EARNED

CTE Course	Credential
Construction Core	OSHA 10-Hour Construction Industry
Construction Core	NCCER Credential - Core & Sustainable *(9 modules)*
Carpentry I	NCCER Credential - Carpentry I *(7 modules)*
Carpentry II	NCCER Credential - Carpentry II *(6 modules)*
Carpentry III	NCCER Credential - Carpentry III *(6 modules)*
Masonry I	NCCER Credential - Masonry I *(6 modules)*
Masonry II	NCCER Credential - Masonry II *(5 modules)*
Masonry III	NCCER Credential - Masonry III *(3 modules)*
Drafting I	Autodesk Certified User AutoCAD
Drafting II - Architecture	Autodesk Certified User Revit
Drafting III - Architecture	Autodesk Certified Professional Revit
Drafting II - Engineering	Certified SolidWorks Associate (CSWA)
Drafting III - Engineering	Certified SolidWorks Professional (CSWP)
Adobe Visual Design	Adobe Illustrator, InDesign, and Photoshop *(3 certifications)*
Adobe Digital Design	Adobe Dreamweaver Certification
Adobe Video Design	Adobe Premier Certification
Public Safety I	National Incident Management System *(4 credentials)*
Public Safety II	Community Emergency Response Team (CERT)
Firefighter Technology I	NC Office of State Fire Marshal *(8 modules)*
Firefighter Technology II	NC Office of State Fire Marshal *(7 modules)*
Firefighter Technology III	NC Office of State Fire Marshal *(6 modules)*
Emergency Medical Technology I & II	EMT Basic Certification

SkillsUSA and Technology Student Association (TSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences in all Trade, Technology, Engineering, and Industrial Education courses.

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ENGLISH / LANGUAGE ARTS

English I	English III - H	AP English Literature & Composition
English I - H	AP English Language & Composition	Advanced Composition - H
English II	CCRG English IV	Journalism I
English II - H	English IV	Journalism II
English III	English IV - H	Journalism III - H
		Journalism IV - H

The Future-Ready Core Course of Study requires <u>3 credits</u> in English/Language Arts.

English I Course Code: 10212X0 Level: S Credit: 1

Prerequisite: 8th Grade English Language Arts
Students will analyze and evaluate literary and informational texts. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives).

English I - Honors Course Code: 10215X0 Level: H Credit: 1

Prerequisite: Successful performance on the NC End-of-Grade Reading Assessment
Students will analyze and evaluate advanced curriculum content at a brisk pace. Students will investigate complex questions, problems and challenges related to the theme(s) of text read. Students will determine and submit project proposals regarding their investigations. Proposals will be reviewed and approved by the teacher. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives). Students must possess the interest, ability, and motivation to meet the challenges of an honors level course.

English II Course Code: 10222X0 Level: S Credit: 1

Prerequisite: English I
Students will analyze and evaluate literary and informational texts. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives). ***The student will take the NC English II End-of-Course Test at the completion of this course.***

English II - Honors Course Code: 10225X0 Level: H Credit: 1

Prerequisite: Successful completion of English I
Students will analyze and evaluate advanced curriculum content at a brisk pace. Students will investigate complex questions, problems, and challenges related to the theme(s) of text read. Students will determine and submit project proposals regarding their investigations. Proposals will be reviewed and approved by the teacher. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives). Students must possess the interest, ability, and motivation to meet the challenges of an honors level course. ***The student will take the NC English II End-of-Course Test at the completion of this course.***

English III Course Code: 10232X0 Level: S Credit: 1

Prerequisite: English II
Students will analyze and evaluate literary and informational texts. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives).

English III - Honors Course Code: 10235X0 Level: H Credit: 1

Prerequisite: Successful completion of English II
Students will analyze and evaluate advanced curriculum content at a brisk pace. Students will investigate complex questions, problems, and challenges related to the theme(s) of text read. Students will determine and submit project proposals regarding their investigations. Proposals will be reviewed and approved by the teacher. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives). Students must possess the interest, ability, and motivation to meet the challenges of an honors level course.

AP English Language & Composition **Course Code: 1A007X0** **Level: AP** **Credit: 1**

Prerequisite: English III- Honors (as a lead-in course)

Advanced Placement Language and Composition focuses on advanced composition and analyses of language. Through the study of the process of writing and analysis of a variety of prose forms, the student will focus on the semantic, structural, and rhetorical resources of the language and practice a variety of writing assignments requiring the use of different styles and tones. The study of major literary works will be a requirement during the course, and it is recommended that these be read prior to taking the course. Student will take English III Honors 1ˢᵗ semester and AP Language & Composition 2ⁿᵈ semester. ***The student enrolled in this course must take the AP Language and Composition Exam. Please see your school counselor with any further questions.***

CCRG English IV **Course Code: TBD** **Level: S** **Credit: 1**

Prerequisite: English III

The CCRG English IV course merges Career and College Ready English Learning Outcomes (delivered via EdReady) and CCRG reading and writing activities with current grade level (11-12) standards. Students will analyze and evaluate literary and informational texts. Students will sharpen vocabulary and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives). The CCRG English course has been approved by UNC for minimum course requirements and meets NC graduation requirements for English. ***(Refer to Appendix C for course criteria.)***

English IV **Course Code: 10242X0** **Level: S** **Credit: 1**

Prerequisite: English III

Students will analyze and evaluate literary and informational texts. Students will sharpen vocabulary and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives).

English IV - Honors **Course Code: 10245X0** **Level: H** **Credit: 1**

Prerequisite: Successful completion of English III

Students will analyze and evaluate advanced curriculum content at a brisk pace. Students will investigate complex questions, problems, and challenges related to the theme(s) of text read. Students will determine and submit project proposals regarding their investigations. Proposals will be reviewed and approved by the teacher. Students will sharpen vocabulary, language, and grammar skills through interactive activities and writing assignments. Students will clearly and coherently offer and support opinions/arguments (argumentative writing), demonstrate an understanding of a topic under study (informative/explanatory writing), and convey real and/or imagined experiences (narratives). Students must possess the interest, ability, and motivation to meet the challenges of an honors level course.

AP English Literature & Composition **Course Code: 1A017X0** **Level: AP** **Credit: 1**

Prerequisite: English IV Honors (as a lead-in course)

Advanced Placement Literature and Composition is designed to be the equivalent of a freshman level college course. Writing assignments focus on the critical analysis, expository and argumentative essays, personal narrative, and the development of stories, poems, and plays. American and English Literature selections representing various genres and periods of development are examined for richness of thought and language. The study of major literary works will be a requirement during the course, and it is recommended that these be read prior to taking the course. ***The student will be required to take the AP English Literature & Composition Exam to receive credit for the course. Please see your school counselor with any further questions.***

Advanced Composition - Honors **Course Code: 10255XD** **Level: H** **Credit: 1**

Prerequisite: None

Advanced Composition is designed to assist students with communication skills through a three step process. They will analyze examples of good writing and create a portfolio of their own writings. Students will demonstrate and utilize proper focus, elaboration and support, and style related to expressive and informational writing, with an introduction to critical analysis. They will learn to effectively use MLA and APA formats for construction of their grade level projects. The course will include an emphasis on communication skills relevant to the Twenty-first Century.

Journalism I **Course Code: 10312X0** **Level: S** **Credit: 1**

Prerequisite: Level 1: Application process

This course focuses on the basic elements of newspaper, literary magazine, and yearbook writing and layout design with an emphasis on yearbook publication. The student will receive instruction in the use of a computer publication program. The student who elects to take this course should be genuinely interested in developing journalistic skills (which includes meeting deadlines) and becoming an active member of the school's publication staff (which includes the selling of ads).

Journalism II **Course Code: 10322X0** **Level: S** **Credit: 1**

Prerequisite: Journalism I

This course continues to focus on the basic elements of newspaper, literary magazine, and yearbook writing and layout design with an emphasis on yearbook publication. The student will receive instruction in the use of a computer publication program. The student who elects to take this course should be genuinely interested in developing journalistic skills (which includes meeting deadlines) and becoming an active member of the school's publication staff (which includes the selling of ads).

Journalism III - Honors   **Course Code: 10335X0**   **Level: H**   **Credit: 1**
Prerequisite: Journalism II
This course focuses on advanced design techniques and editing skills. The design techniques will be enhanced through use of a computer publication program. The students develop leadership skills enabling them to organize and manage time to achieve journalistic excellence through the entire publication process that also includes the selling of ads.

Journalism IV - Honors   **Course Code: 10345X0**   **Level: H**   **Credit: 1**
Prerequisite: Journalism III
This course continues the emphasis on advanced design techniques and editing skills. The design techniques will be enhanced through use of a computer publication program. The students develop leadership skills enabling them to organize and manage time to achieve journalistic excellence through the entire publication process that also includes the selling of ads.

HEALTHFUL LIVING & PHYSICAL EDUCATION

Health/Physical Education	Physical Fitness I	Sports Management	PEPI 2
Physical Education	Weightlifting/Physical Fitness II		PEPI 1

Health/Physical Education   **Course Code: 60492X01 (Boys); 60492X02 (Girls)**   **Level: S**   **Credit: 1**
This course is a required health and physical education course for all 9th grade students and is also a requirement for graduation. The health component of this course addresses the areas of mental health, nutrition, chemical and substance abuse, consumer health, safety/first aid, family life, and chronic disease. Physical education is a skills-based program that allows the student to participate in a variety of activities. Students in grades 10-12 who have not completed the 9th grade H/PE requirement should register for this course. Credit for this course is required for all other physical education/physical fitness classes.

Physical Education   **Course Code: 60292X01 (Boys); 60292X02 (Girls)**   **Level: S**   **Credit: 1**
Prerequisite: Health/Physical Education
This course offers both team sports and individual sports with emphasis on activities that can be enjoyed now and throughout life. This program will provide a strong physical fitness component. The student will participate in physical fitness testing, personal fitness development, strength conditioning, dance stunts, tumbling and gymnastics, games and sports.

Physical Fitness I   **Course Code: 60602X01 (Boys); 60602X02 (Girls)**   **Level: S**   **Credit: 1**
Prerequisite: Health/Physical Education
This course cannot replace or be substituted for Health/Physical Education I. This course is designed for the purpose of improving physical conditioning and involved intense training. The student will participate in activities related to the areas in weight training: cardiovascular conditioning, flexibility training, diet and nutrition.

Weightlifting/Physical Fitness II   **Course Code: 60612X01 (Boys); 60612X02 (Girls)**   **Level: S**   **Credit: 1**
Prerequisite: Health/Physical Education *and* athletic team membership
This course focuses on intense training for athletes for the purpose of improving physical conditioning. The athlete will participate in activities related to physical fitness testing and weight training; cardiovascular conditioning, flexibility training, diet, and nutrition.

Sports Management   **Course Code: 60292X09**   **Level: S**   **Credit: 1**
This course gives an overview of the responsibilities of those involved in the sports industry, as well as how general management principles apply to the industry. Topics include responsibilities of sport administrators, development of new programs, special events and media publications, maintenance of athletic budgets, evaluation of personnel and programs, working with booster clubs, understanding pre-game field prep and field responsibilities, and understanding sports rules and officiating.

PEPI 1   **Course Code: 96042X01**   **Level: S**   **Credit: 1**
Prerequisites: Health/Physical Education *and* sponsoring teacher recommendation
NOTE: Recommended for grades 11 and 12.
This course is designed for students interested in serving as physical education aides to elementary classroom teachers. Special training in the area of elementary physical education is given to each student prior to working in the assigned school Students are trained in classroom management, development of physical activity lessons, conflict resolution skills, and providing lessons aligned to the Essential Standards for Physical Education. This course is designed for students interested in careers related to teaching or recreation leadership.

PEPI 2   **Course Code: 96042X02**   **Level: S**   **Credit: 1**
Prerequisites: PEPI 1 *and* sponsoring teacher recommendation
NOTE: Recommended for grades 11 and 12.
This course is an extension of PEPI 1. Students in this course take a more active role as a pupil instructor at the assigned elementary school. They are provided with additional opportunities to work with students at different grade levels, and are expected to demonstrate a greater level of leadership within the PEPI program. This course is designed for students interested in careers related to teaching or recreation leadership.

ARMY JROTC

Army JROTC I (Grade: 9 - 12)	**Army JROTC V Cadet Staff Leadership - H**	**Army JROTC VIII**
Army JROTC II	**Army JROTC VI**	**Army JROTC VIII Cadet Staff Leadership - H**
Army JROTC III	**Army JROTC VI Cadet Staff Leadership - H**	**Military Skills Application**
Army JROTC IV	**Army JROTC VII**	**Advanced Military Skills - H**
Army JROTC V	**Army JROTC VII Cadet Staff Leadership - H**	

JROTC develops leadership, citizenship, and self-discipline. Cadets begin as followers and progress through successive positions of increased responsibility at each JROTC level. Cadets earn promotions (rank advancement) by demonstrating skills, participating in JROTC activities and accomplishing requirements; school class level (9th, 10th, etc.) is irrelevant. Student leaders instruct military drill, maintain cadet records, and evaluate junior cadets for awards and promotions. Cadets develop citizenship skills through classroom study and support of community and school activities. To develop self-discipline, cadets are issued a complete military uniform and are responsible to keep it serviceable and presentable. The uniform inspection grade, which includes personal appearance, is a major portion of the JROTC grade. Classes perform physical training on a regular basis. This may include rope bridge construction and rappelling. Students receive weapons safety and marksmanship instruction with air powered target rifles. Students who fail any level of JROTC will not be permitted to repeat that level or continue to other levels without the consent of the JROTC faculty and the principal.

Requirements:
- Cadets are required to wear their uniform to school once each week.
- Cadets are expected to maintain personal grooming standards when in uniform.
- Cadets are expected to obey all legal and moral orders of cadets in positions of authority over them, regardless of age, school, class, or other such criteria.
- All cadets take part in military drill, which involves marching and standing in formations.
- All cadets take part in physical training.
- All cadets take part in marksmanship training.
- There is at least one mandatory formation for an out-of-school activity each semester.

Army JROTC I (Grade: 9 - 12)   **Course Code: 95012X0**   **Level: S**   **Credit:1**

JROTC I is the entry level JROTC course, providing the history, purpose, and objectives of JROTC. Leadership, citizenship, military history, and communications skills are stressed. Other training includes map reading, first aid, and substance abuse prevention.

Army JROTC II   **Course Code: 95022X0**   **Level: S**   **Credit: 1**

Prerequisite: JROTC I (Grade: 9 - 12)
JROTC II continues the studies of JROTC I with greater attention to details and skill development. JROTC II cadets must be able to perform leadership duties as squad leaders.

Army JROTC III   **Course Code: 95032X0**   **Level: S**   **Credit: 1**

Prerequisite: JROTC II (Grade: 10 - 12)
JROTC III continues to fine tune the basic military subjects of the JROTC curriculum. JROTC III students begin to assist in classroom instruction of junior cadets and have primary responsibilities in teaching military drill. JROTC III cadets must be able to perform leadership duties at the Platoon Sergeant level.

Army JROTC IV   **Course Code: 95042X0**   **Level: S**   **Credit: 1**

Prerequisite: JROTC III (Grade: 10 - 12)
Academic work for the JROTC IV cadets completes the program which began in JROTC I. A major research paper is required. JROTC IV cadets hold primary leadership positions from First Sergeant to Company Commander and some staff positions. JROTC IV company leaders train junior cadets and administer the awards and promotion system. They conduct inspections and instill discipline.

Army JROTC V   **Course Code: 95052X0**   **Level: S**   **Credit: 1**

Prerequisite: JROTC IV *and* approval of the JROTC faculty. (Grade: 11 - 12)
Academic work for the JROTC V cadets consists of independent study projects. A major research paper is required. JROTC V cadets hold battalion staff positions and perform military staff functions, to include personnel administration, operations and plans, supply management, and public relations. A JROTC V cadet may be designated as Company Commander or Battalion Commander.

Army JROTC V Cadet Staff Leadership - Honors   **Course Code: 95045X05**   **Level: H**   **Credit: 1**

Prerequisite: JROTC IV *and* approval of the JROTC faculty. (Grade: 11 - 12)
Beyond the curriculum of JROTC V, cadets in this class will conduct long and short-range planning, and exercise decision-making, coordination, control, and execution of cadet organization activities during the school year. Cadets may be required to participate in practice and events during school hours, after school hours, and weekends/holidays. Students are expected to apply higher-level leadership, organizational, communication, and personal interaction skill in the performance of their duties.

Army JROTC VI Course Code: 95062X0 Level: S Credit: 1
Prerequisite: JROTC V *and* approval of the JROTC faculty. (Grade: 11 - 12)
JROTC VI cadets exercise major command and staff functions over all cadets assigned to the JROTCE program. They oversee and approve all staff functions and represent the JROTC Battalion. Academic work for JROTC VI cadets consists of a major research paper. Only two students per semester may be assigned to JROTC VI.

Army JROTC VI Cadet Staff Leadership - Honors Course Code: 95045X06 Level: H Credit: 1
Prerequisite: Army JROTC V-H *and* approval of the JROTC faculty. (Grade: 11 - 12)
Beyond the curriculum of JROTC VI, cadets in this class will conduct long and short-range planning, and exercise decision-making, coordination, control, and execution of cadet organization activities during the school year. Cadets may be required to participate in practice and events during school hours, after school hours, and weekends/holidays. Students are expected to apply higher-level leadership, organizational, communication, and personal interaction skill in the performance of their duties.

Army JROTC VII Course Code: 95072X0 Level: S Credit: 1
Prerequisite: JROTC VI *and* approval of the JROTC faculty. (Grade: 12)
JROTC VII and VIII cadets serve as teaching assistants. Only two LET VII or LET VIII cadets may be assigned to each class period.

Army JROTC VII Cadet Staff Leadership - Honors Course Code: 95045X07 Level: H Credit: 1
Prerequisite: Army JROTC VI-H *and* approval of the JROTC faculty. (Grade: 11 - 12)
Beyond the curriculum of JROTC VII, cadets in this class will conduct long and short-range planning, and exercise decision-making, coordination, control, and execution of cadet organization activities during the school year. Cadets may be required to participate in practice and events during school hours, after school hours, and weekends/holidays. Students are expected to apply higher-level leadership, organizational, communication, and personal interaction skill in the performance of their duties.

Army JROTC VIII Course Code: 95082X0 Level: S Credit: 1
Prerequisite: JROTC VI *and* approval of the JROTC faculty. (Grade: 12)
JROTC VII and VIII cadets serve as teaching assistants. Only two LET VII or LET VIII cadets may be assigned to each class period.

Army JROTC VIII Cadet Staff Leadership - Honors Course Code: 95045X08 Level: H Credit: 1
Prerequisite: Army JROTC VII-H *and* approval of the JROTC faculty. (Grade 11 - 12)
Beyond the curriculum of JROTC VIII, cadets in this class will conduct long and short-range planning, and exercise decision-making, coordination, control, and execution of cadet organization activities during the school year. Cadets may be required to participate in practice and events during school hours, after school hours, and weekends/holidays. Students are expected to apply higher-level leadership, organizational, communication, and personal interaction skill in the performance of their duties.

Military Skills Application Course Code: 95012X0B Level: S Credit: 1
Prerequisite: Approval of JROTC faculty *and* enrollment in a JROTC academic level course. (Grade: 9 – 12)
This course consists of JROTC students who want to learn advanced skills in Drill and Ceremonies and in Marksmanship. Class members must elect to take part on the Precision Drill Team, the Armed Drill Team, or the Rifle Team. Drill Team members develop precision marching routines, perform exhibitions, and take part in competitions up to national level. Rifle Team members develop marksmanship skills and discipline and compete in local, state, and national tournaments. Both Drill and Rifle have the objective of instilling discipline and esprit de corps in team members. Cadets assume leadership position, practice decision-making processes, analyze and apply new concepts relative to team requirements, and perform personnel management responsibilities. Course members are required to wear their JROTC uniform once each week and must be available for all scheduled team requirements. NOTE: This course will not count for advancement in JROTC academic classes. For example, a student who enrolls in JROTC and Military Skills Applications would next take JROTC II, not JROTC III.

Army JROTC Advanced Military Skills - Honors Course Code: 95015X0A Level: H Credit: 1
Prerequisite: Army JROTC Military Skills Application *and* approval of the JROTC faculty.
AMS cadets are expected to train to become experts in regulation drill, exhibition drill, rifle spinning, and saber spinning. Cadets may be required to participate in practice and events during school hours, after school hours, and weekends/holidays. Cadets will be required to commit hundreds of commands and movements to memory in preparation for drill competitions without error. AMS Cadets will maintain an excellent appearance while in uniform and in the performance of their duties.

AIR FORCE JROTC

Journey into Aviation History I	**Exploration of Space I**	**Management of Cadet Corps I**
Journey into Aviation History II	**Exploration of Space II**	**Management of Cadet Corps II**
Science of Flight I	**Global Perspective I**	
Science of Flight II	**Global Perspective II**	

Journey into Aviation History I Course Code: 95012X03 Level: S Credit: 1
Prerequisite: Frontiers of Aviation History I *and* Instructor Permission
This is a history course designed to acquaint the student with the historical development of flight and the role of the military in history. The course focuses on the social impact of flight from ancient legends to modern developments in aerospace up to World War II.

Military policies, structures, missions and capabilities of other U.S. Military forces are emphasized. Leadership and management, communication skills and time management are emphasized. Wear of the uniform, Air Force customs and courtesies, and military drill and ceremonies are introduced. Students must demonstrate a high degree of personal honor, self-reliance and leadership.

| **Journey into Aviation History II** | **Course Code: 95012X04** | **Level: S** | **Credit: 1** |

Prerequisite: Frontiers of Aviation History I *and* Instructor Permission
This course is a continuation of Frontiers of Aviation History I with the historical development of flight and the role of the military in history from 1939 through the Persian Gulf War. Military policies, command and control functions, and the principles of warfare are introduced. This course continues emphasis on leadership, communication and management skills, and military drill and ceremonies. Cadet Corps training will include base tour/visit and introduction to flight line activities.

| **Science of Flight I** | **Course Code: 95022X01** | **Level: S** | **Credit: 1** |

Prerequisite: Instructor permission
This is a science course designed to acquaint the student with the aerospace environment relative to weather phenomena and aviation, flight physiology, and human limitations of flight. The use of flight simulation, protective equipment, and the aerospace medicine and human engineering fields will be introduced. The leadership portion will stress communication skills and Cadet Corps activities. Techniques for improving research skills through professional reading, creative thinking, and problem solving procedures are emphasized. The basics of flight and squadron drill are also taught.

| **Science of Flight II** | **Course Code: 95022X04** | **Level: S** | **Credit: 1** |

Prerequisite: Science of Flight I *or* Instructor permission
This course is a continuation of Science of Flight I and introduces the laws of motion, physics of flight, principles of flight, and propulsion systems including jet and rocket propulsion and concludes with principles of navigation. Many of the current air frames in use today are also included in this course. The student will learn the basics of map reading, course plotting, wind effect, and cartography. Leadership portion will continue the emphasis started during Science of Flight I.

| **Exploration of Space I** | **Course Code: 95032X03** | **Level: S** | **Credit: 1** |

Prerequisite: Instructor permission
This is a science course which focuses on the "Space Environment" and principles underlying space travel, and various aspects of space exploration. The development, use and future of artificial earth satellites and inter planetary probes are also discussed. Leadership hours continue emphasis on written and oral communication skills and basic management skills. The cadet is expected to demonstrate competence in individual drill and leading a flight or squadron in drill procedures with minimum errors.

| **Exploration of Space II** | **Course Code: 95032X04** | **Level: S** | **Credit: 1** |

Prerequisite: Instructor permission
This course covers "Space Technology" with focus on rocket booster development; space probes, both civilian and military applications; orbits and trajectories; and concludes with "Manned Space Flight" covering our trips to the moon, the development of space stations, the space shuttle, and the advent of "Space Law". Leadership portion continues emphasis on management, communications skills, and career selection and progression.

| **Global Perspective I** | **Course Code: 95042X03** | **Level: S** | **Credit: 1** |

Prerequisite: Instructor permission
This course is aviation geography and introduces the student to the world of geography with an A to Z format which provides for a full range of study about the Earth, its environment, the global ecosystem, and how man affects and is affected by the world around him. The student will learn "location" and "development" of significant geographical data that can be used for business, politics, and recreation. This covers the subjects from "A" through "L". The leadership portion allows the student to use communication, decision-making, personal interaction, and managerial and organizational skills to accomplish the mission of the cadet organization.

| **Global Perspective II** | **Course Code: 95042X04** | **Level: S** | **Credit: 1** |

Prerequisite: Instructor permission
This course is the continuation of aviation geography covering "M" through "Z". The course objectives are the same as for Aviation Geography I except for the leadership portion. The leadership course objectives include developing leadership and management competency through participation, strengthening organizational skills through active incorporation, developing confidence by exercising decision making skills, and applying Air Force standards of discipline and conduct.

| **Management of Cadet Corps I** | **Course Code: 95012X01** | **Level: S** | **Credit: 1** |

Prerequisite: Summer Leadership School *or* Instructor permission
This course introduces the cadet to the principles of management, organizational skills, and interpersonal relationships. These principles are used to organize and govern the cadet Corps, its activities, and its mission goals and accomplishment. The "day-to-day" functioning of the Corps is the focus of this course.

| **Management of Cadet Corps II** | **Course Code: 95022X02** | **Level: S** | **Credit: 1** |

Prerequisite: Management of Cadet Corps I *or* Instructor permission
This course is a continuation of the principles, activities, and duties begun in Management of Cadet Corps I. Increased emphasis is placed on developing Corps goals and using the Air Force metrics to determine attainment of established goals. The "day-to-day" functioning of the Corps is still a main focus for this course.

MATHEMATICS

Foundations of NC Math 1	**NC Math 3**	**Discrete Mathematics for Computer Science**
NC Math 1	**NC Math 3 - H**	**Discrete Mathematics for Computer Science - H**
NC Math 1 - H	**CCRG Math**	**Probability & Statistics - H**
Foundations of NC Math 2	**NC Math 4**	**Introduction to Derivatives - H**
NC Math 2	**NC Math 4 - H**	**Advanced Placement Statistics**
NC Math 2 - H	**Pre-Calculus - H**	**Advanced Placement Calculus AB**

The Future-Ready Core Course of Study requires <u>4 credits</u> in Mathematics.

Foundations of NC Math 1	**Course Code: 20902X0**	**Level: S**	**Credit: 1**

Foundations of NC Math 1 focuses primarily on the study of algebra topics. It is designed for students who need additional preparation before they take NC Math 1. Topics studied include: number sense for real numbers; studying patterns in data using scatter plots and tables; line-of-best fit; relations and functions; linear functions; algebraic order of operations; algebraic properties; and statistics. Appropriate technology, from manipulatives to graphing calculators and applications software, is used regularly for instruction and assessment. ***This course does not satisfy the fourth year math requirement for the public universities in the UNC System. This course does not meet the NC Community College System's Multiple Measures Policy.***

NC Math 1	**Course Code: 21092X0**	**Level: S**	**Credit: 1**

Based on the *NC Standard Course of Study for Mathematics,* NC Math 1 reflects on 6 conceptual categories: number & quantity; algebra; functions; geometry; statistics & probability; and modeling. While all six conceptual categories are addressed, particular emphasis will be given to algebra and functions. Topics covered include: extending the properties of exponents to rational exponents; reasoning quantitatively and using units to solve problems; seeing structure in expressions *(linear expressions, integer exponents, quadratic expressions)*; performing arithmetic operations on polynomials; creating equations *(linear and exponential)*; reasoning with equations and inequalities *(linear and exponential)*; interpreting functions *(linear and exponenti*al); building functions; constructing and comparing linear and exponential models; experimenting with transformations in the plane; expressing geometric properties with equations; explaining volume formulas and using them to solve problems; and interpreting categorical and quantitative data. Graphing calculators will be used to explore various standards. ***At the end of this course, the student will take the NC READY End-of-Course Test for NC Math 1.***

NC Math 1 - Honors	**Course Code: 21095X0**	**Level: H**	**Credit: 1**

NC Math 1 Honors demands a more challenging approach to the study of the 6 conceptual categories identified in the Standard level of NC Math 1. *Students will be given opportunities for advanced work to promote rigorous academic study.* The course requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking and problem-solving, critical analysis, and reflective thinking. Emphasis is also placed on practical applications and modeling. Graphing calculators will be used to explore various objectives. ***At the end of this course, the student will take the NC READY End-of-Course Test for NC Math 1.***

Foundations of NC Math 2	**Course Code: 20912X0**	**Level: S**	**Credit: 1**

Prerequisite: NC Math 1
Foundations of NC Math 2 maintains the study of algebraic concepts and develops the study of geometry topics. It is designed for students who need additional preparation before they take NC Math 2. Topics studied include: linear functions; coordinate geometry; angles; lines; parallel and perpendicular lines; transformations; congruent triangles; similar triangles; and right triangles. Appropriate technology, from manipulatives to graphing calculators and applications software, will be used regularly for instruction and assessment. ***This course does not satisfy the fourth year math requirement for the public universities in the UNC System. This course does not meet the NC Community College System's Multiple Measures Policy.***

NC Math 2	**Course Code: 22092X0**	**Level: S**	**Credit: 1**

Prerequisite: NC Math 1
Based on the *NC Standard Course of Study for Mathematics,* NC Math 2 continues a progression of the standards studied in NC Math 1, reflecting on 6 conceptual categories: number & quantity; algebra; functions; geometry; statistics & probability; and modeling. While all six conceptual categories are addressed, particular emphasis will be given to algebra, functions, and geometry. Topics studied include: extending the properties of exponents to rational exponents; reasoning quantitatively and using units to solve problems,; seeing structure in expressions *(polynomial expressions)*; performing arithmetic operations on polynomials *(add and subtract any polynomial and extend multiplication to as many as 3 linear expressions)*; creating equations *(quadratic and inverse variation functions; common logs and exponential equations; trig equations that involve right triangle trigonometry; compound variation)*; reasoning with equations and inequalities *(factorable quadratics; inverse variation)*; interpreting functions *(quadratic, power, inverse variation, and simple trig functions)*; building functions; congruence *(transformations; rigid motions; proving geometric theorems; making geometric constructions)*; similarity, right triangles, and trigonometry; expressing geometric properties with equations *(derive the equation of the circle using the Pythagorean Theorem)*; geometric measurement and dimension; modeling with geometry; making inferences and justifying conclusions regarding statistical experiments; and conditional probability and the rules of probability *(independence, compound events, uniform probability model)*. Graphing calculators will be used to explore various standards.

NC Math 2 - Honors   Course Code: 22095X0   Level: H   Credit: 1

Prerequisite: NC Math 1
Honors NC Math 2 demands a more challenging approach to the study of the 6 conceptual categories identified in the Standard level of NC Math 2. *Students will be given opportunities for advanced work to promote rigorous academic study.* The course requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking and problem-solving, critical analysis, and reflective thinking. Emphasis is also placed on practical applications and modeling. Graphing calculators will be used to explore various objectives.

NC Math 3   Course Code: 23092X0   Level: S   Credit: 1

Prerequisites: NC Math 1 *and* NC Math 2
Based on the *NC Standard Course of Study for Mathematics,* NC Math 3 continues a progression of the standards studied in NC Math 1 and NC Math 2, reflecting on 6 conceptual categories: number & quantity; algebra; functions; geometry; statistics & probability; and modeling. While all six conceptual categories are addressed, particular emphasis will be given to geometry, algebra, and functions. Topics covered include: the complex number system *(perform arithmetic operations; quadratic equations with complex solutions; Fundamental Theorem of Algebra)*; seeing structure in expressions *(completing the square in a quadratic expression; maximum and minimum values)*; polynomials and rational expressions *(Remainder Theorem)*; creating equations; reasoning with equations and inequalities *(linear, polynomial, rational, absolute value, exponential and logarithmic functions)*; interpreting functions *(function notation; intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; periodicity)*; building functions *(inverse functions)*; linear, quadratic, and exponential models *(relationship between exponential models and logarithms)*; trigonometric functions *(unit circle; periodic phenomena; proving trig identities)*; congruence *(proving geometric theorems – lines & angles, triangles, and parallelograms; constructions)*; similarity, right triangles, and trigonometry; circles *(theorems, arc length, area of sectors)*; expressing geometric properties with equations *(circles and parabolas)*; normal curve distribution; making inferences and justifying conclusions from sample surveys, experiments, and observational studies; and using probability to evaluate outcomes of decisions *(fair decisions; product testing; medical testing, etc.)*. Graphing calculators will be used to explore various standards. **At the end of this course, the student will take the NC READY End-of-Course Test for NC Math 3.**

NC Math 3 - Honors   Course Code: 23095X0   Level: H   Credit: 1

Prerequisites: NC Math 1 *and* NC Math 2
Honors NC Math 3 demands a more challenging approach to the study of the 6 conceptual categories identified in the Standard level of NC Math 3. *Students will be given opportunities for advanced work to promote rigorous academic study*. The course requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking and problem-solving, critical analysis, and reflective thinking. Emphasis is also placed on practical applications and modeling. Graphing calculators will be used to explore various objectives. **At the end of this course, the student will take the NC READY End-of-Course Test for NC Math 3.**

CCRG Math   Course Code: 20132X0   Level: S   Credit: 1

Prerequisites: NC Math 1, NC Math 2, & NC Math 3
The CCRG Math course provides the essential prerequisite knowledge required for freshman level/gateway college math courses, including Pre-Calculus Algebra and Algebra/Trigonometry for high school students who do not meet readiness indicators by their junior year to ensure college readiness prior to high school graduation. Demonstration of mastery of these skills ensure students are prepared for coursework at a North Carolina community college without need for further remediation in mathematics. **The CCRG math course cannot be used as the 4th level math requirement for the public universities in the UNC system, but does meet the graduation requirements for the 4th math course. (Refer to Appendix C for course criteria.)**

NC Math 4   Course Code: 24092X0   Level: S   Credit: 1

Prerequisites: NC Math 1, NC Math 2, & NC Math 3
The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for college level algebra and statistics or as a bridge to prepare students for Precalculus or other advanced math courses.

NC Math 4 - Honors   Course Code: 24095X0   Level: H   Credit: 1

Prerequisites: NC Math 1, NC Math 2, & NC Math 3
The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for college level algebra and statistics or as a bridge to prepare students for Precalculus or other advanced math courses.

Pre-Calculus - Honors   Course Code: 24035X0   Level: H   Credit: 1

Prerequisites: NC Math 1, NC Math 2, & NC Math 3
The purpose of Precalculus is to build upon the study of algebra, functions, and trigonometry experienced in previous high school mathematics courses. This course will build on students' algebraic skills and understanding of functions to delve into real world phenomena and to deepen understanding of the functions in the course. This course is designed for students pursuing careers in STEM-related fields. Students will be prepared for Calculus, AP Calculus and any entry-level college course. **This course will satisfy the fourth year math requirement for the public universities in the UNC system.**

Discrete Mathematics for Computer Science   Course Code: 24012X0   Level: S   Credit: 1
Prerequisites: NC Math 1, NC Math 2, & NC Math 3
The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses. *This course will satisfy the fourth year math requirement for the public universities in the UNC system.*

Discrete Mathematics for Computer Science - Honors   Course Code: 24015X0   Level: H   Credit: 1
Prerequisites: NC Math 1, NC Math 2, & NC Math 3
The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses. *This course will satisfy the fourth year math requirement for the public universities in the UNC system.*

Probability & Statistics - Honors   Course Code: 28005X02   Level: H   Credit: 1 (Elective)
Prerequisites: Advanced Functions & Modeling _or_ Discrete Mathematics _or_ Pre-Calculus.
NOTE: This _elective_ is a recommended Lead-in Course for AP Statistics. It does _not_ count as a math credit for graduation.
Probability & Statistics is an academically rigorous course designed to support the topics that are studied in AP Statistics. The course provides opportunities for students to be involved in a variety of data driven activities. It introduces students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Graphing calculators will be used to explore various objectives. *It is recommended that the student take Probability & Statistics during 1st semester and AP Statistics during 2nd semester.*

Introduction to Derivatives - Honors   Course Code: 28005X01   Level: H   Credit: 1 (Elective)
Prerequisite: Pre-Calculus
NOTE: This _elective_ is a recommended Lead-in Course for AP Calculus AB. It does _not_ count as a math credit for graduation.
Introduction to Derivatives is an academically rigorous course designed to support the topics that are studied in AP Calculus AB. The course will provide opportunities for students to be involved in experiences that apply these concepts of calculus: functions, graphs, limits, and derivatives. Graphing calculators will be used to explore various objectives. *It is recommended that the student take Introduction to Derivatives during 1st semester and AP Calculus AB during 2nd semester.*

Advanced Placement Statistics   Course Code: 2A037X0   Level: AP   Credit: 1
Prerequisite: Probability & Statistics
NOTE: This is a recommended companion course to follow Probability & Statistics.
Advanced Placement Statistics is a rigorous course designed to be the equivalent of a freshman level college course. It introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns and departures from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Students will regularly use 4 conceptual themes: exploring data *(describing patterns and departures from patterns)*; sampling and experimentation *(planning and conducting a study)*; anticipating patterns *(exploring random phenomena using probability and simulation)*; and statistical inference *(estimating population parameters and testing hypotheses).* Appropriate technology, from manipulatives to graphing calculators, will be used regularly for instruction and assessment. The course is taught according to the outline described for AP Statistics by the College Board. *The student will be required to take the AP Statistics Exam. This course will satisfy the fourth year math requirement for the public universities in the UNC system. Please see your school counselor with any further questions.*

Advanced Placement Calculus AB   Course Code: 2A007X0   Level: AP   Credit: 1
Prerequisite: Introduction to Derivatives
NOTE: This is a recommended companion course to follow Introduction to Derivatives.
Advanced Placement Calculus AB is a rigorous course designed to be comparable to calculus courses in colleges and universities. Topics include: Functions, Graphs, and Limits -- *analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions*; Derivatives -- *concept of the derivative, derivative at a point, derivative as a function, second derivatives; applications of derivatives, computation of derivatives*; and Integrals -- *interpretations and properties of definite integrals, applications of integrals, Fundamental Theorem of Calculus, techniques of antidifferentiation, applications of antidifferentiation, numerical approximations of definite integrals.* The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally; connections among these representations are important. It is taught according to the outline described for AP Calculus AB by the College Board. Graphing calculators are used regularly to explore various objectives. *The student will be required to take the AP Calculus AB Exam. This course will satisfy the fourth year math requirement for the public universities in the UNC system. Please see your school counselor with any further questions.*

SCIENCE

Earth/Environmental Science	**Biology II - H**	**AP Chemistry**
Earth/Environmental Science - H	**AP Biology**	**Physics**
AP Environmental Science	**Anatomy & Physiology - H**	**Physics - H**
Physical Science	**Chemistry**	**Physics II - H**
Biology	**Chemistry - H**	**AP Physics C: Mechanics**
Biology - H	**Chemistry II - H**	**AP Physics 1: Algebra-Based**

The Future-Ready Core Course of Study requires <u>3 credits</u> in Science
(Earth/Environmental Science, Biology, and a physical science)

Earth/Environmental Science	**Course Code: 35012X0**	**Level: S**	**Credit: 1**

This course focuses on the function of the earth's systems. Emphasis is placed on matter, energy, crystal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth system. The areas of inquiry include: energy in the earth system; geochemical cycles; origin and evolution of the earth system; origin and evolution of the universe; predictability of a dynamic earth; human interactions with the earth's geologic and environmental systems.

Earth/Environmental Science – Honors	**Course Code: 35015X0**	**Level: H**	**Credit: 1**

The honors level of Earth/Environmental Science is designed for students who desire a more challenging and in-depth study of the function of the earth's systems. Inquiry into the areas identified in the standard level (S) course description is facilitated much more extensively through various lab activities and research opportunities. Units of study on meteorology, astronomy and oceanography are also included as well as exploring Earth's changing dynamics through current events. Units of study on Earth's spheres (biosphere, geosphere, hydrosphere, and atmosphere) are also included. ***The student will be given the opportunity for advanced work to promote rigorous academic study utilizing multiple methods.***

Advanced Placement Environmental Science	**Course Code: 3A027X0**	**Level: AP**	**Credit: 1**

Prerequisite: two semesters of high school laboratory science (one semester life science and one semester physical science)
The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. ***The student will be required to take the AP Environmental Science Exam for high school credit. Please see your school counselor with any further questions.***

Physical Science	**Course Code: 34102X0**	**Level: S**	**Credit: 1**

Recommended Prerequisite: NC Math 1
This course focuses on an introduction to chemistry and physics. Investigations that emphasize the practical application of physical science principles are approached in a quantitative manner, requiring the mathematical skills of the students. The curriculum integrates these topics: structure of atoms; structure and properties of matter; motion and forces; conservation of energy, matter and charge.

Biology	**Course Code: 33202X0**	**Level: S**	**Credit: 1**

Recommended Prerequisite: a physical science
This course focuses on the study of structure and function in living organisms and is designed to encourage the student to make practical, relevant applications of biological concepts to everyday experiences. The student will conduct research and solve problems. The curriculum includes inquiry into these areas: the cell; molecular basis of heredity; interdependence of organisms; matter, energy, and organization in living systems; behavior of organisms. **The student must take the NC Biology End-of-Course Test.**

Biology - Honors	**Course Code: 33205X0**	**Level: H**	**Credit: 1**

Recommended Prerequisite: a physical science
The honors level of Biology is designed for students who desire a more challenging and in-depth study of living things. It emphasizes the study of structure and function in living things from a molecular level up to the organism level. The inquiry into the areas identified in the standard level (S) course description is facilitated much more extensively. The student will develop research skills and will read, interpret, and discuss current research literature. ***The student will be given the opportunity for advanced work to promote rigorous academic study. The student must take the NC Biology End-of-Course Test.***

Biology II - Honors	**Course Code: 33215X0**	**Level: H**	**Credit: 1**

Prerequisites: Biology *and* Chemistry
NOTE: Lead-in Course for AP Biology.
Advanced Biology is an academically rigorous course designed to support the topics studied in AP Biology. The course will provide opportunities for students to be involved in lab activities. Along with AP Biology, Advanced Biology is taught according to the outline described for AP Biology by the College Entrance Examination Board*. **The student will need to take Biology II during 1ˢᵗ semester and AP Biology during 2ⁿᵈ semester.***

Advanced Placement Biology   Course Code: 3A007X0   Level: AP   Credit: 1

Prerequisite: Biology II
NOTE: This is a companion course with Biology II.
Advanced Placement Biology is a rigorous course designed to be the equivalent of a freshman level college course. Topics studied include cells as the structural and functional units of life, cellular processes based on physical and chemical changes, heredity and the role of molecular genetics, biological evolution, unity and diversity of life, and ecological principles. Students will participate in a variety of lab experiences. The course is taught according to the outline described for AP Biology by the College Entrance Examination Board. ***The student will be required to take the AP Biology Exam for high school credit. Please see your school counselor with any further questions.***

Anatomy & Physiology - Honors   Course Code: 33305X0   Level: H   Credit: 1

Prerequisites: Biology *and* Chemistry
This course introduces students to the intricacies of the human body in health and disease. It serves as a forum for the application of basic science concepts to the study of the human body and facilitates the development and enhancement of problem solving/critical thinking skills. Students study major systems of the body, health and nutrition, and disease processes; they explore career opportunities in health care. This course is especially beneficial for students who wish to pursue careers in medicine, dentistry, physical therapy, nursing, and other allied health sciences.

Chemistry   Course Code: 34202X0   Level: S   Credit: 1

Recommended Prerequisite: Enrolled in/completed NC Math 2
This course encourages students to continue their investigations of the structure of matter along with chemical reactions and the conservation of energy in these reactions. Inquiry is applied to the study of the transformation, composition, structure, and properties of substances. The course focuses on basic chemical concepts and incorporates activities that promote investigations to reinforce the concepts. Inquiry in the following content areas is included: structure of atoms; structure and properties of matter; chemical reactions; conservation of energy and matter; interaction of energy and matter.

Chemistry - Honors   Course Code: 34205X0   Level: H   Credit: 1

Recommended Prerequisite: Enrolled in/completed NC Math 2
The honors level of Chemistry is a more rigorous chemistry course requiring additional mathematical experience and a greater commitment from the student. The course provides extensions of the content areas described in the standard level (S) course description. This course is structured and designed for students with strong interests in math and science.

Chemistry II - Honors   Course Code: 34215X0   Level: H   Credit: 1

Prerequisites: Chemistry *and* NC Math 2
NOTE: Enrollment in an advanced level math course is recommended. This is a Lead-in Course for AP Chemistry.
Advanced Chemistry is an academically rigorous course designed to support the topics studied in AP Chemistry. Math skills in algebra are needed. Along with AP Chemistry, Advanced Chemistry is taught according to the outline described for AP Chemistry by the College Entrance Examination Board. ***The student will need to take Chemistry II during the 1st semester and AP Chemistry during the 2nd semester.***

Advanced Placement Chemistry   Course Code: 3A017X0   Level: AP   Credit: 1

Prerequisite: Chemistry II
NOTE: This is a companion course with Chemistry II.
Advanced Placement Chemistry is a rigorous course designed to be the equivalent of a freshman level college chemistry course. The course is taught according to the outline described for AP Chemistry by the College Entrance Examination Board. ***The student will be required to take the AP Chemistry Exam for high school credit. Please see your school counselor with any further questions.***

Physics   Course Code: 34302X0   Level: S   Credit: 1

Recommended Prerequisite: NC Math 2
Physics, the most fundamental of the natural sciences, is quantitative in nature and uses the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction. The following topics are studied: conservation of mass and energy; conservation of momentum; waves; fields; interactions of matter and energy. Lab activities and teacher demonstrations are an integral part of the course.

Physics – Honors   Course Code: 34305X0   Level: H   Credit: 1

Recommended Prerequisite: Enrolled in/completed Advanced Functions & Modeling *or* Pre-Calculus
The honors level of Physics is a more challenging physics course, requiring additional mathematical experience and a greater commitment from the student. The advanced course focuses on matter and energy and their interactions in the fields of mechanics, waves, thermodynamics, magnetism, electricity, nuclear phenomena, equilibrium of bodies, optical instruments, and communication systems (contains topics of study described in the standard level (S) course description plus others). The course emphasizes problem-solving skills. ***The student will be given the opportunity for advanced work to promote rigorous academic study.***

Physics II - Honors   Course Code: 34315X0   Level: H   Credit: 1

Prerequisites: Physics *and* enrolled in/completed Pre-Calculus
NOTE: Lead-in Course for AP Physics B.
Advanced Physics is an academically rigorous course designed to support the topics studied in AP Physics B. A strong math background is needed since algebra and trigonometry will be used. The course will provide opportunities for students to be involved in lab activities. Along with AP Physics B, Advanced Physics is taught according to the outline described for AP Physics B by the College Entrance Examination Board. ***The student will need to take Physics II during 1st semester and AP Physics B during 2nd semester.***

Advanced Placement Physics C: Mechanics   Course Code: 3A047X0   Level: AP   Credit: 1

Prerequisites: Physics H *and* Introduction to Derivatives H
One semester follow-up course to Physics-Honors which provides instruction in advanced topics of each of the following areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. This course includes a hands-on laboratory comparable to a semester-long introductory college-level physics laboratory. This course uses calculus as a tool to solve problems; therefore students should have completed Introduction to Derivatives-Honors in the fall prior to starting this course in the spring. ***The student will be required to take the AP Physics C Exam.   Please see your school counselor with any further questions.***

Advanced Placement Physics 1: Algebra-Based   Course Code: 3A057X0   Level: AP   Credit: 1

Prerequisites: Physics - Honors
AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. ***The student will be required to take the AP Physics 1 Exam. Please see your school counselor with any further questions.***

SOCIAL STUDIES

World History	**Advanced Placement European History**
World History - H	**Advanced Placement US Government and Politics**
Advanced Placement World History: Modern	**Advanced Placement United States History**
American History: The Founding Principles, Civics & Economics	**Contemporary Law and Justice**
American History: The Founding Principles, Civics & Economics - H	**Sociology**
American History I	**Psychology – H**
American History I - H	**Advanced Placement Psychology**
American History II	
American History II - H	

The Future-Ready Core Course of Study requires <u>4 credits</u> in Social Studies
(World History; American History: The Founding Principles, Civics & Economics;
American History I; and American History II)

Note: A student can take AP US History and an additional social studies course rather than the American History I & II sequence to obtain 2 of the required 4 Social Studies credits.

World History   Course Code: 43032X0   Level: S   Credit: 1

World History is usually taken in the 9th grade. Based on the *NC Standard Course of Study for Social Studies*, this course addresses 6 time periods in the study of World History. The period from the mid-5th century to present will be a key focus of study. Students will study major turning points that have shaped the modern world. They will broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, technology, etc. The desired outcome of this course is that students develop relevant enduring understandings of current world issues and relate them to their historical, political, economic, geographical, and cultural contexts. ***World History is a requirement for graduation***.

World History - Honors   Course Code: 43035X0   Level: H   Credit: 1

This course is usually taken in the 9th grade. Honors World History provides the opportunity for advanced work, rigorous study, and systematic study of major ideas and concepts found in the study of global history. The course is challenging and requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking, problem-solving, creativity, critical analysis and application, and reflective thinking. The course covers the same *NC Standards* that have been identified in the Standard level of the course but in greater complexity and acceleration or pacing. ***World History is a requirement for graduation***.

Advanced Placement World History: Modern - AP   Course Code: 4A097X0   Level: AP   Credit: 1

The AP World History: Modern course will begin in 1200 CE, and will be taught for the first time in the 2019-2020 school year. This course will begin with a study of the civilizations in Africa, the Americas, and Asia that are foundational to the modern era. The course will cover human history from 1200 CE to modern times. ***AP World History: Modern will fulfill the world history graduation requirement.***

American History: The Founding Principles, Civics & Economics **Course Code: 42092X0** **Level: S** **Credit: 1**

Prerequisite: World History

This course is usually taken in the 10th grade. Based on the *NC Standard Course of Study for Social Studies,* American History: The Founding Principles, Civics, and Economics provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, and basic concepts of American politics and citizenship; also, it focuses on concepts in macro- and micro- economics and personal finance. Students will acquire the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. *American History: The Founding Principles, Civics, and Economics is a requirement for graduation.*

American History: The Founding Principles, Civics & Economics - Honors **Course Code: 42095X0** **Level: H** **Credit: 1**

Prerequisite: World History

This course is usually taken in the 10th grade. Honors American History: The Founding Principles, Civics, and Economics demands a more challenging approach to the study of the principles of our economic, legal, and political systems. The course covers the same *NC Standards* that have been identified in the Standard level of the course but in greater complexity and acceleration or pacing. The course is challenging and requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking, problem-solving, creativity, critical analysis and application, and reflective thinking. Students will learn to express and defend their ideas. They will be given opportunities for advanced work to promote rigorous academic study. *America History: The Founding Principles, Civics, and Economics is a requirement for graduation.*

American History I **Course Code: 43042X0** **Level: S** **Credit: 1**

Prerequisites: World History *and* American History: The Founding Principles, Civics & Economics

American History I is usually taken in the 11th grade. Based on the *NC Standard Course of Study for Social Studies,* the course is the first of two required courses in American History; it begins with the European exploration of the new world through 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. They 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 and growth of sectional conflict, the Civil War, and the consequences of the Civil War, including Reconstruction. *American History I is a requirement for graduation.*

American History I - Honors **Course Code: 43045X0** **Level: H** **Credit: 1**

Prerequisites: World History *and* American History: The Founding Principles, Civics & Economics

This course is usually taken in the 11th grade. The honors level of American History I demands a more challenging approach to the study of the principles that contributed to the development of colonial America. The course covers the same *NC Standards* that have been identified in the Standard level of the course but in greater complexity and acceleration or pacing. The course is challenging and requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking, problem-solving, creativity, critical analysis and application, and reflective thinking. Students will learn to express and defend their ideas. They will be given opportunities for advanced work to promote rigorous academic study. *American History I is a requirement for graduation.*

American History II **Course Code: 43052X0** **Level: S** **Credit: 1**

Prerequisite: American History I

American History II is the second of two United States History courses required at the high school level. Based on the *NC Standard Course of Study for Social Studies,* the course focuses on the history of the United States from the late 19th century time period through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. 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. The essential standards of this course have been designed to provide a framework for studying political, social, economic, and cultural issues, and for analyzing the impact these issues have had on American society over time. *American History II is a requirement for graduation.*

American History II - Honors **Course Code: 43055X0** **Level: H** **Credit: 1**

Prerequisite: American History I

The honors level of American History II demands a more challenging approach to the study of the history of the United States from the late 19th century time period through the early 21st century. The course covers the same *NC Standards* that have been identified in the Standard level of the course but in greater complexity and acceleration or pacing. The course is challenging and requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking, problem-solving, creativity, critical analysis and application, and reflective thinking. Students will learn to express and defend their ideas. They will be given opportunities for advanced work to promote rigorous academic study. *American History II is a requirement for graduation.*

Advanced Placement European History - AP **Course Code: 4A017X0** **Level: AP** **Credit: 1 (Elective)**

Prerequisite: Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. Students will investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore in order to make connections among historical developments in different times and places; interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity.

Advanced Placement US Government and Politics - AP   **Course Code: 4A067X0**   **Level: AP**   **Credit: 1 (Elective)**

Prerequisites: American History II - Honors *and* American History: The Founding Principles, Civics & Economics - Honors
AP Government and Politics is designed to be the equivalent of a freshman level college course. This course focuses on the structure and function of the American government under law; it will give students an analytical perspective on government and politics in the United States. Topics include: 1) Constitutional Underpinnings of the United States Government; 2) Political Beliefs and Behaviors; 3) Political Parties, Interest Groups, and Mass Media; 4) Institutions of National Government; 5) Public Policy; 6) Civil Rights and Civil Liberties. The course is taught according to the outline described for AP Government and Politics by the College Board. ***The student will be required to take the AP US Government & Politics Exam. Please see your school counselor with any further questions.***

Advanced Placement United States History - AP   **Course Code: 4A077X0**   **Level: AP**   **Credit: 1**

Prerequisites: World History-Honors *and* American History: The Founding Principles, Civics & Economics-Honors
Advanced Placement US History is designed to be the equivalent of a freshman level college course. The course is an in-depth study of political, economic, social, and cultural issues and their impact on American society. The framework is from the 1490s to the present. Students are required to read supplemental materials and write analytical essays, such as responses to DBQs (Document Based Questions). Responses to DBQs and long essay questions will require the student to develop a thesis or argument and support it by an analysis of specific, relevant historical evidence. Students will use 4 historical thinking skills as they learn about the past: <u>chronological reasoning</u> *(historical causation; patterns of continuity and change over time; periodization)*; <u>comparison and contextualization</u> *(comparison; contextualization)*; <u>crafting historical arguments from historical evidence</u> *(historical argumentation; appropriate use of relevant historical evidence)*; <u>historical interpretation and synthesis</u> *(interpretation, synthesis)*. The content learning objectives are organized under 7 themes: Identity; Work, exchange, and technology; Peopling; Politics and power; America in the world; Environment and geography – physical and human; and Ideas, beliefs, and culture. These 7 themes focus student understanding of major historical issues and developments, helping students to recognize broad trends and processes that have emerged over centuries in what has become the United States. The course is taught according to the outline described for AP US History by the College Board. ***The student will be required to take the AP US History Exam.   Please see your school counselor with any further questions.***

Contemporary Law and Justice   **Course Code: 48012X01**   **Level: S**   **Credit: 1 (Elective)**

NOTE: A helpful elective before taking either World History or American History: The Founding Principles, Civics & Economics.
Contemporary Law and Justice, an elective course, is a practical study in the legal, judicial, law enforcement, and correctional systems of the United States. Students focus on legal principles and the laws and procedures derived from them. They examine relevant examples of civil and criminal laws, law-enforcement methods, court procedures, and corrective justice. They have opportunities to examine problems within the legal and justice systems. Contemporary Law and Justice should provide opportunities for students to acquire information through activities such as direct observation of local courts and law enforcement practices and interviews with local and state officials. Other key areas of importance for students are civic participation and the utilization of state and local resources.

Sociology   **Course Code: 44002X0**   **Level: S**   **Credit: 1 (Elective)**

Prerequisite: American History II
Sociology, an elective course, is the systematic study of human society and human interaction. Students will develop a sociological perspective that will enable them to observe the connections between their personal lives within society, as well as public policy issues. Using observation, the scientific method, and cross-cultural examination, students will discover how patterns of behavior develop, culture is learned, and social predictions are made. Based on the *2010 NC Standard Course of Study for Social Studies,* course goals include: 1) History: understand the discipline of sociology using various theoretical perspectives and research methods; 2) Culture: understand how culture and its diversity sustain humanity; understand how socialization regulates individual behavior; analyze human behavior in terms of conformity and deviance; analyze human relationships in terms of inequality and stratification; and analyze the changing nature of society and the collective responses to change. Students will be able to use knowledge gained from research on socialization, human behavior, and human relationships to manage daily problems and improve the quality of life.

Psychology - Honors   **Course Code: 44035X0**   **Level: H**   **Credit: 1 (Elective)**

Prerequisite: American History II
This honors level of Psychology demands a more challenging approach to the scientific study of human development, learning, motivation, and personality. This elective course covers the same *NC Standards* that have been identified in the Standards level of the course, but in greater complexity and acceleration or pacing. The course is challenging and requires students to take greater responsibility for their learning by participating in activities that promote problem-seeking problem-solving, creativity, critical analysis and application, and reflective thinking. Students will learn to express and defend their ideas. They will be given opportunities for advanced work to promote rigorous academic study.

Advanced Placement Psychology - AP   **Course Code: 4A057X0**   **Level: AP**   **Credit: 1 (Elective)**

Prerequisite: American History II
This Advanced Placement course explores the ideas, theories, and methods of the scientific study of behavior and mental processes. Students examine the concepts of psychology through reading and discussion, and analyze data from psychological research studies. Topics include biological bases of behavior, motivation, emotion, personality, clinical psychology, social psychology, and more. ***This course may be used as a social studies credit when paired with AP US History.***

SPECIAL EDUCATION (Occupational Course of Study)

Introduction to Mathematics I	**American History I**	**Preparation I**
NC Math 1 (B)	**American History II**	**Preparation II**
Financial Management	**English I B**	**Preparation III**
Applied Science	**English II B**	**Preparation IV**
Biology B	**English III B**	
American History: The Founding Principles, Civics & Economics	**English IV B**	

The Occupational Course of Study requires <u>3 credits</u> in Mathematics.

Introduction to Mathematics I **Course Code: 9220BX0** **Level: EC** **Credit: 1**

Prerequisite: IEP *and* enrolled in Occupational Course of Study

Introduction to Mathematics I consists of standards and objectives that have been identified in the NC Standard Course of Study for the Occupational Course of Study. Students will study: 1) number and operations: rational numbers, ratios, proportions, percentages; 2) geometry: 2- and 3- dimensional figures; 3) measurement: clock time, calendar time, length, capacity, weight, temperature; 4) algebra: properties, equations, inequalities, patterns, linear relationships; and 5) statistics and probability: data, graphical displays, measures of center, range. Students will study these standards and objectives using technology, hands-on activities, and cooperative learning.

NC Math 1 (B) **Course Code: 9225BX0** **Level: EC** **Credit: 1**

Prerequisites: IEP *and* enrolled in Occupational Course of Study *and* already taken Introduction to Mathematics I

Based on the *NC Standard Course of Study for Mathematics,* NC Math 1 reflects on the conceptual categories: number and quantity; algebra; functions; geometry; statistics and probability; and modeling. While all six conceptual categories are addressed, particular emphasis will be given to algebra and functions. Topics covered include: extending the properties of exponents to rational exponents; reasoning quantitatively and using units to solve problems; seeing structure in expressions; performing arithmetic operations on polynomials; creating equations; reasoning with equations and inequalities; interpreting functions; building functions; constructing and comparing linear and exponential models; experimenting with transformations in the plane; expressing geometric properties with equations; explaining volume formulas and using them to solve problems; and interpreting categorical and quantitative data. Graphing calculators will be used to explore various standards*. **NC Math 1 should be taken before the end of a student's 10th grade year. At the end of this course, the student will take the NC READY End-of-Course Test for NC Math 1.***

Financial Management **Course Code: 9222BX0** **Level: EC** **Credit: 1**

Prerequisites: IEP *and* enrolled in Occupational Course of Study *and* already taken NC Math 1

Financial Management consists of standards and objectives that have been identified in *NC Standard Course of Study for the Occupational Course of Study*. Students will study various aspects of personal financial management: personal financial planning, income, expenses, budget, financial institutions, checking account, savings account, credit cards, debit cards, state and federal taxes, wages and compensation, insurance, consumer spending. Students will study these standards and objectives using technology, hands-on activities, and cooperative learning. Students may have opportunities to demonstrate application of these skills in the community and in places of employment.

The Occupational Course of Study requires <u>2 credits</u> in Science.

Applied Science **Course Code: 9231BX0** **Level: EC** **Credit: 1**

Prerequisite: IEP *and* Occupational Course of Study

Students in Applied Science will understand forces and motion, energy and its' conservations, electricity and magnetism, properties of matter, the uses and dangers of common chemicals, the environment, and the body's basic needs and control systems.

Biology B **Course Code: 9232BX0** **Level: EC** **Credit: 1**

Prerequisite: IEP *and* Applied Science

Students in Biology will understand the structure and functions of living organisms, ecosystems, evolution and genetics, and molecular biology. ***Students will be required to take the Biology End-of-Course Test.***

The Occupational Course of Study requires <u>2 credits</u> in Social Studies.

American History: The Founding Principles, Civics & Economics **Course Code: 9249BX0** **Level: EC** **Credit: 1**

Prerequisites: IEP and Occupational Course of Study

Based on the *NC Standard Course of Study for Social Studies,* American History: The Founding Principles, Civics, and Economics provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, and basic concepts of American politics and citizenship; also, it focuses on concepts in macro- and micro-economics and personal finance. Students will acquire the skills and knowledge necessary to become responsible and effective citizens in an interdependent world.

American History I Course Code: 9247BX0 Level: EC Credit: 1
Prerequisite: IEP and Occupational Course of Study
Based on the *NC Standard Course of Study*, the course is the first of two required courses in American History; it begins with the European exploration of the new world through 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. They 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, the Civil War, and the consequences of the Civil War, including Reconstruction.

American History II Course Code: 9248BX0 Level: EC Credit: 1
Prerequisites: IEP and American History I
American History II is the second of two United States History courses required at the high school level. Based on the *NC Standard Course of Study*, the course focuses on the history of the United States from the late 19th century time period through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times. 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. The essential standards of this course have been designed to provide a framework for studying political, social, economic, and cultural issues, and for analyzing the impact these issues have had on American society over time.

The Occupational Course of Study requires <u>4 credits</u> in English.

English I B Course Code: 9210BX0 Level: EC Credit: 1
Prerequisite: IEP/Occupational Course of Study
Students in English I will express reflections and reactions to print and non-print text and personal experiences. They will demonstrate understanding of various literary genres, concepts, and elements. They will apply conventions of grammar and language.

English II B Course Code: 9211BX0 Level: EC Credit: 1
Prerequisite: IEP *and* English I B
Students in English II will express reflections and reactions to print and non-print text and personal experiences. They will demonstrate understanding of various literary genres, concepts, and elements. They will apply conventions of grammar and language usage. ***The student will be required to take the NCExtend2 English II End-of-Course Test at the completion of this course.***

English III B Course Code: 9212BX0 Level: EC Credit: 1
Prerequisite: IEP *and* English II B
Students in English III will apply reading and comprehension strategies to literary and informational texts. They will create written products using a template or form. They will use appropriate communication skills, and critique informational products for use in employment, post-secondary education/training, and independent living domains. They will apply knowledge of cause and effect relationships and carry out a problem-solving process as it relates to personal life situations.

English IV B Course Code: 9213BX0 Level: EC Credit: 1
Prerequisite: IEP *and* English III B
Students in English IV will apply information from informational and literary texts to carry out adult living tasks and activities. They will apply reading comprehension strategies to informational texts found in employment, post-secondary education/training, and independent living domains. They will construct written products without reliance on templates and/or forms. They will produce plans to solve problems that occur in various domains of adult life.

The Occupational Course of Study requires <u>6 credits</u> in Occupational Preparation.

Preparation I Course Code: 9240BX0 Credit: 1
This course is designed to introduce students to the fundamental 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 preparation for completion of the 150 hours of required school-based training) including work ethic development, job-seeking skills, decision-making skills, and self-management. To address the requirement for 150 hours of school-based training, students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training 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.

Preparation II Course Code: 9241BX0 Credit: 2
This course is designed to allow students to develop skills generic to all career majors; resource management, communication, interpersonal relationships, technology, stamina, endurance, safety, mobility skills, motor skills, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management, and self-management. 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. Work-based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. Through these activities students will begin working on the required 225 hours of community-based training. Job seeking skills also will be refined.

Preparation III   **Course Code: 9242BX0**   **Credit: 2**

This course is designed to allow students to continue the development and begin the application of skills learned in Occupational Preparation I and II. Work-based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. Through these activities students will complete the required 225 hours of community-based training. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Students may begin working on the 225 hours of competitive employment required for completion of the Occupational Course of Study. Multiple opportunities for leadership development and self-determination are provided. Preparation III – LAB will provide off-campus community training activities that are necessary for student to get course credit.

Preparation IV   **Course Code: 9243BX0**   **Credit: 1**

This course gives students the opportunity to synthesize all the skills acquired in previous Occupational Preparation courses and apply them to their personal career choice. 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 225 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. Preparation IV – LAB will provide off-campus work experience that is necessary for student to get course credit.

SPECIAL INTEREST CLASSES

Leadership Development & Mentoring	Library Studies I	Library Studies II

Leadership Development & Mentoring   **Course Code: 96102X06**   **Level: H**   **Credit: 1**

This course is open to seniors through an application process. Students must have good attendance, good discipline record, and good references from a variety of sources. Students will be required to attend a retreat prior to the beginning of school and will continue to serve as mentors throughout the entire school year. This is a unique service learning opportunity designed to enhance character and leadership skills, including decision-making, problem solving, goal setting, teamwork, negotiation, refusal, group facilitation, giving and receiving feedback, active listening, time management, and self-assessment skills. Students will work to further realize their own potential for leadership and serve as mentors for incoming freshmen.

Library Studies/Educational Technologies I   **Course Code: 96112X01**   **Level: S**   **Credit: 1**
Prerequisite: Junior/Senior and Media Coordinator Approval
This specialized course allows the student to develop basic competencies in library/media services, basic telecommunication skills, and basic research skills. **There is limited enrollment, and instructor approval is required.**

Library Studies/Educational Technologies II   **Course Code: 96112X02**   **Level: S**   **Credit: 1**
Prerequisite: Library Studies I and Media Coordinator Approval
This specialized course allows the student to develop advanced competencies in library/media services and telecommunications/research skills. **There is limited enrollment, and instructor approval is required.**

WORLD LANGUAGES/ENGLISH AS A SECOND LANGUAGE

French I	Spanish II	English as a Second Language Beginning
French II	Spanish III - H	English as a Second Language Intermediate
French III - H	Spanish IV - H	English as a Second Language Advanced
French IV - H	Spanish Heritage I	
Spanish I	Spanish Heritage II - H	

Recommendation: Students should take second language courses in consecutive semesters. College-bound students must take at least two levels of the same foreign language. It is recommended that students enroll in their foreign language courses as close to the junior year as possible.

French I   **Course Code: 11012X0**   **Level: S**   **Credit: 1**

The first level of the foreign language consists of the study of language, literature, composition and culture. The skills of reading, writing, listening, speaking, and comprehending begin. Included is the study of basic grammar, spelling, vocabulary, and speech sounds. Study of the life and customs of the people fosters the knowledge of a culture other than one's own and, in turn, a development of attitudes which may lead to a better understanding and appreciation of other people.

French II   **Course Code: 11022X0**   **Level: S**   **Credit: 1**

Prerequisite: French I

The second level of the foreign language continues and expands the study that began in French I. Further emphasis is placed on the skills of reading, writing, listening, speaking, and comprehending. More advance grammatical structures are studied and the student develops a more extensive active and passive vocabulary. Further study of the life and customs of the people leads to a better understanding and appreciation of another culture.

French III - Honors   **Course Code: 11035X0**   **Level: H**   **Credit: 1**

Prerequisite: French II

This course allows the student to continue to develop the linguistic skills and grammar usage introduced and reviewed in *French I and II*. Language skills become more complex as vocabulary and idioms are broadened. Daily oral communication in French is required. The study of French culture continues through exploring French literature.

French IV - Honors   **Course Code: 11045X0**   **Level: H**   **Credit: 1**

Prerequisite: French III

This course is designed to integrate and extend knowledge and skills mastered in French I, II and III. Competency in the communicative processes is required. Increased knowledge and appreciation of the literature and culture of the French people are emphasized through the reading and discussing of selections in newspapers and magazines and classical and contemporary literature. French is the means of communication in the class. The student who successfully completes the course may elect to take the AP French exam for placement and/or credit in a participating college/university.

Spanish I   **Course Code: 11412X0**   **Level: S**   **Credit: 1**

NOTE: A student may take Spanish I in Grade 8 and be given high school credit if the final grade is a "B" or better.

This course focuses on the development of the linguistic skills and grammar usage with emphasis placed on speaking, reading, and writing Spanish. Language structures become more complex as the knowledge of vocabulary and idioms are broadened. Spanish culture is studied through various forms of printed materials and visual and audio media.

Spanish II   **Course Code: 11422X0**   **Level: S**   **Credit: 1**

Prerequisite: Spanish I

This course emphasized the refinement of the communicative process. Vocabulary, spelling, grammar, and mechanics are stressed. Study of the culture of the Spanish speaking areas of the world continues.

Spanish III - Honors   **Course Code: 11435X0**   **Level: H**   **Credit: 1**

Prerequisite: Spanish II

This course focuses on the integration of the communicative processes and the broadening of vocabulary. Daily oral communication in Spanish is required. The study of the Spanish culture continues through various types of printed materials and visual and audio media.

Spanish IV - Honors   **Course Code: 11445X0**   **Level: H**   **Credit: 1**

Prerequisite: Spanish III

This course is designed for the student who has a reasonable proficiency in listening comprehension, speaking, reading, and writing the language. Focus is placed on formal and informal Spanish, composing expository passages, and reading comprehension. The student will engage in intensive and extensive study of Spanish culture and literature. Spanish is the means of communication in the class. The student who successfully completes the course may elect to take the AP Spanish exam for placement and/or credit in a participating college/university.

Spanish Heritage I   **Course Code: 11492X0**   **Level: S**   **Credit: 1**

Prerequisite: Must be a native Spanish speaker
This course is designed specifically for native/heritage speakers of Spanish who already have some oral language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in Spanish. The course will provide the opportunity to listen, speak, read, and write Spanish in a variety of contexts and for a variety of audiences including family, school, and the immediate community. The course will allow students to explore the cultures of the Hispanic world including their own and will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

Spanish Heritage II - Honors   **Course Code: 11505X0**   **Level: H**   **Credit: 1**

Prerequisite: Spanish Heritage I
The purpose of this course is to enable students to continue developing, maintaining, and enhancing proficiency in Spanish by providing the opportunity to listen, speak, read, and write in a variety of contexts and for a variety of audiences extending beyond the family, school, and the immediate community. The course will allow students to explore the cultures of the Hispanic world in greater depth as well as a heritage of literature.

English as a Second Language - Beginning   **Course Code: 10382X01**   **Level: S**   **Credit: 1**

Prerequisite: WAPT/ACCESS Testing for ESL placement
This course focuses on the development of linguistic skills and grammar usage with emphasis on speaking, reading, and writing the English language for those students with limited English proficiency. Each non-English speaking student is required to take this course. As students learn a second language at varying rates, each student will move through the different ESL courses as he demonstrates proficiency at each level. The ACCESS proficiency test will be administered at the end of the course.

English as a Second Language - Intermediate   **Course Code: 10382X02**   **Level: S**   **Credit: 1**

Prerequisite: WAPT/ACCESS Testing for ESL placement
This course emphasizes the refinement of the communicative process. Vocabulary, spelling, grammar, and mechanics are stressed. Study of the American culture continues. The student also works in a language laboratory situation. The ACCESS proficiency test will be administered at the end of the course.

English as a Second Language - Advanced   **Course Code: 10382X03**   **Level: S**   **Credit: 1**

Prerequisite: WAPT/ACCESS Testing for ESL placement
This course focuses on the integration of the communicative processes and the broadening of the vocabulary. Daily oral communication in English is required. Laboratory studies continue. The study of the American culture continues through various types of media. Once the advanced student scores 4.8 Expanding/Bridging on the language proficiency test, ACCESS, he/she will be exited from the program.

TOEFL (Test of English as a Foreign Language): The TOEFL evaluates the English proficiency of people whose native language is not English. It consists of comprehension, structure and written expression, vocabulary, and reading comprehension sections*. **For more information and to verify test dates, visit www.ets.org/toefl.**

Appendix A

Grade Level Check List

9th Grade:

- ☐ Get to know your school counselor.
- ☐ Check college admissions requirements. Plan a college preparatory course schedule for all four years of high school.
- ☐ Plan ahead for courses that require prerequisites.
- ☐ Select challenging courses. Your weighted GPA/class rank is affected by course levels.
- ☐ Become involved in school and community activities.
- ☐ Create/update a student account at www.cfnc.org.
- ☐ Recognize that class rank, weighted and unweighted GPA, and grade point average (GPA) are calculated beginning in 9th grade and are based on final grades in all courses attempted.
- ☐ Participate in extracurricular and community activities. Colleges are looking for students who have achieved in more than academics.

10th Grade:

- ☐ Consider taking the PSAT (preliminary SAT). This test is given only in October.
- ☐ Take the PACT (preliminary ACT) at your school. This test measures college readiness and career potential; it is administered to all 10th graders in NC in October.
- ☐ Select challenging courses which will maintain your class rank/GPA. Take the hardest courses in areas where you excel; investigate Honors and Advanced Placement (AP) courses.
- ☐ Investigate college course requirements. Check out college-based experience programs.
- ☐ Plan an interesting summer, possibly participating in a challenging summer enrichment program or a community activity.
- ☐ Update your CFNC account and explore its valuable career and college tools.

11th Grade:

- ☐ Attend "College Day" at your high school's designated location.
- ☐ Consider taking the PSAT/National Merit Scholarship Qualifying Test (NMSQT). National Merit Scholarship semifinalists are selected from only 11th grade students who take this test in the eleventh grade. This test is given only in October.
- ☐ Take the ASVAB in the Fall Semester if interested in a career in the Military.
- ☐ Take the ACT during the school day administration at your high school (March).
- ☐ Ask your parents to check on scholarship programs that may be offered through their employers.
- ☐ At mid-year, begin to investigate specific college possibilities.
- ☐ Sign up to talk with visiting college representatives.
- ☐ Check college websites for specific entrance requirements (courses, tests, dates).
- ☐ Attend a Financial Aid Workshop held in your area.
- ☐ Take the SAT or ACT in May or June, including subject tests if required by a college you are considering. Get registration materials from the School Counseling Office or register online at sat.collegeboard.org and/or actstudent.org.
- ☐ Spring and summer are the times to visit college admissions offices. Email or call ahead for an appointment, and ask about financial aid and scholarships.
- ☐ Update your CFNC account and explore its valuable career and college tools.

12th Grade:

- ☐ Update your CFNC account and explore its valuable career and college tools.
- ☐ Prior to the start of school, update your high school resume to include extracurricular activities, sports, community service, leadership positions, honors/awards, and employment experience. Be prepared to give your resume to individuals whom you are asking to write letters of recommendation.
- ☐ Continue investigating various school options in the fall; become familiar with deadlines.
- ☐ Take the SAT or ACT in October or November. Take SAT Subject Tests, if required.
- ☐ Try to arrange college visits on teacher work days or holidays.
- ☐ Attend "College Day" at your high school's designated location. Talk with college representatives.
- ☐ In October, begin completing the Free Application for Federal Student Aid (FAFSA) online at FAFSA.ed.gov. For help with the application, attend FAFSA Day.
- ☐ Attend a Financial Aid Workshop held in your area, if you anticipate applying for financial aid.
- ☐ Narrow your choice of colleges. The general recommendation is to apply to at least three.
- ☐ Complete college applications by designated deadlines. Late January to mid-February is the application deadline for most colleges, but students waiting until then may encounter full programs, full dorms, etc.
- ☐ Complete the NC Residency Determination Service at *ncresidency.cfnc.org*.
- ☐ Send mid-year grades to colleges, if requested.
- ☐ If you are accepted at more than one school, make the final decision on the college you will attend, and send your acceptance. Notify the other schools that you will be going elsewhere.
- ☐ Take math through the senior year.
- ☐ Lay the groundwork for recommendations early.
- ☐ Request that your final transcript be sent to the college.

Appendix B

WAYNE COUNTY PUBLIC SCHOOLS
Future Ready Core 4-Year Graduation Plan

Name: (Last) _____ (First) _____ (Middle) _____   Student #:_____   Grade 9 Entry Date: _____

HS Counselor: _____   Plan after graduation: ___ Work   ___ Military   ___ 2-yr.Comm College/ Transfer   ___ 4-yr. College/ Univ

Content Area Requirements (minimums noted)	8th Grade 20__ - 20__ (if applicable)	9th Grade 20__ - 20__ School: _____	10th Grade 20__ - 20__ School: _____	11th Grade 20__ - 20__ School: _____	12th Grade 20__ - 20__ School: _____	Credits Earned
English (4 Credits)						
Math (4 Credits)						
Science (3 Credits)						
Social Studies (4 Credits)						
Health & PE (1 Credit) [Including cardiopulmonary resuscitation (CPR) instruction]						
Economics & Personal Finance (1 credit) entering 9th Grade in 2020 or after						
Electives (Including Foreign Language for college-bound students) *11 or 12 Credits: (depending on school year entering 9th grade)						
Total Credits Earned Per Year	___ out of ___	___ out of ___	___ out of ___	___ out of ___	___ out of ___	TOTAL= 28

WAYNE COUNTY PUBLIC SCHOOLS
Occupational Prep Course of Study
(for specifically identified students with an Individualized Education Plan)

Name: _____, _____ _____   Student #: _____   Counselor: _____
(Last)   (First)   (Middle)

Content Area Requirements	9th Grade	10th Grade	11th Grade	12th Grade	Credits Earned
English (4 Credits) OCS English I, II, III, IV					
Math (3 Credits) OCS Intro to Math OCS Math I Financial Management or Personal Finance					
Science (2 Credits) OCS Applied Science OCS Biology					
Social Studies (2 Credits) American History: The Founding Principles, Civics, and Economics AND OCS American History I OR OCS American History II					
Health & Physical Education (1 Credit) [Including cardiopulmonary resuscitation (CPR) instruction]					
Career Requirements (4 Credits) Career & Technical Education Electives					
Occupational Prep Requirements: (6 Credits) OCS Preparation I, II, III, IV*					
Total Credits Per Year	_____ out of _____	_____ out of _____	_____ out of _____	_____ out of _____	22 Credit Minimum

* Preparation I, II, III, IV = Completion of 150 hrs. of school-based training, 225 hrs. of community-based training, and 225 hrs. of paid employment.

Appendix C

Career- and College-Ready Graduate Courses (CCRG)

The State Board of Community Colleges (SBCC) in consultation with the State Board of Education (SBOE) is required by Section 10.13 of S.L. 2015-241 to make remedial courses mandatory for students who do not meet readiness indicators by their junior year to ensure college readiness prior to high school graduation.

Students who are enrolled in the Occupational Course of Study to receive their high school diplomas shall not be required to participate in the program or be required to take mandatory remedial courses unless a parent specifically requests through the individualized education program (IEP) process that the student participates.

CCRG Course Criteria:

High school juniors with an unweighted GPA below a 2.8 are required to take CCRG Math and English courses in their senior year unless they meet one of the following criteria in either Math or English.

SAT Score 480/530	ACT Score 18/22/22	Math 3 EOC Score IV or V	*AP Exam Score III or higher	**IB Course Score IV or higher	***CIE Score C or higher
Composite score of 480 for Evidenced Based Reading and Writing Score of 530 in Math	English - 18 Reading - 22 Math - 22	Math 3	English, Language and Composition English, Literature, and Composition Calculus AB Calculus BC	IB English A (Standard or Higher Level) IB Mathematics (Higher Level) IB Advanced Mathematics (Higher Level) IB Mathematical Studies (Standard Level)	AS or A Level English Language AS Level Language and Literature in English AS or A Level Math A Level Mathematics - Further

 *Advanced Placement Course

 **International Baccalaureate

***Cambridge International Examinations

North Carolina Mathematics Graduation Requirements
Options Chart for the 2020-2021 School Year

According to the State Graduation Requirement Policy, students earn four mathematics credits which shall be either:

a. NC Math 1, 2, and 3 and a fourth mathematics course to be aligned with the student's post high school plans

b. In the rare instance a principal exempts a student from the Future-Ready Core mathematics sequence, except as limited by N.C.G.S. §115C-81(b), the student will be required to pass: NC Math 1 and Math 2 plus two additional courses identified on the NC DPI Math options chart. Note: Credit shall be awarded for Math I, II, III if taken prior to the 2016-17 school year.

The following charts are provided to identify the courses that are options to fulfill the mathematics graduation requirement and that align with the student's post high school plan. The charts include options for students who seek:

- 1. Admission into a UNC System Institution
- 2. Admission into a Community College or Technical School
- 3. Enter directly into a Career after High School
- 4. Principal Exemption from the Future Ready Core Graduation Requirements

Guidance is also provided for students who are:

- Identified as Learning Disabled in Math
- Following the Occupational Course of Study

North Carolina Mathematics Graduation Requirements
Options Chart for the 2020-2021 School Year

1. Admission into a UNC System Institution	**Students must earn credit for:**
The following courses will fulfill the NC graduation requirements for mathematics and meet the UNC System Institution Minimum Course Requirements for admission. For admission into universities and colleges outside of the UNC System Institution, please check with that institution's admissions office for requirements and recommendations.	• **2109 – NC Math 1** • **2209 – NC Math 2** • **2309 – NC Math 3** And <u>1</u> credit from the following:

NC SCOS – 4th Level Math Courses
- 2401 – Discrete Mathematics for Computer Science* New name and revised standards
- 2403 – Pre-Calculus* Revised standards
- 2409 – NC Math 4* New option

Advanced Placement Courses
- 2A00 – AP Calculus AB
- 2A01 – AP Calculus BC
- 2A03 – AP Statistics

Community College Courses
- 2C01 – MAT 143 – Quantitative Literacy
- 2C02 – MAT 152 – Statistical Methods I
- 2C03 – CCP – MAT 171 – Precalculus Algebra
- 2C04 – CCP – MAT 172 – Precalculus Trigonometry
- 2C05 – MAT 263 – Brief Calculus
- 2C06 – CCP – MAT 271 – Calculus I
- 2C07 – MAT 272 – Calculus II
- 2C11 – MAT 252 – Statistics II
- 2C12 – MAT 273 – Calculus III
- 2C13 – MAT 280 – Linear Algebra
- 2C14 – MAT 285 – Differential Equations
- 2C15 – MAT 141 – Mathematical Concepts I
- 2C16 – MAT 142 – Mathematical Concepts II
- 2C20 – MAT 167 – Discrete Math

International Baccalaureate Courses
- 2I028 – IB Mathematical Studies SL
- 2I038 – IB Mathematics SL
- 2I048 – IB Mathematics HL
- 2I058 – IB Further Math HL
- 2I068 – IB Analysis and Approaches SL
- 2I078 – IB Analysis and Approaches HL
- 2I088 – IB Applications & Interpretations SL
- 2I098 – IB Applications & Interpretations HL

Cambridge Courses
- 2V008 – CIE Mathematics AS
- 2V018 – CIE Mathematics A
- 2V028 – CIE Mathematics & Mechanics AS
- 2V038 – CIE Mathematics & Mechanics A
- 2V048 – CIE Mathematics & Probability/Statistics AS
- 2V058 – CIE Mathematics & Probability/Statistics A

The following courses are no longer available for all students starting in 2020-21.
Students who have earned credit in the following courses prior to the 2020-21 school year, can still use those credits to meet NC graduation requirements for mathematics.
- 2400 – Advanced Functions and Modeling (AFM)*
- 2402 – Integrated Math IV*
- 2406 – AMTEM-Mindset

Students who earned credit for 2400 AFM or 2402 Integrated Math IV can still use the course to meet the Minimum Course Requirements for admission at UNC System Institutions.

North Carolina Mathematics Graduation Requirements
Options Chart for the 2020-2021 School Year

2. **Admission into a Community College or Technical School** *The following courses will fulfill the NC graduation requirements for mathematics. The North Carolina Community College System does not require any specific 4th math course for admission. Students may also earn a credit in a course listed on the [Admission into a UNC Institution Chart](#).*	**Students must earn credit for:** • **2109 – NC Math 1** • **2209 – NC Math 2** • **2309 – NC Math 3** And <u>1</u> credit from the following:

Additional Mathematics Courses • 2090 – Foundations of NC Math 1 • 2091 – Foundations of NC Math 2 • 2092 – Foundations of NC Math 3 • 2013 – CCRG Mathematics* New option **Advanced Placement and International Baccalaureate Courses** • 2A02 – AP Computer Science • 21008 – IB Computer Science SL • 21018 – IB Computer Science HL	**CTE Paired Courses that fulfill 1 of the 4 required mathematics credits for graduation** • IC11 – Masonry I **AND** IC12 – Masonry II • IM21 – Woodworking I **AND** IM22 – Woodworking II[R] *New Paired Option* • TS31 – Game Art and Design **AND** TS32 – Advanced Game Art and Design • IC41 – Electrical Trades I **AND** IC42 – Electrical Trades II • IC22 – Carpentry II **AND** IC23 – Carpentry III
CTE Single Courses that fulfill 1 of the 4 required mathematics credits for graduation • 0A02 – AP Computer Science Principles • BA10 – Accounting I • BA20 – Accounting II • BM20 – Microsoft Excel[R] *New Option* • IV22 – Drafting II Engineering • IC21 – Carpentry I • IC61 – Drafting I • IC62 – Drafting II Architectural • TP11 – PLTW Introduction to Engineering Design • TP12 – PLTW Principles of Engineering	• TP21 – PLTW Digital Electronics • TP22 – PLTW Computer Integrated Manufacturing • TP23 – PLTW Civil Engineering and Architecture • TP25 – PLTW Aerospace Engineering • TP27 – PLTW Environmental Sustainability • TP31 – PLTW Engineering Design and Development • FA31 – Apparel & Textile Production I • FA32 – Apparel & Textile Production II • FI51 – Interior Design I • FI52 – Interior Design II • IM41 – Metals Manufacturing Technology I • IM42 – Metals Manufacturing Technology II

[R] – While this course is new to the options chart, students who earned credit in these courses prior to the 2020-21 school year can use this credit to meet the Mathematics Graduation Requirements.

Only students who entered high school prior to the 2020-21 school year can earn a math credit for the following courses: • BF10 – Principles of Business and Finance • BP10 – Computer Programming I • BP12 – Computer Programming II • FH22 – Culinary Arts and Hospitality II • FH72 – ProStart II	**Only students who entered high school prior to the 2020-21 school year can earn a math credit for the following paired courses:** • BP20 – SAS I **AND** BP22 – SAS II • BF05 – Personal Finance **AND** ME11 – Entrepreneurship I • FH20 – Introduction to Culinary Arts & Hospitality **AND** FH21 – Culinary Arts & Hospitality I • FH20 – Introduction to Culinary Arts & Hospitality **AND** FH71 – ProStart I • IM31 – Electronics I **AND** IM32 – Electronics II • TS21 – Scientific & Technical Visualization I **AND** TS22 – Scientific & Technical Visualization II

The following courses will no longer earn a fourth math credit for all students starting in 2020-21.   Students who have earned credit in the following courses prior to the 2020-21 school year, can still use those credits to meet NC graduation requirements for mathematics.   • TE21 – Principles of Technology I   • TE22 – Principles of Technology II

North Carolina Mathematics Graduation Requirements
Options Chart for the 2020-2021 School Year

3. Enter directly into a Career after High School *The following courses will fulfill the NC graduation requirements for mathematics. Students may also earn a credit in a course listed on the [Admission into a UNC Institution Chart](#).*	**Students must earn credit for:** • 2109 – NC Math 1 • 2209 – NC Math 2 • 2309 – NC Math 3 And <u>1</u> credit from the following:

Additional Mathematics Courses
- 2090 – Foundations of NC Math 1
- 2091 – Foundations of NC Math 2
- 2092 – Foundations of NC Math 3
- 2013 – CCRG Mathematics* *New option*

Advanced Placement and International Baccalaureate Courses
- 2A02 – AP Computer Science
- 21008 – IB Computer Science SL
- 21018 – IB Computer Science HL

CTE Single Courses that fulfill 1 of the 4 required mathematics credits for graduation
- 0A02 – AP Computer Science Principles
- BA10 – Accounting I
- BA20 – Accounting II
- BM20 – Microsoft Excel[R] *New Option*
- IV22 – Drafting II Engineering
- IC21 – Carpentry I
- IC61 – Drafting I
- IC62 – Drafting II Architectural
- TP11 – PLTW Introduction to Engineering Design
- TP12 – PLTW Principles of Engineering

CTE Paired Courses that fulfill 1 of the 4 required mathematics credits for graduation
- IC11 – Masonry I **AND** IC12 – Masonry II
- IM21 – Woodworking I **AND** IM22 – Woodworking II[R] *New Paired Option*
- TS31 – Game Art and Design **AND** TS32 – Advanced Game Art and Design
- IC41 – Electrical Trades I **AND** IC42 – Electrical Trades II
- IC22 – Carpentry II **AND** IC23 – Carpentry III

- TP21 – PLTW Digital Electronics
- TP22 – PLTW Computer Integrated Manufacturing
- TP23 – PLTW Civil Engineering and Architecture
- TP25 – PLTW Aerospace Engineering
- TP27 – PLTW Environmental Sustainability
- TP31 – PLTW Engineering Design and Development
- FA31 – Apparel & Textile Production I
- FA32 – Apparel & Textile Production II
- FI51 – Interior Design I
- FI52 – Interior Design II
- IM41 – Metals Manufacturing Technology I
- IM42 – Metals Manufacturing Technology II

[R] – While this course is new to the options chart, students who earned credit in these courses prior to the 2020-21 school year can use this credit to meet the Mathematics Graduation Requirements.

Only students who entered high school prior to the 2020-21 school year can earn a math credit for the following courses:
- BF10 – Principles of Business and Finance
- BP10 – Computer Programming I
- BP12 – Computer Programming II
- FH22 – Culinary Arts and Hospitality II
- FH72 – ProStart II

Only students who entered high school prior to the 2020-21 school year can earn a math credit for the following paired courses:
- BP20 – SAS I **AND** BP22 – SAS II
- BF05 – Personal Finance **AND** ME11 – Entrepreneurship I
- FH20 – Introduction to Culinary Arts & Hospitality **AND** FH21 – Culinary Arts & Hospitality I
- FH20 – Introduction to Culinary Arts & Hospitality **AND** FH71 – ProStart I
- IM31 – Electronics I **AND** IM32 – Electronics II
- TS21 – Scientific & Technical Visualization I **AND** TS22 – Scientific & Technical Visualization II

The following courses will no longer earn a fourth math credit for all students starting in 2020-21.
Students who have earned credit in the following courses prior to the 2020-21 school year, can still use those credits to meet NC graduation requirements for mathematics.
- TE21 – Principles of Technology I
- TE22 – Principles of Technology II

North Carolina Mathematics Graduation Requirements
Options Chart for the 2020-2021 School Year

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4. Principal Exemption from the Future Ready Core Graduation Requirements
The following courses will fulfill the NC graduation requirements for mathematics with a principal override. Students may also earn a credit in a course listed on the [Admission into a UNC Institution Chart](#).

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Students must earn credit for:
- **2109 – NC Math 1**
- **2209 – NC Math 2**

And <u>2</u> credits from the following:

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Additional Mathematics Courses
- 2020 – Introductory Mathematics
- 2040 – Alternate Mathematics I
- 2041 – Alternate Mathematics II
- 2090 – Foundations of NC Math 1
- 2091 – Foundations of NC Math 2
- 2092 – Foundations of NC Math 3
- 2013 – CCRG Mathematics* *New option*

Advanced Placement and International Baccalaureate Courses
- 2A02 – AP Computer Science
- 21008 – IB Computer Science SL
- 21018 – IB Computer Science HL

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CTE Paired Courses that fulfill 1 of the 4 required mathematics credits for graduation
- IC11 – Masonry I **AND** IC12 – Masonry II
- IM21 – Woodworking I **AND** IM22 – Woodworking II[R] *New Paired Option*
- TS31 – Game Art and Design **AND** TS32 – Advanced Game Art and Design
- IC41 – Electrical Trades I **AND** IC42 – Electrical Trades II
- IC22 – Carpentry II **AND** IC23 – Carpentry III

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CTE Single Courses that fulfill 1 of the 4 required mathematics credits for graduation
- 0A02 – AP Computer Science Principles
- BA10 – Accounting I
- BA20 – Accounting II
- BM20 – Microsoft Excel[R] *New Option*
- IV22 – Drafting II Engineering
- IC21 – Carpentry I
- IC61 – Drafting I
- IC62 – Drafting II Architectural
- TP11 – PLTW Introduction to Engineering Design
- TP12 – PLTW Principles of Engineering

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- TP21 – PLTW Digital Electronics
- TP22 – PLTW Computer Integrated Manufacturing
- TP23 – PLTW Civil Engineering and Architecture
- TP25 – PLTW Aerospace Engineering
- TP27 – PLTW Environmental Sustainability
- TP31 – PLTW Engineering Design and Development
- FA31 – Apparel & Textile Production I
- FA32 – Apparel & Textile Production II
- FI51 – Interior Design I
- FI52 – Interior Design II
- IM41 – Metals Manufacturing Technology I
- IM42 – Metals Manufacturing Technology II

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[R] – While this course is new to the options chart, students who earned credit in these courses prior to the 2020-21 school year can use this credit to meet the Mathematics Graduation Requirements.

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Only students who entered high school prior to the 2020-21 school year can earn a math credit for the following courses:
- BF10 – Principles of Business and Finance
- BP10 – Computer Programming I
- BP12 – Computer Programming II
- FH22 – Culinary Arts and Hospitality II
- FH72 – ProStart II

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Only students who entered high school prior to the 2020-21 school year can earn a math credit for the following paired courses:
- BP20 – SAS I **AND** BP22 – SAS II
- BF05 – Personal Finance **AND** ME11 – Entrepreneurship I
- FH20 – Introduction to Culinary Arts & Hospitality **AND** FH21 – Culinary Arts & Hospitality I
- FH20 – Introduction to Culinary Arts & Hospitality **AND** FH71 – ProStart I
- IM31 – Electronics I **AND** IM32 – Electronics II
- TS21 – Scientific & Technical Visualization I **AND** TS22 – Scientific & Technical Visualization II

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The following courses will no longer earn a fourth math credit for all students starting in 2020-21.
Students who have earned credit in the following courses prior to the 2020-21 school year, can still use those credits to meet NC graduation requirements for mathematics.

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- TE21 – Principles of Technology I

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- TE22 – Principles of Technology II

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North Carolina Mathematics Graduation Requirements
Options Chart for the 2020-2021 School Year

Students identified as Learning Disabled in Math

General Statue 115C-12(9d) states: "The State Board shall not adopt or enforce any rules that requires Algebra I* as a graduation standard or as a requirement for a high school diploma for any student whose individualized education program (i) identifies the student as learning disabled in the area of mathematics and (ii) states that this learning disability will prevent the student from mastering Algebra I." As noted in General Statute 115C-12(9d), the individualized education program (IEP) must state that the specific learning disability (SLD) in the area of mathematics will prevent the student from mastering Algebra I (now interpreted as NC Math 1 per memo dated 12/16/13).

The IEP team decision regarding the application of this statute through documentation in the IEP could occur at different times during the academic career of a student with a SLD in the area of mathematics. For further information on the required considerations for application of this statute, please see the August 24, 2016 memo and worksheet (http://bit.ly/NCSLDMathFRC).

Note: The memo and worksheet refer to General Statute 115-81b. Recent legislation relocated the content of 115-81b to 115-12(9d) without changing the text of the statute. Please continue to use the memo and worksheet as intended for students with a specific learning disability in the area of mathematics.

Students included in the category defined by NC General Statute 115C-12(9d) must complete four credits in mathematics. These students must construct a four-course mathematics sequence using any combination of the courses listed in the preceding Options Charts. Each student's course selection should be guided by his or her post-secondary goals, as defined in his/her IEP.

For complete information on application of General Statue 115C-12(9d), refer to the Students with Specific Learning Disabilities and Mathematics Sequence Exemption in the Future-Ready Course of Study memo referenced above.

*Algebra I is now interpreted as NC Math I.

Students following the Occupational Course of Study
Students who follow this sequence should be classified as Occupational Course of Study.

Students must earn credit for:
- 9220B – Introduction to Mathematics
- 9225B – Math 1
- 9222B – Financial Management*

*BF05 Personal Finance is no longer an option for all students starting in the 2020-21 school year.

Dual Enrollment/ Career & College Promise Placement Test Chart

To be eligible for enrollment in a <u>College Transfer Pathway</u>, students must meet ALL of the following criteria:

1. Be a high school junior or senior.
2. Have an unweighted GPA of 2.8 on high school courses or demonstrate college readiness on an approved assessment or placement test. (see chart below)

Assessment	Minimum English Score	Minimum Reading Score	Minimum Mathematics Score
PSAT10 and PSAT/NMSQT	26 or a composite of 460 for Evidence-Based Reading and Writing	26 or a composite of 460 for Evidence-Based Reading and Writing	24.5 or 510
PreACT	18	22	22
ACT	18	22	22
SAT *(After March 2016)*	480 (Evidence-Based Reading & Writing)		530
NC DAP *(NCCCS Cut Score)*	Composite score of 151 or higher		7 on each assessment for DMA 010 through 060
RISE *(NCCCS Cut Score)*	75 or higher on Tier 1 and Tier 2		75 or higher on Tier 1, Tier 2, and Tier 3

Section 3.1.4 of NC State Board of Education Policy states:
College courses ("dual enrollment") - Course content, pace and academic rigor are, by definition, college-level for these courses. College courses, which may be delivered by a community college, public university or private college or university, provide credit toward a high school diploma and may satisfy a graduation requirement or provide an elective course credit. The state weighting system adds the equivalent of one (1) quality point to the grade earned in community college courses included on the most recent Comprehensive Articulation Agreement Transfer Course List, and for courses taught at four-year universities and colleges.
The entire SBE Policy GCS-L-004 (3.1.4) can be accessed at:
https://stateboard.ncpublicschools.gov/policy-manual/Graduation-Related-Policies/copy_of_electronically-generated-high-school-transcript-standards

Based on the SBE policy, any course on the <u>Transfer Course List</u> will receive +1 quality points. Beginning with the freshman class entering 2015-16, this translates to an equivalent weight of an AP course. All other CCP courses will receive a standard-level weight on the HS transcript. For students entering 9th grade prior to 2015-16, the courses on the list still receive +1 quality point but carries the weight of an honors course instead. ***The Comprehensive Articulation Agreement Transfer Course List can be accessed at:***
https://www.nccommunitycolleges.edu/sites/default/files/basic-pages/academic-programs/attachments/transfer_course_list_appendixg_2018v4.pdf

Dual Enrollment/ CCP College Transfer Pathway (leading to the Associate in Arts)

The CCP College Transfer Pathway Leading to the Associate in Arts is designed for high school juniors and seniors who wish to begin study toward the Associate in Arts degree and a baccalaureate degree in a non-STEM major.

GENERAL EDUCATION (34 SHC)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC).

English Composition (6 SHC)

The following two English composition courses are required:

ENG 111	Writing & Inquiry	(3 SHC)
ENG 112	Writing/Research in the Disciplines	(3 SHC)

Select two courses from the following with at least two different disciplines: (6 SHC)

Communications

COM 231	Public Speaking	(3 SHC)

Humanities/Fine Arts

ART 111	Art Appreciation	(3 SHC)
ART 114	Art History Survey I	(3 SHC)
ART 115	Art History Survey II	(3 SHC)
ENG 231	American Literature I	(3 SHC)
ENG 232	American Literature II	(3 SHC)
ENG 241	British Literature I	(3 SHC)
ENG 242	British Literature II	(3 SHC)
MUS 110	Music Appreciation	(3 SHC)
MUS 112	Introduction to Jazz	(3 SHC)
PHI 215	Philosophical Issues	(3 SHC)
PHI 240	Introduction to Ethics	(3 SHC)

Social/Behavioral Sciences (6 SHC)

Select two courses from the following with at least two different disciplines:

ECO 251	Principles of Microeconomics	(3 SHC)
ECO 252	Principles Macroeconomics	(3 SHC)
HIS 111	World Civilizations I	(3 SHC)
HIS 112	World Civilizations II	(3 SHC)
HIS 131	American History I	(3 SHC)
HIS 132	American History II	(3 SHC)
POL 120	American Government	(3 SHC)
PSY 150	General Psychology	(3 SHC)
SOC 210	Introduction to Sociology	(3 SHC)

Mathematics (8 SHC)

Select two courses from the following:

MAT 171	Precalculus Algebra	(4 SHC)
MAT 172	Precalculus Trigonometry	(4 SHC)
MAT 263	Brief Calculus	(4 SHC)
MAT 271	Calculus I	(4 SHC)

Natural Sciences (8 SHC)

Select 8 SHC from the following course(s):

BIO 111	General Biology I	(4 SHC)	*and*	BIO 112 General Biology II (4 SHC)
CHM 151	General Chemistry I	(4 SHC)	*and*	CHM 152 General Chemistry II (4 SHC)
PHY 151	College Physics I	(4 SHC)	*and*	PHY 152 College Physics II (4 SHC)
PHY 251	General Physics I	(4 SHC)	*and*	PHY 252 General Physics II (4 SHC)

Total General Education Hours Required: 34

Academic Transition (1 SHC)

The following course is required:

ACA 122	College Transfer Success	(1 SHC)

Total Semester Hours Credit (SHC) in Pathway: 35

Dual Enrollment/ CCP College Transfer Pathway (leading to the Associate in Science)

The CCP College Transfer Pathway Leading to the Associate in Science is designed for high school juniors and seniors who wish to begin study toward the Associate in Science degree and a baccalaureate degree in a STEM or technical major.

GENERAL EDUCATION (34 SHC)

The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC).

English Composition (6 SHC)

The following two English composition courses are required:

ENG 111	Writing & Inquiry	(3 SHC)
ENG 112	Writing/Research in the Disciplines	(3 SHC)

Select two courses from the following with at least two different disciplines: (6 SHC)

Communications

COM 231	Public Speaking	(3 SHC)

Humanities/Fine Arts

ART 111	Art Appreciation	(3 SHC)
ART 114	Art History Survey I	(3 SHC)
ART 115	Art History Survey II	(3 SHC)
ENG 231	American Literature I	(3 SHC)
ENG 232	American Literature II	(3 SHC)
ENG 241	British Literature I	(3 SHC)
ENG 242	British Literature II	(3 SHC)
MUS 110	Music Appreciation	(3 SHC)
MUS 112	Introduction to Jazz	(3 SHC)
PHI 215	Philosophical Issues	(3 SHC)
PHI 240	Introduction to Ethics	(3 SHC)

Social/Behavioral Sciences (6 SHC)

Select two courses from the following with at least two different disciplines:

ECO 251	Principles of Microeconomics	(3 SHC)
ECO 252	Principles Macroeconomics	(3 SHC)
HIS 111	World Civilizations I	(3 SHC)
HIS 112	World Civilizations II	(3 SHC)
HIS 131	American History I	(3 SHC)
HIS 132	American History II	(3 SHC)
POL 120	American Government	(3 SHC)
PSY 150	General Psychology	(3 SHC)
SOC 210	Introduction to Sociology	(3 SHC)

Mathematics (8 SHC)

Select two courses from the following:

MAT 171	Precalculus Algebra	(4 SHC)
MAT 172	Precalculus Trigonometry	(4 SHC)
MAT 263	Brief Calculus	(4 SHC)
MAT 271	Calculus I	(4 SHC)

Natural Sciences (8 SHC)

Select 8 SHC from the following course(s):

BIO 111	General Biology I	(4 SHC)	*and*	BIO 112 General Biology II	(4 SHC)
CHM 151	General Chemistry I	(4 SHC)	*and*	CHM 152 General Chemistry II	(4 SHC)
PHY 151	College Physics I	(4 SHC)	*and*	PHY 152 College Physics II	(4 SHC)
PHY 251	General Physics I	(4 SHC)	*and*	PHY 252 General Physics II	(4 SHC)

Total General Education Hours Required: 34

Academic Transition (1 SHC)

The following course is required:

ACA 122	College Transfer Success	(1 SHC)

Total Semester Hours Credit (SHC) in Pathway: 35

Dual Enrollment/ CCP College Transfer Pathway (leading to the Associate in Engineering)

The CCP College Transfer Pathway Leading to the Associate in Engineering is designed for high school juniors and seniors who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

GENERAL EDUCATION (28 SHC)
The general education requirement includes study in courses selected from the Universal General Education Transfer Component (UGETC).

English Composition (6 SHC)
The following two English composition courses are required:

ENG 111	Writing & Inquiry	(3 SHC)
ENG 112	Writing/Research in the Disciplines	(3 SHC)

Humanities/Fine Arts/Communications (3 SHC)
Select one course from the following:

ART 111	Art Appreciation	(3 SHC)
ART 114	Art History Survey I	(3 SHC)
ART 115	Art History Survey II	(3 SHC)
COM 231	Public Speaking	(3 SHC)
ENG 231	American Literature I	(3 SHC)
ENG 232	American Literature II	(3 SHC)
ENG 241	British Literature I	(3 SHC)
ENG 242	British Literature II	(3 SHC)
MUS 110	Music Appreciation	(3 SHC)
MUS 112	Introduction to Jazz	(3 SHC)
PHI 215	Philosophical Issues	(3 SHC)
PHI 240	Introduction to Ethics	(3 SHC)

Social/Behavioral Sciences (3 SHC)
The following course is required:

ECO 251	Principles of Microeconomics	(3 SHC)

Mathematics (8 SHC)
The following courses are required:

MAT 271	Calculus I	(4 SHC)
MAT 272	Calculus II	(4 SHC)

*Calculus I is the lowest math course that will be accepted by the engineering programs for transfer as a math credit. Students who are not calculus-ready will need to take additional math courses.

Natural Sciences (8 SHC)
Select 8 SHC from the following courses:

CHM 151	General Chemistry I	(4 SHC)
PHY 251	General Physics I	(4 SHC)
PHY 252	General Physics II	(4 SHC)

Total General Education Hours Required: 28

Other Required Hours (5 SHC)
The following courses are required:

EGR 150	Introduction to Engineering	(2 SHC)
DFT 170	Engineering Graphics	(3 SHC)

Academic Transition (1 SHC)
The following course is required:

ACA 122	College Transfer Success	(1 SHC)

Total Semester Hours Credit (SHC) in Pathway: 34

Dual Enrollment/ CCP College Transfer Pathway (leading to the Associate Degree Nursing-ADN)

The Career and College Promise (CCP) ADN Pathway is designed for high school juniors and seniors who wish to begin their educational studies toward the Associate in Nursing degree and a Baccalaureate degree in Nursing. The Pathway is based on Block 1 of the *Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs* which was approved by the State Board of Community Colleges and the UNC Board of Governors in February 2015.

A student who completes an Associate in Applied Science (AAS) in Nursing, which includes the courses listed below, with a GPA of at least 2.0 and a grade of C or better and completes the courses in Blocks 2-3 of the *Uniform Articulation Agreement between the University of North Carolina's Registered Nurse to Bachelor of Science in Nursing programs and the North Carolina Community College Associate Degree Nursing Programs* with a GPA of at least 2.0 and a grade of C or better, and who holds a current unrestricted license as a Registered Nurse in North Carolina will have fulfilled the UNC institutions lower-division general education requirements as well as nursing program entry requirements. However, because nursing program admissions are competitive, no student is guaranteed admission to the program of his or her choice.

GENERAL EDUCATION (23 SHC)
These courses are contained in Block 1 of the Five Block Degree Plan located within the RN to BSN Articulation Agreement.

English Composition (6 SHC)
The following English composition course is required:

ENG 111	Writing & Inquiry	(3 SHC)

Select one course from the following (3 SHC):

ENG 112	Writing/Research in the Disciplines	(3 SHC)
ENG 114	Prof Research & Reporting	(3 SHC)

Humanities/Fine Arts (3 SHC)
Select one course from the following (3 SHC):

ART 111	Art Appreciation	(3 SHC)
ART 114	Art History Survey I	(3 SHC)
ART 115	Art History Survey II	(3 SHC)
MUS 110	Music Appreciation	(3 SHC)
MUS 112	Introduction to Jazz	(3 SHC)
PHI 215	Philosophical Issues	(3 SHC)
PHI 240	Introduction to Ethics	(3 SHC)
HUM 115	Critical Thinking	(3 SHC)

Social/Behavioral Sciences (6 SHC)
The following courses are required:

PSY 150	General Psychology	(3 SHC)
PSY 241	Developmental Psychology	(3 SHC)

Natural Sciences (8 SHC)

BIO 168	Anatomy and Physiology I	(4 SHC)	**AND**
BIO 169	Anatomy and Physiology II	(4 SHC)	

Total General Education Hours Required: 23

Academic Transition (1 SHC)
The following course is required:

ACA 122	College Transfer Success	(1 SHC)

Total Semester Hours Credit (SHC) in Pathway: 24

Dual Enrollment/ CCP Career and Technical Education Pathways

To be eligible for enrollment in a <u>Career Technical Education Pathway</u>, high school students must meet ALL of the following criteria:

1. Be a high school junior or senior.
2. Have an unweighted GPA of 2.8 on high school courses or demonstrate college readiness on an approved assessment or placement test or have the recommendation of the high school principal or his/her designee.

Agriculture and Natural Resources	Industrial Technology
Agribusiness Technology	Air Conditioning, Heating, Refrigeration/Comfort Cooling
Applied Animal Science Technology	Air Conditioning, Heating, Refrigeration/Heat Pump
Sustainable Agriculture	Air Conditioning, Heating, Refrigeration/Heating
Turfgrass Management Technology	Computer-Integrated Machining/CNC Programming
Forest Management Technology	Welding Technology
	Welding - MIG
	Welding - Stick
	Welding - TIG

Business	Information Technology
Business Administration	Simulation and Game Development
Accounting and Finance/Bookkeeping	Level Design for Simulation and Game Development
	Mobile Game Development
	Modeling and Animation
	Production for Simulation and Game Development
	Programming for Simulation and Game Development
	Systems and Hardware Support
	Systems Support

Early Childhood	Medical and Office Administration
Early Childhood Education	Medical Office Administration/Medical Insurance
Infant/Toddler	Medical Office Administration/Medical Scribe
	Office Administration

Emergency Management	Public Safety
Public Safety	Criminal Justice
Law Enforcement Management	Criminal Justice/Forensic Science
Fire Service Management	
EMS Management	

Engineering and Manufacturing	Transportation
Industrial Systems Technology	Collision Repair and Refinishing Technology
Industrial Systems – Industrial Automation	Transportation Technology
Industrial Systems – Mechanical Systems	
Mechatronics Engineering Technology	
Mechanical Engineering/Engineering Technology	
Business Administration/Operations Management	

The college may enroll high school **freshmen and sophomores** ONLY in Engineering, Industrial, Agricultural and Natural Resources, or Transportation Systems Technologies certificate and diploma programs. To be eligible for enrollment:

1. Have passed Math I with a grade of "C" or better.
2. Scored a 3, 4, or 5 on the End of Course Assessment (EOC) for Math I.
3. Scored a 3, 4, or 5 on the 8th Grade EOC for ELA Assessment.
4. Have recommendation of the high school Principal.

Appendix F

CCP Courses (less than 3 semester hours)

Community college courses less than 3 semester hours credit do not receive high school dual credit. **These courses may be combined in order to receive high school credit as long as the subject area of the courses are the same (course prefix is the same) and the courses are taken within the same academic school year.** *When signing up for CCP courses at Wayne Community College, the WCC Staff will assist the high school student with combining courses if any of the courses are less than 3 semester hours.*

CCP/Dual Enrollment Courses at Wayne Community College less than 3 semester hours credit:

Course Name	College Credit Hours	High School Credits
ACA 111 College Student Success	1	0
ACA 122 College Transfer Success	1	0
ACC 140 Payroll Accounting	2	0
ACC 150 Accounting Software Applications	2	0
AGR 111 Basic Farm Maintenance	2	0
AHR 172 Heat Pump Lab	1	0
AST 111A Descriptive Astronomy Lab	1	0
CIS 070 Fundamentals of Computing	1	0
CJC 120 Interviews/Interrogations	2	0
DFT 111 Technical Drafting I	2	0
DFT 112 Technical Drafting II	2	0
DFT 119 Basic CAD	2	0
DFT 231 Jig & Fixture Design	2	0
EGR 110 Intro to Engineering Technology	2	0
EGR 150 Introduction to Engineering	2	0
ELC 125 Diagrams and Schematics	2	0
ELC 127 Software for Technicians	2	0
FOR 161 Safety & Woodmanship	2	0
ISC 112 Industrial Safety	2	0
MAC 121 Introduction to CNC	2	0
MAC 124 CNC Milling	2	0
MAC 131 Blueprint Reading/Machining I	2	0
MAC 132 Blueprint Reading/Machining II	2	0
MAC 224 Advanced CNC Milling	2	0
MEC 110 Intro to CAD/CAM	2	0
MEC 276 Capstone Design Project	1	0
MED 110 Orientation to Medical Assisting	1	0
MED 118 Medical Law and Ethics	2	0
MNT 240 Industrial Equipment Troubleshooting	2	0
OST 132 Keyboard Skill Building	2	0
TRN 110 Introduction to Transportation Technology	2	0
TRN 170 PC Skills for Transportation	2	0
WEB 110 Internet/Web Fundamentals	2	0
WLD 110 Cutting Processes	2	0
WLD 112 Basic Welding Processes	2	0

College Foundation of North Carolina (cfnc.org)

CFNC can help you plan, apply, and pay for college. At the CFNC website, you can access tools and resources such as the high school planner, test preparation, student loan information, career resources, scholarships, and transcript manager. All WCPS high schools participate in the annual "Countdown to College" month in October which is designed to assist students with the college application process. WCPS students should use the CFNC Electronic Transcript as the primary method of sending transcripts to institutions of higher education in North Carolina. All North Carolina colleges, universities, and community colleges accept the CFNC Electronic Transcript. These transcripts are free to students and are sent within one day of the request through the student CFNC online account.

Residency Determination Service (ncresidency.cfnc.org)

To qualify for in-state tuition or to establish eligibility for state grant determination under North Carolina law, a student must prove:
- they established and maintained their legal residence in North Carolina for 12 months before claiming residency
- intent and capacity to maintain permanent legal residence in North Carolina
- they are here for a purpose other than going to college (some students may never qualify as an in-state resident for tuition purposes, particularly if they came to North Carolina to attend college)

Simply residing in North Carolina is NOT enough. A student must show permanent ties to North Carolina by proving that any previous state of residence has been abandoned. Students may not have more than one legal residence (domicile) at one time.

College Admissions: Terms to Know

Source: https://bigfuture.collegeboard.org/get-in/applying-101/college-admission-glossary

ACT/PACT (actstudent.org): A standardized college admission test. It features four main sections: English, math, reading and science and an optional essay section.

Admission Tests: Also known as college entrance exams, these are tests designed to measure students' skills and help colleges evaluate how ready students are for college-level work. The ACT and the College Board's SAT are two standardized admission tests used in the United States. The word "standardized" means that the test measures the same thing in the same way for everyone who takes it.

Articulation Agreement: An agreement between two-year and four-year colleges that makes it easier to transfer credits between them. It spells out which courses count for degree credit and the grades you need to earn to get credit.

ASVAB (Armed Services Vocational Aptitude Battery): An aptitude test to access an individual's natural abilities and skills. It is administered by the United States Military Entrance Processing Command and used to determine qualification for enlistment in all branches of the military. Whether considering the military or other career options, the ASVAB is an excellent tool to help determine your own natural abilities that will assist you in making an informed career choice.

Candidates Reply Date Agreement (CRDA): An agreement many colleges follow that gives applicants until May 1 to accept or decline offers of admission. This agreement gives students time to get responses from most of the colleges they have applied to before deciding on one.

Coalition Application (coalitionforcollegeaccess.org): A standard application form accepted by members of the Coalition for Access, Affordability, and Success. You can use this application to apply to any of the more than 90 colleges and universities that are members of the Coalition.

College Application Essay: An essay that a college requires students to write and submit as part of their application. Some colleges offer applicants specific questions to answer, while others simply ask applicants to write about themselves. Colleges may refer to this as a "personal statement."

Common Application (commonapp.org): A standard application form accepted by all colleges that are members of the Common Application Association. You can fill out this application once and submit it to any of the nearly 700 colleges that accept it.

Deferred Admission: Permission from a college that has accepted you to postpone enrolling in the college. The postponement is usually for up to one year.

Early Action (EA): An option to submit your applications before the regular deadlines. When you apply early action, you get admission decisions from colleges earlier than usual. Early action plans are not binding, which means that you do not have to enroll in a college if you are accepted early action. Some colleges have an early action option called EA II, which has a later application deadline than their regular EA plan.

Early Decision (ED): An option to submit an application to your first-choice college before the regular deadline. When you apply early decision, you get an admission decision earlier than usual. Early decision plans are binding. You agree to enroll in the college immediately if admitted and offered a financial aid package that meets your needs. Some colleges have an early decision option called ED II, which has a later application deadline than their regular ED plan.

Financial Aid (fafsa.ed.gov): Money given or loaned to you to help pay for college. Financial aid can come from federal and state governments, colleges, and private organizations.

Grant: Sometimes referred to as grant-in-aid or gift aid which does not have to be repaid; usually given to students with outstanding ability in general scholarship, athletics, or the arts (music, drama, art, etc.)

Legacy Applicant: A college applicant with a relative (usually a parent or grandparent) who graduated from that college. Some colleges give preference to legacy applicants (also called "legacies").

Loan: Money borrowed from federal, state, college sources, or commercial bank, usually interest-free while you are in school. Normally you must begin to repay this nine months after leaving school.

Need-Blind Admission: A policy of making admission decisions without considering the financial circumstances of applicants. Colleges that use this policy may not offer enough financial aid to meet a student's full need.

Open Admission: A policy of accepting any high school graduate, no matter what his or her grades are, until all spaces in the incoming class are filled. Almost all two-year community colleges have an open-admission policy. However, a college with a general open-admission policy may have admission requirements for certain programs.

Placement Tests: Tests that measure the academic skills needed for college-level work. They cover reading, writing, math and sometimes other subjects. Placement test results help determine what courses you are ready for and whether you would benefit from remedial classes.

PACT: This test serves as practice for the ACT. It is an educational and career planning assessment that can identify whether students are prepared for success in college and beyond. The PACT is given to all 10th graders during the school day in the fall semester.

PSAT/NMSQT (National Merit Scholarship Qualifying Test): This test serves as (1) practice for the SAT, (2) a rough indicator of how a student may score on the SAT, (3) the qualifying test for National Merit Scholarship Semifinalists (juniors only), and (4) qualifying test for some scholarship programs. Sophomores and juniors are strongly encouraged to take the test both years. Test is given in Oct.

Priority Date or Deadline: The date by which your application (whether it's for college admission, student housing or financial aid) must be received to be given the strongest consideration.

Rolling Admission: An admission policy of considering each application as soon as all required information (such as high school records and test scores) has been received, rather than setting an application deadline and reviewing applications in a batch. Colleges that use a rolling admission policy usually notify applicants of admission decisions quickly.

SAT (collegeboard.org): The College Board's standardized college admission test. It features three main sections: math, reading and writing, which includes a written essay.

SAT Subject Tests (collegeboard.org): Hour-long, content-based college admission tests that allow you to showcase achievement in specific subject areas: English, history, math, science and languages. Some colleges use Subject Tests to place students into the appropriate courses as well as in admission decisions. Based on your performance on the test(s), you could potentially fulfill basic requirements or earn credit for introductory-level courses.

Scholarship: Gift aid which does not have to be repaid and may be based upon merit and/or financial need, including awards given to students with outstanding ability in general scholarship, athletics, or the arts (music, drama, art, etc.).

Sophomore Standing: The status of a second-year student. A college may grant sophomore standing to an incoming freshman if he or she has earned college credits through courses, exams or other programs.

Transfer Student: A student who enrolls in a college after having attended another college.

Undergraduate: A college student who is working toward an associate or a bachelor's degree.

Universal College Application (universalcollegeapp.com): A standard application form accepted by all colleges that are Universal College Application members. You can fill out this application once and submit it to any one (or several) of the more than 3,044 colleges that accept it.

Waiting List: The list of applicants who may be admitted to a college if space becomes available. Colleges wait to hear if all the students they accepted decide to attend. If students don't enroll and there are empty spots, a college may fill them with students who are on the waiting list.

Work-Study Program: A federal program which provides part-time employment on campus and in community agencies. Students typically work ten to fifteen hours per week, according to their class schedules.

Wayne County Public Schools Career Clusters

Agriculture, Food & Natural Resources (AGNR)	Architecture & Construction (ARCH)	Arts, A/V, Technology & Communications (AAVC)	Business Mgmt & Administration (BMA)	Finance (FINA)	Health Science (HLTH)	Hospitality & Tourism (HOSP)
7 Career Pathways **Animal Systems:** Animal Science I Animal Science II ♦ OR Ani Sci II - Small Animals ♦ **Equine Science:** Equine Science I Equine Science II ♦ **Food Products & Processing:** Food & Nutrition I Food Science & Tech. ♦ **Natural Resources Systems:** Natural Resources I Natural Resources II ♦ **Plant Systems:** Horticulture I Horticulture II ♦ OR Hort. II - Landscaping ♦ OR Hort. II - Turfgrass Mgmt. ♦ **Power, Structural & Technical Systems:** Agriculture Mechanics I Ag. Mechanics II ♦ OR Ag. Mech II-Small Engines ♦ **Sustainable Ag. Production:** Sustainable Ag. Production I Sustainable Ag. Prod. II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**4 Career Pathways** **Carpentry:** Construction Core Carpentry I Carpentry II ♦ *Career Pathway Major:* *Carpentry III* **Drafting Architectural:** Drafting I Drafting II - Arch ♦ *Career Pathway Major:* *Drafting III- Arch* **Interior Design:** Interior Design I Interior Design II ♦ OR Interior Design Apps ♦ **Masonry:** Construction Core Masonry I Masonry II ♦ *Career Pathway Major:* *Masonry III* *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**3 Career Pathways** **Adobe Academy:** Adobe Visual Design Adobe Digital Design ♦ OR Adobe Video Design ♦ **Apparel & Textile Production:** Apparel & Textile I Apparel & Textile II ♦ **Digital Design & Animation:** Digital Design & Animation I Digital Design & Animation II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**2 Career Pathways** **Entrepreneurship:** Entrepreneurship I Entrepreneurship II ♦ **General Management:** Principles of Business & Finance Business Mgmt. I Business Mgmt. II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**2 Career Pathways** **Accounting:** Accounting I Accounting II ♦ **Financial Securities & Investments:** Principles of Business & Finance Financial Planning I Financial Planning II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**2 Career Pathways** **Biomedical Technology:** Health Science I Biomedical Technology ♦ **Healthcare Professional:** Health Science I Health Science II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies	**2 Career Pathways** **Sports & Entertainment Marketing:** Sports & Entertainment Marketing I Sports & Entertainment Marketing II ♦ **Travel & Tourism:** Sports & Entertainment Marketing I OR Marketing OR Principles of Business & Finance AND Hospitality & Tourism ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education
Supplemental Technical Courses Agriscience Applications Principles of Family & Human Services	**Supplemental Technical Courses** Adobe Visual Design Apparel & Textile Prod. I Principles of Family & Human Services	**Supplemental Technical Courses** Marketing Fashion Merchandising Entrepreneurship I	**Supplemental Technical Courses** Principles of Business Marketing Microsoft Excel Accounting I Business Law	**Supplemental Technical Courses** Microsoft Excel	**Supplemental Technical Courses** Foundations of Health Science	**Supplemental Technical Courses** Food & Nutrition I Entrepreneurship I
Supplemental Employability Skills Courses: Career Management; Microsoft Word & PowerPoint							

Human Services (HUMA)	Information Technology (INFO)	Law, Public Safety, Corrections & Security (LAW)	Manufacturing (MANU)	Marketing (MRKT)	Science, Technology, Engineering & Mathematics (STEM)	Transportation, Distribution & Logistics (TRAN)
3 Career Pathways **Counseling & Mental Health:** Counseling & Mental Health I Counseling & Mental Health II ♦ **Early Childhood Development & Services:** Child Development Early Childhood Education I ♦ **Food & Nutrition:** Food & Nutrition I Food & Nutrition II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**4 Career Pathways** **Computer Science Principles:** Computer Science Principles I Computer Science Principles II ♦ **Network Administration:** Network Administration I Network Administration II ♦ **Python Programming:** Python Programming I Python Programming II ♦ **SAS Programming:** Computer Science Principles I OR AP Computer Science Principles AND SAS Base Programming ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**3 Career Pathways** **Emergency Medical Technology:** Emergency Medical Technology I Emergency Medical Technology II ♦ **Firefighter Technology:** Firefighter Technology I Firefighter Technology II ♦ *Career Pathway Major:* *Firefighter Technology III* **Public Safety:** Public Safety I Public Safety II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**3 Career Pathways** **Advanced Manufacturing:** Adv. Manufacturing I Adv. Manufacturing II ♦ **Metals Manufacturing:** Metals Manufacturing I Metals Manufacturing II ♦ **Woodworking:** Woodworking I Woodworking II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**2 Career Pathways** **Marketing Management:** Marketing Marketing Applications ♦ **Sales:** Sales I Sales II ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**2 Career Pathways** **Drafting Engineering:** Drafting I Drafting II- Engineering ♦ *Career Pathway Major:* *Drafting III - Engineering* **PLTW Engineering:** PLTW Introduction to Engineering Design OR PLTW Principles of Engineering AND PLTW Digital Electronics ♦ OR PLTW Civil Engineering & Architecture ♦ *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies Cooperative Education	**3 Career Pathways** **Automotive Services:** Automotive Service Fundamentals Automotive Service I Automotive Service II ♦ *Career Pathway Major:* *Auto Service III* **Collision Repair:** Collision Repair Fundamentals Collision Repair I Collision Repair II ♦ **Diesel Academy (LCO) – (SWHS Only):** Diesel Engine Tech I Diesel Engine Tech II ♦ Diesel Engine Tech III *Career Pathway Major for all Pathways in Cluster:* CTE Advanced Studies
Supplemental Technical Courses Principles of Family & Human Services	**Supplemental Technical Courses** Microsoft Excel	**Supplemental Technical Courses** Health Science I	**Supplemental Technical Courses** Project Management I	**Supplemental Technical Courses** Adobe Visual Design Principles of Business & Finance	**Supplemental Technical Courses** Marketing	**Supplemental Technical Courses** Python Programming I
Supplemental Employability Skills Courses: Career Management; Microsoft Word & PowerPoint							

*Students must complete the two or three course sequence under a particular "Career Pathway" to be a CTE Concentrator.
**Concentrator course is designated by the ♦ symbol.
***Supplemental courses do **not** count in concentrator status.

High School CTE Courses Earning Articulated Credit in the NC Community College System

Criteria:
1. **Grade of B or higher in the course.**
2. **Score 93 or higher on the CTE State Assessment to earn articulated credit (90 or higher for WCC)**
3. **Enrollment at the community college within 2 years of high school graduation.**

Program Area	Course Code	Course Name
Agricultural Education	AA22	Animal Science II *
	AS32	Agricultural Mechanics II *
	AP41	Horticulture I *
Business, Finance & Information Technology	BA10	Accounting I *
	BA20	Accounting II *
	BB30	Business Law *
	BM10	Microsoft Word & PowerPoint *
	BM20	Microsoft Excel *
	BD10	Multimedia & Webpage Design
	BF10	Principles of Business & Finance *
Career Development Education	CC45	Career Management * *(student must also earn NCRC)*
Family & Consumer Sciences Education	FC11	Principles of Family & Human Services *
	FN41	Food and Nutrition I
	FN42	Food and Nutrition II
Health Science Education	HU40	Health Science I *
	HU42	Health Science II
Marketing & Entrepreneurship Education	ME11	Entrepreneurship I
	MM51	Marketing *
	MA52	Marketing Applications *
	MH31	Sports & Entertainment Marketing I *
	MH42	Hospitality & Tourism *
	MU92	Strategic Marketing *
Technology Engineering and Design Education	TP11	PLTW Intro to Engineering Design *
	TP12	PLTW Principles of Engineering *
	TP23	PLTW Civil Engineering & Architecture *
	TP21	PLTW Digital Electronics *
Trades & Industrial Education	IC00	Construction Core
	IC21	Carpentry I
	IC22	Carpentry II
	IC23	Carpentry III
	IC11	Masonry I
	IC12	Masonry II
	IC13	Masonry III
	IC61	Drafting I *
	IC62	Drafting II – Architectural *
	IV22	Drafting II – Engineering *
	IV23	Drafting III – Engineering *
	IT16	Automotive Service I *(must complete MLR Task List)*
	IT17	Automotive Service II *(must complete MLR Task List)*
	IT18	Automotive Service III *(must complete MLR Task List)*
	IL50	Diesel Engineering Technology I **
	IL51	Diesel Engineering Technology II **
	IL52	Diesel Engineering Technology III **

* Local Articulation Agreement with Wayne Community College – student must score 90 or higher to earn articulated credit at WCC

** Local Articulation Agreement with Johnston Community College – student must score 78 or higher (raw score) to earn credit

All classes are not offered at all schools.

Notes

Notes