

CALDWELL COUNTY SCHOOLS



**CURRICULUM GUIDE
FUTURE READY CORE**

**Caldwell County Schools
High School Curriculum Guide
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North Carolina Course of Study and Graduation Requirements

Graduating Future Ready

The **Future Ready Core Course of Study** prepares students for entering college and the workforce. The Future Ready Core requires four math courses for all students in order to meet admission requirements for colleges and community colleges as well as the demand from employers for similar academic skills. Students will be prepared for whatever option they decide to embark upon after high school. The Future Ready Core also recommends four courses in a particular concentration area, chosen by the student, to focus student learning. Specific course requirements are outlined in the chart below.

The **Future Ready Occupational Course of Study** is an option for students who meet particular qualifications. Students and their parents may contact their school counselor or the Exceptional Children’s Department for more information about this course of study.

Subject	Future Ready Core	Future Ready Occupational Course of Study*
English	5 credits: Communication Skills (elective credit), English I, II, III, IV	4 credits: English I, II, III, IV (FROCS)
Math	4 credits: NC Math 1, 2, 3, and a fourth math aligned to post high school plans	3 credits: Intro to Math, Math I, and Financial Management
Science	3 credits: Earth/Environmental Science, Biology, and a physical science	2 credits: Applied Science and Biology (FROCS)
Social Studies	4 credits: <ul style="list-style-type: none"> • World History • Founding Principles of the United States of America and North Carolina: Civic Literacy (FPUSNCCL) • American History • Economics and Personal Finance 	2 credits: FPUSNCLC (Civic Literacy) and Economics and Personal Finance
Health & PE	1 credit — to include the successful completion of CPR instruction	1 credit
World Languages	Not required for graduation but IS REQUIRED for UNC Admissions 2 credits in the same language required to meet the minimum application requirements for UNC admission	None
Other Electives	11 credits required 2 credits any combination from: <ul style="list-style-type: none"> • Career and Technical Education (CTE) • Arts Education • World Languages 4 credits strongly recommended (2-4 course concentration) from one of the following: <ul style="list-style-type: none"> • Career and Technical Education • JROTC • Arts Education • Any subject area (i.e. English, math, science, etc.) 	4 Career Technical Education (CTE) credits AND 6 Occ Prep credits-minimum: 9th grade -Occ. Prep I (1 sem) 10th grade -Occ. Prep II (yr long) (150 hours total by 10th grade) 11th grade -Occ. Prep III and Career Training (2 periods each semester) and 225 hours 12th grade -Occ. Prep IV and Career Training (2 periods each semester) and 225 hours *600 total hours in training and work hours
Total Credits	28 credits	22 credits

Future Ready Core- Suggested Course Sequence

Subject	9th	10th	11th	12th
English	Communication Skills and English I* OR Honors Communication Skills and Honors English I*	English II* OR Honors English II*	English III* OR Honors English III* OR AP English Language	English IV* OR Honors English IV* OR AP English Literature
Math	Foundations of NC Math 1 & NC Math 1* OR	Foundations of NC Math 2 & NC Math 2* OR	NC Math 3* OR	Fourth Math*
	NC Math 1* OR	NC Math 2* OR	NC Math 3* OR	Fourth Math*
	Honors NC Math 1* & Honors NC Math 2* OR	Honors NC Math 3* OR	Fourth Math Options: NC Math 4 CCRG Math (does not meet UNC Admissions) Discrete Mathematics for Computer Science AP Statistics AP PreCalculus AP Calculus AP Computer Science Principles (does not meet UNC Admissions) CCC&TI Math courses (CCP)	
	NC Math 1* & NC Math 2* or NC Math 2* OR	NC Math 3* OR NC Math 3* & a fourth math*		
	NC Math 2* & NC Math 3* OR Honors NC Math 2* & Honors NC Math 3*	Fourth Math*		
Science	Earth Science OR Honors Earth Science OR AP Environmental Science	Physical Science OR Honors Biology	Biology OR Honors Biology OR Chemistry OR Honors Chemistry	AP Biology AP Chemistry AP Enviro. Science Physics Science Electives
Social Studies	World History OR Honors World History OR AP World History Modern	Founding Principles of the United States of America and North Carolina: Civic Literacy* OR Honors Founding Principles of the United States of America and North Carolina: Civic Literacy* OR AP United States Government and Politics	American History OR Honors American History OR AP United States History Prep & AP United States History OR HIS 131 & HIS 132	Economics and Personal Finance OR Honors Economics and Personal Finance
Health & PE	Health and PE*			
Electives	2 credits from: Career and Technical Education (CTE), Arts, and/or World Languages course concentration recommended from: CTE, JROTC, Arts, or any subject area (English, math, science, etc.)			

Future Ready Occupational Course of Study- Suggested Course Sequence

Subject	9th	10th	11th	12th
English	English I*	English II*	English III*	English IV*
Math	Introduction to Mathematics*	Math I*	Financial Management*	
Science	Applied Science* (can be taken in 9th grade or 10th grade)		Biology* (Taken by 11th grade)	
Social Studies		Founding Principles of the United States of America and North Carolina: Civic Literacy* (Can be taken in 9th or 10th grade)		Economics and Personal Finance* (Taken in 12th grade year)
Health & PE	Health and PE*			
Occupational Preparation	Occupational Prep I (Fall OR Spring)	Occupational Prep II- Fall AND Spring	Occupational Prep III (Fall AND Spring) Career Training I (Fall) Career Training II (Spring)	Occupational Prep IV (Fall AND Spring) Career Training III (Fall) Career Training IV (Spring)
Required Hours		150 combined school based work hours by end of Occ Prep II	225 community based work hours by end of Occ Prep III	225 hours of integrated paid employment
Electives	1 CTE Elective	2 CTE Electives	1 CTE Elective	Elective-open

North Carolina Department of Public Instruction

Math Planning

Students planning admission into UNC System institutions	
Core Mathematics Courses	NC Math 1 NC Math 2 NC Math 3
Accepted Fourth Math Courses for UNC System institutions	
High School Courses	Community College Courses
NC Math 4 Discrete Math for Computer Science Pre-Calculus AP Calculus AB AP Calculus BC AP Statistics	MAT 143 (Quantitative Literacy) MAT 152 (Statistical Methods I) MAT 171 (Pre-Calculus Algebra) MAT 172 (Pre-Calculus Trigonometry) MAT 263 (Brief Calculus) MAT 271 (Calculus I)

Students planning to attend a community college or a technical school		
Core Mathematics Courses	NC Math 1 NC Math 2 NC Math 3	
Accepted Fourth Math Courses as the fourth math requirement		
High School Courses	Application-Based CTE Courses	Community College Courses
Foundations of Math 1 Foundations of Math 2 CCRG Mathematics NC Math 4 Discrete Math for Computer Science AP Calculus AB AP Calculus BC AP Statistics AP Computer Science Principles	BA10 Accounting I BA20 Accounting II FA31 Apparel I FA32 Apparel II IC21 Carpentry I BM20 Microsoft Excel FH10 Culinary Arts and Hospitality I	MAT 143 (Quantitative Literacy) MAT 152 (Statistical Methods I) MAT 171 (Pre-Calculus Algebra) MAT 172 (Pre-Calculus Trigonometry) MAT 263 (Brief Calculus) MAT 271 (Calculus I)
	Pairs of Application-Based CTE Courses	
	IC11 Masonry I and IC12 Masonry II IC22 Carpentry II and IC23 Carpentry III FI21 Interior Design Fundamentals and FI23 Interior Design Technology	

****For any additional questions about Math requirements, please review the [North Carolina Mathematics Graduation Requirements Options Charts](#) or check with your high school counselor for more information.****

Course Selection Process

Students should complete the course selection and registration process carefully. Students select 8 courses for the year with 3 alternate selections. Low enrollment, class overloads, and scheduling problems may necessitate alternate courses to be scheduled. The school administration determines when courses are offered. Note the following facts that affect registration and the course selection process:

- A student should take a full schedule—4 classes per semester, 8 classes per year.
- The master schedule is run numerous times in an effort to reduce scheduling conflicts to the lowest possible number. Approximately 40% of the student body will not receive all 8 course selections initially chosen. Instead, students will be scheduled into alternate courses.
- Many courses are “singletons,” meaning there is only one section offered during the school year. These courses make master scheduling difficult, but the classes are important enough to keep them in the schedule (i.e., Band, Chorus, Honors and AP courses, various upper level technical courses.)
- **Each course taken by a student (at any point during their high school career) will be configured into the student’s grade point average (GPA)*.** This includes academic, honors, Advanced Placement (AP), and college courses taken for credit. Please discuss consideration for extending a regular course load with your counselor, as it has some advantages (experience and rigor) and some disadvantages (potential negative impact on GPA). Please note that each student’s course selections are personalized and should be discussed with their counselor. **Effective for all students beginning the 2022-2023 SY*
- If students plan appropriately, students can meet all graduation requirements and graduate from high school in less than four years. Please discuss the option of early graduation with a school counselor if you are interested.
- Early Graduation may be considered for graduation before the completion of eight semesters of high school. Please review the [CCS Board Regulation 3460-R Graduation Requirements, Section III](#) for specific and timely requirements.

Schedule Changes

Much attention is given to careful course selection and creating a master schedule which allows the greatest number of students the best schedule possible. Schedule changes are limited following the completion of registration. A drop/add period will be scheduled during the summer before school begins. The dates of the drop/add period are listed on the student’s schedule that is distributed during the summer. Any student wishing to make a revision in his or her schedule must do so within the summer drop/add period. A request for a summer schedule change is considered:

1. If a student wishes to balance his/her academic load: considered on a “space available” basis.
2. If a student schedule has a sequencing issue: considered on a “space available” basis (i.e. Spanish I, Spanish II).
3. If a student received a course for which he/she did not register. Alternates are considered to be registered courses.
4. If a student passed a course which he or she assumed he/she would fail.
5. If a student failed a course required for graduation.
6. Where possible, if a student failed a course, registered for the course again, and was assigned the same instructor.

All schedules are considered final when they are distributed on the first day of each semester. Schedule changes may be made at the beginning of spring semester for reasons 3-6 noted above. Revisions to balance academic loads and/or sequence courses must be addressed BEFORE the school year begins. Students who have legitimate schedule conflicts should talk with a counselor about schedule changes in the summer before school begins.

- ***Students must be registered for eight units each school year and four courses each semester.***

The North Carolina Department of Public Instruction states that students may not drop courses after the first 10 days of school for each semester.

Credit by Demonstrated Mastery

Credit by Demonstrated Mastery (CDM) allows students the opportunity to personalize and accelerate their learning by earning credit for a course through the demonstration of mastery of course material without requiring the student to complete classroom instruction for a certain amount of time. To show a deep understanding of the course content, students will complete a two phase process.

- Phase 1 consists of a state or local assessment aligned to the course. Students must pass the assessment by scoring at a superior level before moving to the second phase.
- Phase 2 students will be asked to demonstrate their mastery of the course content through a minimum of a written assignment and a presentation. Phase 2 requirements will vary from course to course but will be directly related to the knowledge and skills of the course.

Students must submit an application indicating their desire to earn Credit by Demonstrated Mastery prior to enrolling in the course. Application deadlines are established for each window. Students must meet application deadlines in order to start the process. Students and parents are encouraged to discuss CDM with a school counselor to determine if this is the best choice for them.

Caldwell County Schools Promotion Standards

Students are classified in grade levels according to the following promotion standards:

- 9th grade successful completion of **8th grade**
- 10th grade successful completion of **6 units** of credit
- 11th grade successful completion of **13 units** of credit
- 12th grade successful completion of **20 units** of credit

Athletic Participation Requirements

According to the North Carolina High School Athletic Association (NCHSAA), in order to be eligible for athletic participation, a student must meet the following criteria:

1. Pass the minimum academic load during the preceding semester (i.e. pass 3 of 4 courses on a block schedule).
2. Meet the district attendance requirement. Be in attendance for at least 85% of the preceding semester.
3. Meet promotion standards set forth by the Caldwell County Board of Education (noted above). Please visit the [NCHSAA website](#) for additional information.

Caldwell County Weighted Grade Policy

North Carolina high schools are required to follow North Carolina State Board of Education policy concerning weighting grades. These guidelines (1) identify the basic requirements for courses that may be weighted, (2) identify the weighting that can be applied to the course, and (3) list special courses that must be weighted. The appropriate weights for each course appear on the North Carolina transcript that is printed for each student.

Levels of Courses:

Academic: standard level of classes that are offered at the respective high schools.

Honors: higher level versions of academic courses. Honors courses have a more rigorous curriculum and higher expectations for student work as required by the state of North Carolina.

AP: course content has been adopted by the College Board program and is geared to enable students to pass the Advanced Placement (AP) test. As a result, only courses specifically identified by the College Board may receive AP credit .

College: courses taught by a community college, college, or university where course content, pace, and academic rigor are, by definition, college-level. [Dual Credit Allowances for College & Career Promise](#)

***All Caldwell County high schools use a grading scale without pluses and minuses in accordance with state policy**

Courses Eligible for Weight

	Grade Point Average (GPA) Scale for High School				
Non Weighted Courses	A= 4.0	B= 3.0	C= 2.0	D= 1.0	F= 0.0
Honors Courses	A= 4.5	B= 3.5	C= 2.5	D= 1.5	F= 0.0
Advanced Placement Courses	A= 5.0	B= 4.0	C= 3.0	D= 2.0	F= 0.0
Eligible College Courses	A= 5.0	B= 4.0	C= 3.0	D= 2.0	F= 0.0

Courses eligible for weight include 9th grade and higher courses that fall into one of the following categories:

- ◆ Honors sections of standard, academic and Career Technical Education (CTE) courses
- ◆ Pre-Calculus, mathematics courses beyond the level of Calculus
- ◆ World Language courses beyond the second level are considered inherently honors
- ◆ Arts education courses at the proficient and advanced levels
- ◆ Advanced Placement (AP) courses—[College Board](#)
- ◆ Community college courses included on the most recent [Comprehensive Articulation Agreement \(CAA\) Transfer List](#) and [Dual Credit Allowances for College & Career Promise](#).
- ◆ Courses taught at four-year universities and colleges

Recognition at Graduation

High schools recognize academic achievement of students with an overall four year weighted GPA of 3.500 or higher as graduating with honors. No valedictorian or salutatorian is designated. Recognition is determined at the end of the third nine weeks.

Students are recognized as follows:

- GPA of 3.5 to 3.99—Cum Laude
- GPA of 4.0 to 4.40—Magna Cum Laude
- GPA above 4.40— Summa Cum Laude

North Carolina High School Diploma Endorsements

Students can earn Career, College, College/UNC, Global Languages, or North Carolina Academic Scholars diploma endorsements. Students can earn multiple endorsements if they meet the criteria established. The criteria for each endorsement is listed below.

Career Endorsement

- ◆ Complete NC Math 1, NC Math 2, NC Math 3, and fourth math course aligned with a student’s post secondary plans
- ◆ Complete a CTE concentration in one of the approved CTE pathways
- ◆ Earn 2.6 unweighted GPA or higher
- ◆ Earn at least one industry-recognized credential
- ◆ Earn at least the ACT benchmark reading score (22)

College Endorsement

- ◆ Complete NC Math 1, NC Math 2, NC Math 3, and fourth math course aligned with a student’s post secondary plans
- ◆ Earn 2.6 unweighted GPA or higher
- ◆ Earn at least the ACT benchmark reading score (22)

College/UNC Endorsement

- ◇ Complete NC Math 1, NC Math 2, NC Math 3, and fourth math course that meets UNC minimum admissions requirement
- ◇ Complete three units of science to include one physical science, one biological science, and one laboratory science course that must include physics or chemistry
- ◇ Complete US History or equivalent coursework
- ◇ Complete two units of a world language (other than English)
- ◇ Earn at least the ACT benchmark reading score (22)

Global Languages Endorsement

- ◇ Earn a combined 2.5 GPA for the four state required English graduation requirements
- ◇ Show proficiency in one or more languages in addition to English. Proficiency can be shown through an external approved exam, completing a four-course sequence of study in the same language, or Credit by Demonstrated Mastery
- ◇ English Language students shall complete the above requirements AND reach “Developing” proficiency per the World-Class Instructional Design and Assessment (WIDA) proficiency scale in all four domains

North Carolina Academic Scholars Endorsement

Students must begin planning for this program before entering grade 9 to ensure they obtain the most flexibility in their courses.

- ◇ Seniors must also have an overall **four-year unweighted GPA of 3.500 or higher by the third nine weeks.**
- ◇ Students have to complete all of the requirements listed below to earn this endorsement.

Credits	Subject Area
4	English I, II, III, IV
4	Mathematics—NC Math 1, 2, 3 and a fourth math with NC Math III as a prerequisite
3	Science—Physics or Chemistry, Biology, and Earth/Environmental Science
4	Social Studies—World History, FPUSNCL (Civic Literacy), American History, and Economics and Personal Finance
1	Health and Physical Education
6	Elective Credits: <i>Two elective credits in a world language required for the UNC system, four elective credits constituting a concentration recommended from one of the following: CTE, JROTC, Arts Education, Second Languages, or any other subject area</i>
3	<i>Higher level courses taken during junior and/or senior years which carry weighted quality points such as AP or college courses, advanced CTE or CTE credentialing courses, online courses, or honors courses</i>
25	Total Requirements

President’s Education Awards Program

When planning for courses, students may wish to consider participation in the President’s Education Awards Program with the following criteria:

- ◇ Earn 3.5 unweighted GPA on a 4.0 scale through fall semester of the senior year
- ◇ Score 85th percentile on either the verbal or math portion of SAT I or subject test or composite ACT score.
- ◇ Earn at least 12 units from the following areas: English, math, science, social studies, geography, and world languages.

High School Course Descriptions

Course descriptions are listed later in this guide. The grade levels accompanying each description represent the recommended course sequencing for the majority of high school students. Students seeking to register to take a course in an earlier grade level than what is recommended should seek individual approval first from their counselor, with final approval coming from the appropriate building-level administrator or designee. Registration exceptions could apply to students who have earned Credit by Demonstrated Mastery or who have earned high school credit during middle school.

High School Curriculum Guide Example

Biology—33202X0GB (a) **(1 Science Credit)** (b)

The study of biology provides an opportunity for students to gain understanding of the fundamental principles of living things. Major topics of study include scientific background, the nature of life, the continuity of life, microbiology, genetics, plants, animals, and ecology. Lab investigations will accompany each area of study. (c)

Year Recommended: 11 (d) **Schools:** CASA, G, H, SC, WC, V (e) **Required:** Yes (f) **Test:** State (g)

Weighted: No (h) **Prerequisite:** N/A (i)

How to read a course description:

a — Course name and course code

b — The number and type of credit earned for passing the course.

c — A brief description of the course.

d — Most appropriate grade level or levels for this course.

e — The location(s) the course is offered. (V= Virtual course offering)

f — Lists if the course is a graduation requirement.

g — The type of final exam for this course - State, CTE State Assessment, CTE Performance Based Measure (PBM), CTE Credential, or local test.

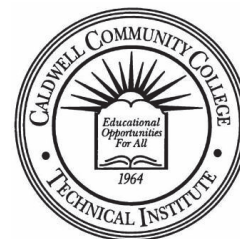
h — If the course is weighted or not weighted.

i — List the courses or grades required to take the course



Caldwell Applied Sciences Academy

2857 Hickory Boulevard SW
Hudson, NC 28638



Principal: Chris Greene

Counselor: Tammy Beck

Phone: (828) 759-4640 **FAX:** (828) 759-4672

Website: www.caldwellschools.com/casa

Mission: Caldwell Applied Sciences Academy stimulates the academic and professional development of students through rigorous instruction while fostering core ethical values.

Vision: Caldwell Applied Sciences Academy aspires to be an exemplary school that prepares students in their chosen fields of study and equips them to be responsible citizens both locally and globally.

The Caldwell Applied Sciences Academy (CASA) is an innovative high school located on the campus of Caldwell Community College and Technical Institute. At CASA high school, students complete their high school course of study while also earning industry credentials as each work toward completion of a two-year associate degree. Students will be prepared for postsecondary study at a four-year college, continuation of studies at the community college, or successful entry into the workforce. Students will experience project-based instruction and many hands-on activities throughout their four years at CASA. Students will be part of one of three academies depending on the interest of the student: the Academy of Health and Life Sciences, the Academy of Engineering, or the Academy of Advanced Technologies.

----- The Academy of Health and Life Sciences -----

The Health Sciences Academy prepares students for health careers such as nursing, medicine, veterinarian, physical therapy, forensic science, and more. In this academy, students work collaboratively to complete experiments and solve problems to learn how the world affects the human body and other organisms. Through this process, students also learn how to think like scientists and use scientific equipment through hands-on inquiry activities. Students have the opportunity to earn the following:

Associate of Science or Associate of Arts 2-year Transfer Degree

Certificates:

- Nurse Aide I
- Medication Aide
- Emergency Management
- BioPharma
- Medical Office Assistant

College credits towards the following:

- Practical Nursing Diploma
- Medical Sonography
- Medical Assisting
- Nuclear Medicine Technology
- Radiography
- Cardiovascular Sonography
- Physical Therapy
- Speech Language Pathology Assistant

----- The Academy of Engineering -----

The Engineering Academy prepares students for the world of Mechatronics. This type of engineering focuses on engineering and mechanical systems and includes a combination of robotics, electronics, computers, telecommunications, system control, and product engineering. This course of study prepares students to use basic engineering principles and technical skills in developing and testing automated servomechanical and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, system analysis, and maintenance procedures.

Graduates should be qualified for employment in industrial maintenance and manufacturing, including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems. They should qualify to sit for the Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations. Students have the opportunity to earn the following:

Mechatronics (Associate in Applied Science Degree)

Mechatronics (Certificate)

Careers in Mechatronics include:

- Robotics Engineer/Technician
- Automation Engineer
- Control System Design Engineer
- Electronic/Mechanical Design Engineer

Other available program areas include:

- Welding Technology
- Mechanical Engineering Technology
- Electrical Systems Technology

----- The Academy of Advanced Technologies -----

“Where students are encouraged to become producers of content rather than just consumers of content.”

This academy prepares students for entry-level jobs in the digital design and multimedia industry. Students “learn by doing” to develop skills in communication, critical thinking, and problem solving.

Students have the opportunity to earn the following:

Digital Media & Mobile Application Development (Associate in Applied Science Degree)

Digital Media (Certificate)

Mobile Application Development (Certificate)

In Digital Media, students learn graphic design, animation, audio production, video production, and web design. In Mobile Application Development, students learn Apple’s Swift programming language and Xcode software to develop apps for the iPad and the iPhone. Students use current and emerging standards and technologies such as Apple computers, Adobe Creative Suite, professional video and audio equipment, drawing tablets, mobile devices, and much more.

Other available program areas include:

- Networking & Cyber Security (AAS)
- Cyber Security & Networking (Certificate)
- Computer Programming & Development (AAS)
- Computer Programming (Certificate)





CALDWELL EARLY COLLEGE HIGH SCHOOL

2859 Hickory Boulevard
Hudson, North Carolina 28638



Principal: Meredith Griffin—mgriffin@caldwellschools.com
School Counselor: Katie Richards—krichards@caldwellschools.com
Phone: 828-759-4636 Fax: 828-759-4666
Counseling Office: 828-759-4637

Website: www.caldwellschools.com/cechs

Caldwell Early College High School is an innovative high school that was created in 2006 out of a partnership between Caldwell County Schools and Caldwell Community College and Technical Institute (CCC&TI), with the support of North Carolina New Schools. Located on the CCC&TI campus, Caldwell Early College High School provides a small learning community of approximately 400 students with the opportunity to earn both a high school diploma and college transfer credit up to and including a college transfer associate's degree.

Mission: Caldwell Early College High School will provide a learning community where students believe that educators know them, care about them, and expect them to succeed.

Vision: Caldwell Early College High School will graduate all of its students ready for college, career, and life.

Grade Span: Grades 9 - 13, Only entry point is 9th grade

Accreditation: North Carolina Department of Public Instruction and Southern Association of Colleges and Schools

Expectation: Commit to completing Bachelor's Degree

Graduation: High School Diploma following graduation Associate degree or college transfer credit

Student Population:

- Representative of Caldwell County's student population with regard to geographic, ethnic, socioeconomic, and academic diversity
- Representative of all eight Caldwell County middle and K-8 schools, as well as private and homeschools
- Selected through application process completed in the 8th grade
- Approximately 85 students per grade level
- Emphasis on students who will be the first in their family to graduate from college and groups who are underrepresented in higher education
- Motivated students able to handle a collegiate setting and capable of managing college-level coursework

Curriculum:

- Students will complete North Carolina and Caldwell County high school graduation requirements for the Future-Ready Core Course of Study
- Freshman, sophomore, and junior high school classes are year long with four nine week grading periods; senior, fifth year, and college classes are semester long with semesters ending in December and May.
- Some high school graduation requirements will be met by completion of designated college courses.
- College coursework begins in the freshman year; students receive high school and college credit for all college transfer courses
- Students must pass pre-requisite placement testing for college classes.
- Service learning and career exploration are integrated into the curriculum.

High school courses offered include:

English	Honors English I	Honors English II	Third and fourth English requirements may be met by completion of CCC&TI ENG 111, 112 AND ENG 231 or 232 AND ENG 241 or 242	
Mathematics	Honors Math I	Honors Math II	Honors Math III	Fourth advanced math requirement may be met by completion of CCC&TI MAT 171
Science	Honors Earth/ Environmental Science	Honors Chemistry	Honors Biology	
Social Studies* *Course sequence	Honors Civics	Honors American History	Honors World History or CCC&TI HIS 111 and 112	Honors Economics and Personal Finance (EPF)
Second Language	Spanish I	Spanish II		
Electives—1 credit	Seminar—9, 10, 11, 12, 13*	College and Career Readiness**	Other electives are satisfied through CCC&TI college transfer courses.	

**All Seminar courses are designed to support student development of skills necessary for success in college, career, and life. Students focus on time-management, writing, presentation skills, and public speaking as well as learning to work in a group as an effective team collaborator. Service learning is a central component of all seminar courses. Students volunteer at local elementary schools, service organizations, and community agencies.*

Freshman Seminar—Focus on “Understanding Who I Am” through reading Ron Clark’s *The Essential 55* and *Seven Habits of Highly Effective Teens* by Sean Covey. Students learn to use resources effectively and are introduced to college and career expectations.

Sophomore Seminar—Focus on “Exploring Where I Am” through Caldwell County tours creating artifacts to preserve county history and culture. Students analyze the significance of good decision making through the study of *The Six Most Important Decisions You’ll Ever Make* by Sean Covey.

Junior Seminar—Focus on “Finding My Place” through career exploration and the study of *What Color is Your Parachute* by Richard Bolles and *How to Win Friends and Influence People* by Dale Carnegie. Students complete career planning inventories, participate in job shadowing, and compare and contrast universities.

Senior/Fifth Year Seminar—Focus on “Making It Happen” and “Planning for the Road Ahead” through individualized plan assessments, college success strategies, and examining university choices and options. Students learn to navigate the university system independently. Students gain an understanding of the process involved with applying and paying for the completion of a university degree while learning to be a full time college student. Students receive support in applying for and selecting a university.

****Career and College Readiness**—An extension of senior/fifth seminar with a focus on ACT and SAT preparation and college essay writing.

Grading:

Beginning with the ninth grade, the cumulative grade point average includes all high school and college coursework. Caldwell County Schools and CCC&TI use a 10 point grading scale for all high school and community college students.

Caldwell Online Academy

High School Information

2023-24



Caldwell Online Academy (COA) is a FREE online public school option available for Caldwell County students. At the high school level, the school offers core and elective classes in an online format to meet the needs of students and families. High school courses will be taught by certified teachers and will include a mix of synchronous and asynchronous classes.



Successful Online Learners are...

Self-Motivated
Responsible
Engaged
Responsive
Willing to self-advocate
Persistent
Technologically curious
Supported/monitored by family

Admission Requirements:

- Student must reside in the district or be approved for an out-of-district transfer in accordance with Caldwell County School district policy.
- Student must meet the same enrollment criteria outlined in 115C-364 and required by the district for traditional enrollment.
- Student must have had passing grades in all core academic subjects in the prior school year and must have an acceptable attendance and discipline record.
- Elementary students must have met Read to Achieve proficiency status.
- Exceptional children placement must be agreed upon by the student's IEP team.
- Dual enrollment forms per CCS Board Policy 3103 must be completed for any homeschool or private school students seeking partial online enrollment of a one-half day schedule.
- Student and parent/guardian must attend an in-person orientation session specific to their grade range prior to the first day of school.
- COA Student/Family Commitment Compact must be signed by student and parent/guardian at orientation signifying agreement to: the student code of conduct; the understanding of the weekly schedule and course expectations; committing appropriate time and effort required to be successful; and to ensuring students attend all required in-person testing.

* The application window for the Caldwell Online Academy 2023-24 school year will run from Feb. 1, 2023 through March 31, 2023. Waitlist status begins on April 1, 2023.

* A parent/guardian with legal custody of the student must complete the online COA application for an interested student by 3/31/23. Students are NOT permitted to apply for themselves.

* Students/families will be notified of acceptance decisions by May 3, 2023.

* Families must then send back their RSVP confirmation of the Caldwell Online placement by June 15, 2023.

* Please complete this [COA Director's Contact form](https://tinyurl.com/4yjhk2zd) <https://tinyurl.com/4yjhk2zd> to be notified of two events:

- the late January 2023 COA information session that will be held at the Education Center, and
- release of the application by 2/1/23 (the application link can be sent directly to you).

For the 2023-24 high school registration process (which takes place in Spring 2023), all students will register for courses with their base high school, including those who are currently Caldwell Online students.

*Prospective COA students for 2023-24 should look for courses marked with a (V) for a virtual offering in the course descriptions in this Guide. *This is a helpful suggestion, not a requirement.*

*Career & College Promise (CCP) classes may also be included in a COA student's schedule for those who qualify.

*However, all accepted COA students will undergo a schedule review and adjustment, if necessary.

*High school students can have a partial online/partial in-person schedule if both principals agree and the appropriate combination of available classes permit this arrangement. Families should complete the COA application for their student to be considered for this option.

QUESTIONS: Contact Julie Hall, Caldwell Online Director, at juhall@caldwellschools.com or (828) 728-8407



Advanced Placement (AP) High School Course Offerings



Caldwell County Schools offers a variety of Advanced Placement (AP) courses across five disciplines. These courses must meet the guidelines provided by the College Board to ensure that the quality and rigor of the class is equivalent to an introductory level college course.

In order to earn college credit, students enrolled in AP courses must score high enough on the AP exam to meet the criteria established by colleges and universities. Each college sets their own criteria for which they will award college credit. AP courses are available in English, math, science, social studies, CTE, and the arts. Speak with your school counselor to learn more about the benefits of taking AP courses.

In Caldwell County Schools, all students enrolled in AP courses take the AP exam as funding is provided by the state of North Carolina.

Course	School	Grade Level
AP Language and Composition	H, SC, WC	11
AP English Literature and Composition	H, SC, WC	12
AP Seminar (Capstone Program)	SC	11
AP Research (Capstone Program)	SC	12
AP Statistics	H, SC	10, 11, 12
AP PreCalculus	H, SC, WC	11, 12
AP Calculus AB	H, SC, WC	11,12
AP Computer Science Principles	H, SC, V	10, 11, 12
AP Computer Science A	SC, V	11, 12
AP Physics	SC, WC	11, 12
AP Biology	H, SC	10, 11, 12
AP Chemistry	H, WC	11, 12
AP Environmental Science	H, SC, WC	9, 10, 11, 12
AP Human Geography	SC, WC	11, 12
AP US Government	H, SC	10, 11, 12
AP US History	H, SC	11, 12
AP World History Modern	H, SC, WC	9, 10, 11, 12
AP Psychology	H, SC, WC	11, 12
AP Studio Art	H, SC, WC	11, 12
AP Music Theory	SC, WC	10, 11, 12

North Carolina Career Clusters – Pathways to Career & College Success
Career & Technical Education (CTE)



To complete Future Ready Core graduation requirements, students must complete 2 elective credits from CTE, Arts or Second Languages. *Completion of Level 2 or Advanced in a CTE Career Pathway better prepares students for careers and further education.* To qualify as a **CTE concentrator** for graduation, students must complete a Level 2 course. See the table below that lists each CTE pathway and the coordinating sequence of courses. CTE offers supplemental courses that are not listed in the chart below.

NC Pathways to Career & College Success

CTE Career Pathway	Prerequisite	Level 1	Level 2	Advanced
Agriculture - Animal Science (ANSC)		AA21 Animal Science I	AA22 Animal Science II	
Agriculture - Plant Systems (PLSV)		AP41 Horticulture I	AP42 Horticulture II	
Agriculture - Power, Structural, & Technical (PSTE)		AS31 Agricultural Mechanics I	AS32 Agricultural Mechanics II	
Architecture - Carpentry (CARP)	IC00 Core Construction	IC21 Carpentry I	IC22 Carpentry II	IC23 Carpentry III
Architecture - Masonry (MASO)	IC00 Core Construction	IC11 Masonry I	IC12 Masonry II	IC13 Masonry III
Architecture - Interior Design (INDE)		FI21 Interior Design Fundamentals	FI22 Interior Design Studio OR FI23 Interior Design Technology	
Arts & Audio Visual - Adobe Academy (ADAC)		II41 Adobe Visual Design I	II42 Adobe Visual Design II OR II45 Adobe Video Design I	
Arts & Audio Visual - Apparel & Textile Production (ATPR)		FA31 Apparel & Textile Production I	FA32 Apparel & Textile Production II	
Business - Entrepreneurship (ENTRE)		ME11 Entrepreneurship I	ME12 Entrepreneurship II	
Business - General Management (GMGT)	BF10 Business Essentials	BB40 Business Management I	BB42 Business Management II	

NC Pathways to Career & College Success, continued

CTE Career Pathway	Prerequisite	Level 1	Level 2	Advanced
Business - Project Management (PMGT)		CS11 Project Management I	CS12 Project Management II	
Finance - Accounting (ACCT)		BA10 Accounting I	BA20 Accounting II	
Health Science - Healthcare Professional (HPCP)		HU40 Health Science I	HU42 Health Science II	HN43 Nursing Fundamentals
Hospitality - Sports & Entertainment Marketing (SEMK)		MH31 Sport & Event Marketing I	MH32 Sport & Event Marketing II	
Hospitality - Travel & Tourism (TRTO)		MH31 Sport & Event Marketing I OR MM51 Marketing OR BF10 Business Essentials	MH42 Hospitality & Tourism	
Hospitality-Culinary Arts (CULI)	FH10 Culinary Arts & Hospitality I	FH12 Culinary Arts & Hospitality II (Internship)	FH13 Culinary Arts & Hospitality III	
Human Services - Early Childhood Development (EACH)		FE60 Child Development	FE11 Early Childhood Education I	FE12 Early Childhood Education II
Human Services - Food & Nutrition (FONU)		FN41 Foods & Nutrition I	FN42 Foods & Nutrition II	
Information Technology - Python Programming (PYPR)		BP14 Python Programming I	BP16 Python Programming II	
Marketing - Marketing Management (MMGT)		MM51 Marketing	MA52 Marketing Applications	
Finance - Financial Planning (FNPL)	BF10 Business Essentials	BF21 Financial Planning I	BF22 Financial Planning II	



Career and College Promise

The purpose of Career and College Promise is to offer structured opportunities for qualified high school students to enroll in community college courses that provide pathways that lead to a certificate, diploma, or degree as well as provide entry-level job skills. Academic credits earned through Career and College Promise shall enable students who continue into postsecondary education after graduating from high school to complete a postsecondary credential in less time than would normally be required.

Some CCP courses are offered at the traditional high schools. If the class is taught at the high school, the tuition is free AND no additional college fees are involved; however, some courses may involve purchasing textbooks. Courses are subject to change, depending on student interest for the courses and availability of high school teachers able to teach the courses. Current course offerings are listed below and are subject to change.

CCP Course	Seated School Sections
MAT 152	H, SC
MAT 171	H, SC
MAT 172	H, SC
MAT 271	SC
MAT 272	SC
BIO 111	H
BIO 112	H
HIS 131	H, SC, WC
HIS 132	H, SC, WC

Highway Room options:

Based on student interest, additional college courses can be taught at the high schools via highway rooms on each high school campus. Information highway courses use video conferencing medium, which enables students to come together from multiple locations with instructors for face-to-face instruction, discussion, collaboration, and problem solving. These classrooms are equipped with two-way audio and video equipment that permit all students to participate fully in the class, regardless of location.

Tuition is free; however, students are responsible for textbooks and fees. These fees could include the cost of uniforms, cosmetology kits, and other course-related materials. Activity fees will also be charged to students in the Caldwell Early College High School, Caldwell Applied Sciences Academy and Career & College Promise students.

Registration

Public school students in Caldwell County Schools wishing to take college classes should discuss their interest and confirm their eligibility with their assigned Transition Advisor.

CCP High School Student Eligibility:

1. Be a high school junior or senior
2. Must have a 2.8+ Unweighted High School GPA OR demonstrate College Readiness on approved assessments in English, Reading, and Math (see next page for assessment information)
3. Direct Placement into Transfer Pathway AND Gateway English and Math Courses

All others may contact the Director of Counseling and Advisement Services with questions. Once you have determined that you are eligible to participate, you should follow the steps below to enroll and register:

1. Choose a CCP pathway which best describes your interests and for which you meet its eligibility. Students may only take approved courses from within their chosen pathway(s). There is a maximum of 2 pathways.
2. Complete and submit the Career and College Promise (CCP) application to your school's Transition Advisor by the deadline. Deadlines vary at each high school. Contact your Transition Advisor for the deadline.
3. Meet with your school's Transition Advisor (virtually or in-person) to ensure the high school transcript and test scores (if needed) are received.
4. Taking CCP courses requires a two- part registration process: registration through PowerSchool and a registration process through CCC&TI. Obtain academic advising from your Transition Advisor (virtually or in- person) to select a course or courses for which you would like to register. Submit your college course requests during high school registration to ensure that your college courses are listed in PowerSchool. Email your Transition Advisor the courses you have listed in PowerSchool so the Transition Advisor can register you for the courses during college registration. Continue to communicate with your Transition Advisor about any course changes to your PowerSchool schedule.
5. Each semester that you wish to take college courses, contact your Transition Advisor in advance for advising and registration. Repeating steps 3 and 4 as necessary.
6. Before college courses begin each semester, ensure that both PowerSchool and Self-Service lists your college courses correctly.
7. Each semester pay any associated student fees and purchase textbooks. (Only tuition is waived for pathway courses.) Students are responsible for activity fees for all courses.
8. Begin classes.

Attendance

Students are expected to attend all regularly scheduled classes. In most classes, if a student's absences reach 20% of the total class hours, the student is dropped from the class and may show a WF (Withdraw Fail) on the transcript. At the first class meeting, the instructor explains the attendance policy for that course and gives the policy to students in writing. A student is responsible for work missed and is expected to be prepared for the next class. Make-up work, although required, does not negate the absence.

Pursuant to G.S. 115D-5, students may request two excused absences per academic year for religious observances. Students requesting absences required by their faith must follow proper procedures and complete the Absence for Religious Form available in Student Services. Students requesting excused absences under this policy must submit the completed form to instructors within a maximum of ten (10) business days after the first class. Students will then be given the opportunity to make up any test or other work missed as required by this statute. Absences for religious observance are included in the number allowed in accordance with the 20% departmental attendance policy.

- College and Career Promise (CCP) classes that meet on the high school campus follow the public school calendar for holidays, snow delays/closings, and semester beginning and ending dates.
- College and Career Promise (CCP) classes that meet on the college campus (including the Caldwell Applied Sciences Academy and Caldwell Early College High School) follow the college calendar and begin on the first day of the semester of the college calendar. Classes follow the college calendar for holidays, snow delays/closings, and semester ending dates.

Behavior/Discipline

In the event of inappropriate behavior, students will be subject to disciplinary action by both the college and the high school. While enrolled in college courses, students must comply with the college's Code of Conduct.

Transition Advisor Contact information

If you have any questions or concerns about the College and Career Promise (CCP), please talk to one of the college's transition advisors who are located at each of the high schools.

Hibriten High School	Sherry Herman	(828)758-7376 ext. 353	sherman@cccti.edu
South Caldwell High School	Mitzi Triplett	(828)396-2188 ext. 3413	mftriplett@cccti.edu
West Caldwell High School	Josie Varela	(828)758-5583 ext. 137	jvarela@cccti.edu

- A student must enroll in one program of study and may not substitute courses in one program for courses in another. The student may change his or her program of study major with approval of the high school principal or his/her designee and the college's chief student development administrator.

College Readiness* Benchmarks on Approved Diagnostic Assessment Tests

Test	PSAT (2014 & Earlier)	PSAT (2015 & Later)	PreACT	ACT	SAT (taken prior to March 2016)	SAT (taken March 2016 or after)
English	45	26	18	18	500	Evidence-Based Reading and Writing: 410
Reading	47	26	22	22	500	
Mathematics	47	24.5	22	22	500	Math: 520



Career and College Promise

CTP-College Transfer Pathways:

I. Associate in Arts (AA) Pathway P1012C

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.

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
Select three:	Humanities/Fine Arts/Communication ART 111, ART 114, ART 115, COM 120, COM 231, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 215, PHI 240 (minimum 2 subjects)	9
Select two:	Social/Behavioral Sciences ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210 (minimum 2 subjects)	9
Select one:	Math MAT 143, MAT 152, MAT 171	3
Select one:	Natural Sciences AST 151/151A, BIO 110, BIO 111, CHM 151, PHY 110/110A	4
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
	Total Credit Hours	32

II. Associate in Science (AS) Pathway P1042C

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.

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
Select two:	<p style="text-align: center;">Humanities/Fine Arts/Communication</p> ART 111, ART 114, ART 115, COM 120, COM 231, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 215, PHI 240 (minimum 2 subjects)	6
Select two:	<p style="text-align: center;">Social/Behavioral Sciences</p> ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210 (minimum 2 subjects)	6
Select two:	<p style="text-align: center;">Math</p> MAT 171, MAT 172, MAT 263, MAT 271, MAT 272	8
Select one group:	<p style="text-align: center;">Natural Sciences</p> AST 151/151A and BIO 110 BIO 111 and BIO 112 CHM 151 and CHM 152 PHY 110/110A and BIO 110 PHY 151 and PHY 152	8
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
	Total Credit Hours	35

III. Associate in Fine Arts in Visual Arts Pathway P1062C

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

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
ART 121	Two-Dimensional Design	3
ART 131	Drawing I	3
Select two:	<p style="text-align: center;">Humanities/Fine Arts/Communications ART 111, COM 120, COM 231, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 215, PHI 240 (minimum 2 subjects)</p>	6
Select two:	<p style="text-align: center;">Social/Behavioral Sciences ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210 (minimum 2 subjects)</p>	6
Select one:	<p style="text-align: center;">Math MAT 143, MAT 152, MAT 171, MAT 271, MAT 272</p>	3
Select one:	<p style="text-align: center;">Natural Sciences AST 111/111A, AST 151/151A, BIO 110, BIO 111, CHM 151, PHY 110/110A</p>	4
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
	Total Credit Hours	32

IV. Associate in Fine Arts in Music Pathway P1072C

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

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
Select two:	<p style="text-align: center;">Humanities/Fine Arts/Communication</p> ART 111, COM 120, COM 231, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 215, PHI 240 (minimum 2 subjects)	6
Select two:	<p style="text-align: center;">Social/Behavioral Sciences</p> ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210 (minimum 2 subjects)	6
Select one:	<p style="text-align: center;">Math</p> MAT 143, MAT 152, MAT 171, MAT 271, MAT 272	3
Select one:	<p style="text-align: center;">Natural Sciences</p> AST 111/111A, AST 151/151A, BIO 110, BIO 111, CHM 151, PHY 110/110A	4
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
MUS 111	Fundamentals of Music	3
MUS 151	Class Music I	1
Select choice:	<p style="text-align: center;">Ensemble</p> MUS 131, MUS 132, MUS 133, MUS 134, MUS 135, MUS 136, MUS 137, MUS 138, MUS 141, MUS 142	2
	Total Credit Hours	32

V. Associate Degree Nursing (ADN) Pathway P1032C

The 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.

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
BIO 168	Anatomy and Physiology I	4
BIO 169	Anatomy and Physiology II	4
Select one:	Humanities/Fine Arts/Communication ART 111, ART 114, ART 115 MUS 110, MUS 112, PHI 215, PHI 240	3
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
PSY 150	General Psychology	3
PSY 241	Developmental Psychology	3
	Total Credit Hours	24

VI. Associate in Arts in Teacher Preparation Pathway P1012T

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

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
EDU 187	Teaching and Learning for All	4
EDU 216	Foundations of Education	3
SOC 225	Social Diversity	3
SPA 111	Elementary Spanish I	3
COM 120 or COM 231	Intro Interpersonal Com/Public Speaking	3
Select two:	<p style="text-align: center;">Humanities/Fine Arts/Communication</p> ART 111, ART 114, ART 115, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 215, PHI 240 (minimum 2 subjects)	6
Select one:	<p style="text-align: center;">Math</p> MAT 143, MAT 152, MAT 171	3
Select one:	<p style="text-align: center;">Natural Sciences</p> AST 151/151A BIO 110 BIO 111 CHM 151 GEL 111 PHY 110/110A	4
Select two:	<p style="text-align: center;">Social/Behavioral Sciences</p> ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210 (minimum 2 subjects)	6
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
	Total Credit Hours	42

VII. Associate in Science in Teacher Preparation Pathway P1042T

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

Course	Course Name	Credit Hours
ACA 122	College Transfer Success	1
EDU 187	Teaching and Learning for All	4
EDU 216	Foundations of Education	3
SOC 225	Social Diversity	3
SPA 111	Elementary Spanish I	3
COM 120 or COM 231	Intro Interpersonal Com/Public Speaking	3
Select one:	Humanities/Fine Arts/Communication ART 111, ART 114, ART 115, ENG 231, ENG 232, ENG 241, ENG 242, MUS 110, MUS 112, PHI 215, PHI 240	3
Select two:	Math MAT 171, MAT 172, MAT 263, MAT 271, MAT 272	8
Select one group:	Natural Sciences CHM 151 and CHM 152 PHY 151 and PHY 152 AST 151/151A and BIO 110 AST 151/151A and PHY 110/110A BIO 111 and BIO 112 BIO 110 and PHY 110/110A	8
Select one:	Social/Behavioral Sciences ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210	3
ENG 111	Writing and Inquiry	3
ENG 112	Writing Research in the Disciplines	3
	Total Credit Hours	45

**** For student seeking direct Placement into MAT 271, please review needed qualification** A student may place directly into MAT 271 if the student has met at least one (1) of the following criteria within the past five (5) years:

- An unweighted HS GPA of 3.5 or higher and a grade of C or higher in the North Carolina Standard Course of Study
- Pre-Calculus course or an equivalent course from another state
- A score of 2 or higher on the AP Calculus AB Exam
- A grade of C or higher in an AP Calculus course and an unweighted HS GPA of 3.0 or higher
- A score of 90 or higher on the ACCUPLACER College-Level Math (CLM) test
- A score of 46 or higher on the trigonometry section of the ACT Compass Math Placement Test
- A score of 580 or higher on the old (prior to March 2016) SAT Math and a grade of C or higher in the North Carolina Standard Course of Study Pre-Calculus course or an equivalent course from another state
- A score of 600 or higher on the new (March 2016 and beyond) SAT Math and a grade of C or higher in the North Carolina Standard Course of Study Pre-Calculus course or an equivalent course from another state
- A score of 24 or higher on the ACT Math and a grade of C or higher in the North Carolina Standard Course of Study Pre-Calculus course or an equivalent course from another state
- A score of 560 or higher on the SAT Subject Test in Mathematics Level 2
- Local diagnostic exam or challenge exam which demonstrates proficiency in Pre-Calculus course(s) competencies

CTE-Career and Technical Certificates and Diplomas:

Automotive Systems Technology Certificate & Diploma Options:

Automotive Systems Technology: Basic Engine Performance (Certificate) C60160ET The Basic Engine Performance certificate is to train students seeking careers as general automotive service technicians.

Course	Course Name	Credit Hours
AUT 181	Engine Performance I	3
AUT 183	Engine Performance II	4
TRN 110	Intro to Transportation Technology	2
TRN 120	Basic Transportation Electricity	5
TRN 170	PC Skills for Transportation	2
	Total Credit Hours	16

Automotive Systems Technology: Basic Undercar (Certificate) C60160UT

The Basic Undercar certificate is to train students seeking careers as general automotive service technicians.

Course	Course Name	Credit Hours
AUT 141	Steering and Suspension	3
AUT 141A	Steering and Suspension Lab	1
AUT 151	Brake Systems	3
AUT 151A	Brake Systems Lab	1
TRN 110	Intro to Transportation Technology	2
TRN 120	Basic Transportation Electricity	5
TRN 170	PC Skills for Transportation	2
	Total Credit Hours	17

Automotive Systems Technology: Engine Repair Servicing (Certificate) C60160RT

The Basic Undercar certificate is to train students seeking careers as general automotive service technicians.

Course	Course Name	Credit Hours
AUT 113	Automotive Servicing I	2
AUT 116	Engine Repair	3
AUT 116A	Engine Repair Lab	1
TRN 110	Introduction to Transport Technology	2
TRN 120	Basic Transportation Electricity	5
TRN 170	Skills for Transportation	2
	Total Credit Hours	15

Automotive Systems Technology (Diploma) D60160T

The Automotive Systems Technology Diploma pathway provides an introduction to transportation industry careers and increases student awareness of the diverse technologies associated with this dynamic and challenging field. It will prepare students to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems.

Course	Course Name	Credit Hours
AUT 113	Automotive Servicing I	2
AUT 116	Engine Repair	3
AUG 116A	Engine Repair Lab	1
AUT 141	Steering and Suspension	3
AUT 141A	Steering and Suspension Lab	1
AUT 151	Brake Systems	3
AUT 151A	Brake Systems Lab	1
AUT 181	Engine Performance I	3
AUT 183	Engine Performance 2	4
COM 120*	Introduction Interpersonal Comm.	3
ENG 111*	Writing and Inquiry	3
TRN 110	Intro to Transportation Technology	2
TRN 120	Basic Transportation Electricity	5
TRN 170	PC Skills for Transportation	2
	Total Credit Hours	36

***Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses.**

****Pathway contains Universal General Education Transfer Component (UGETC) courses.**

Business Administration Certificate & Diploma Options:

Business Administration (Certificate) C25120T

The Business Administration certificate exposes students to various fields of specialty in the business world in addition to preparing students for further study in business operations.

Course	Course Name	Credit Hours
BUS 110	Introduction to Business	3
BUS 115	Business Law I	3
BUS 137	Principles of Management	3
ECO-252	Principles of Macroeconomics	3
MKT 120	Principles of Marketing	3
	Total Credit Hours	15

Business Administration (Diploma) D25120T

The Business Administration diploma exposes students to various fields of specialty in the business world in addition to preparing students for further study in business operations.

Course	Course Name	Credit Hours
ACC 120	Principles of Financial Accounting	4
ACC 121	Principles of Managerial Accounting	4
BUS 110	Introduction to Business	3
BUS 115	Business Law	3
BUS 121	Business Math	3
BUS 125	Personal Finance	3
BUS 137	Principles of Management	3
BUS 240	Business Ethics	3
CIS 110	Introduction to Computers	3
COM 120* OR 231*	Introduction Interpersonal Comm./Public Speaking	3
ECO 252*	Principles of Macroeconomics	3
ENG 111*	Writing and Inquiry	3
MKT 120	Principles of Marketing	3
	Total Credit Hours	41

* Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses.

**Pathway contains Universal General Education Transfer Component (UGETC) courses.

Collision Repair Technology Certificate & Diploma Options:

Collision Repair and Refinishing Technology (Certificate) C60130BT

The Collision Repair and Refinishing Technology certificate provides an overview to students in order to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

Course	Course Name	Credit Hours
AUB 111	Painting & Refinishing I	4
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
AUB 131	Structural Damage I	4
TRN 180	Basic Welding for Transportation	3
	Total Credit Hours	18

Collision Repair and Refinishing Technology (Diploma) D60130T

The Collision Repair and Refinishing Technology diploma prepares students to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. Includes instruction in structure analysis, damage repair, non-structural analysis, mechanical and electrical components, plastics and adhesives, painting and refinishing techniques, and damage analysis and estimating.

Course	Course Name	Credit Hours
AUB 111	Painting & Refinishing I	4
AUB 112	Painting & Refinishing II	4
AUB 114	Special Finishes	2
AUB 121	Non-Structural Damage I	3
AUB 122	Non-Structural Damage II	4
AUB 131	Structural Damage I	4
AUB 132	Structural Damage II	4
AUB 136	Plastics and Adhesives	3
AUB 141	Mech & Elec Components I	3
AUB 162	Auto body Estimating	2
COM 120*	Intro to Interpersonal Communication	3
MAT 110	Math Measurement & Literacy	3
TRN 110	Intro to Transportation Technology	2
TRN 170	PC Skills for Transportation	2
TRN 180	Basic Welding for Transportation	3
	Total Credit Hours	46

Cosmetology Certificate

Cosmetology (Certificate) C55140CT

The Cosmetology certificate is designed to provide competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the cosmetology industry. The curriculum provides a simulated salon environment, which enables students to develop manipulative skills.

Course	Course Name	Credit Hours
COS 111	Cosmetology Concepts	4
COS 112	Salon I	8
COS 113	Cosmetology Concepts II	4
COS 114	Salon II	8
COS 115	Cosmetology Concepts III	4
COS 116	Salon III	4
COS 223	Contemporary Hair Coloring	2
	Total Credit Hours	34

Culinary Arts Certificate & Diploma Options:

Culinary Arts (Certificate) C55150T

The Culinary Arts certificate provides the student with specific training required to enter the foodservice industry in supporting roles. Students will learn the fundamental usage of kitchen equipment, tools, and basic cooking and baking. Students will be provided with theoretical knowledge and practical application that provide critical competencies to meet current industry demands.

Course	Course Name	Credit Hours
CUL 110	Sanitation and Safety	2
CUL 112	Nutrition and Foodservice	3
CUL 140	Culinary Skills I	5
CUL 160	Baking I	3
CUL 160A	Baking I Lab	1
	Total Credit Hours	14

Advanced Culinary Arts (Diploma) D55150AT

The Advanced Culinary Arts diploma provides specific training required to prepare students to assume positions as trained culinary professionals in a variety of foodservice settings including full service restaurants, hotels, resorts, clubs, catering operations, contract foodservice and health care facilities.

(Prerequisite of Culinary Arts certificate is required.)

Course	Course Name	Credit Hours
COM 120*	Intro Interpersonal Communication	3
CUL 110	Sanitation & Safety	2
CUL 112	Nutrition for Foodservice	3
CUL 140	Culinary Skills I	5
CUL 160	Baking I	3
CUL 160A	Baking I Lab	1
CUL 170	Garde Manger I	3
CUL 170A	Garde Manger I Lab	1
CUL 240	Culinary Skills II	5
CUL 240A	Culinary Skills II Lab	1
CUL 280	Pastry & Confections	3
CUL 280A	Pastry & Confections Lab	1
HRM 124	Guest Service Management	3
MAT 110	Math Measurement & Literacy	3
	Total Credit Hours	37

*** Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses. **Pathway contains Universal General Education Transfer Component (UGETC) courses.**

Diesel and Heavy Equipment Technology Diploma:

Diesel and Heavy Equipment Technology (Diploma) D60460T

The Diesel and Heavy Equipment Technology diploma prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as Heavy-Duty Trucks over one-ton classification, buses, ships, railroad locomotives, and equipment; as well as stationary diesel engines in electrical generators and related equipment.

Course	Course Name	Credit Hours
COM-120*	Intro Interpersonal Communication	3
HET-110	Diesel Engines	6
HET-114	Power Trains	5
HET-115	Electronic Engines	3
HET-125	Preventive Maintenance	2
HET-231	Med/Hvy Duty Brake System	2
HET-233	Suspension and Steering	4
MAT-110	Math Measurement & Literacy	3
TRN-110	Intro to Transport Tech	2
TRN-120	Basic Transportation Electricity	5
TRN-140	Transportation Climate Control	2
TRN-170	PC Skills for Transportation	2
TRN-180	Basic Welding for Transportation	3
	Total Credit Hours	42

*** Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses. **Pathway contains Universal General Education Transfer Component (UGETC) courses.**

Early Childhood Education Certificate

Early Childhood Education: Teacher/Caregiver (Certificate) C55220TT

The Early Childhood Teacher/Caregiver certificate is an introduction to Early Childhood Education. This curriculum prepares students to work in a diverse learning environment with children from infancy through middle childhood.

Course	Course Name	Credit Hours
EDU 119	Intro to Early Childhood Education	4
EDU 131	Child, Family and Community	3
EDU 145	Child Development II	3
EDU 146	Child Guidance	3
EDU 153	Health, Safety and Nutrition	3
	Total Credit Hours	16

Electronics Engineering Technology Certificate

Electronics Engineering Technology (Certificate) C40200T

The Electronics Engineering Technology certificate provides training for entry-level technicians desiring a career in electrical maintenance and management, design, planning, construction, development and installation of electrical systems, machines, automation and power generating equipment.

Course	Course Name	Credit Hours
ELC 131	Circuit Analysis I	4
ELN 131	Analog Electronics I	4
ELN 133	Digital Electronics	4
ELN 232	Introduction to Microprocessors	4
	Total Credit Hours	16

Emergency Management- Certificate Options:

Emergency Management - Criminal Justice (Certificate) C55460CT

The Criminal Justice pathway is designed to provide knowledge of criminal justice systems and operations, focusing on local, state and federal law enforcement. It also allows students to take classes to earn credit towards their Associate in Applied Science degree in Emergency Management. Courses marked with an asterisk (*) have been approved for transfer under the CAA as a premajor and/or elective course requirement.

Course	Course Name	Credit Hours
*CJC 111	Intro to Criminal Justice	3
CJC 112	Criminology	3
CJC 113	Juvenile Justice	3
*CJC 121	Law Enforcement Operations	3
*CJC 141	Corrections	3
CJC 214	Victimology	3
	Total Credit Hours	18

Emergency Management – Public Safety (Certificate) C55460ET

The Criminal Justice pathway is designed to provide knowledge of criminal justice systems and operations, focusing on local, state and federal law enforcement. It also allows students to take classes to earn credit towards their Associate in Applied Science degree in Emergency Management.

Course	Course Name	Credit Hours
CJC 111	Intro to Criminal Justice	3
EMS 110	EMT	9
EPT 140	Emergency Management	3
FIP 120	Intro to Fire Protection	3
	Total Credit Hours	18

Health Science Fundamentals Certificate:

Health Science Fundamentals (Certificate) C45970T

The Health Science Fundamentals certificate provides students with the knowledge and skills necessary to provide nursing care to clients and groups of clients throughout the life span in a variety of settings.

Course	Course Name	Credit Hours
HSC 110	Orientation to Health Careers	1
NAS 101	Nurse Aide I	6
MED 118	Medical Law and Ethics	2
MED 121	Medical Terminology	3
MED 122	Medical Terminology II	3
	Total Credit Hours	15

Hospitality Management Certificates:

Hospitality Management (Certificate) C25110T

The Hospitality Management certificate allows students to build and apply the administrative and practical skills essential for success in the hospitality industry.

Course	Course Name	Credit Hours
HRM 110	Introduction to Hospitality and Tourism	3
HRM 140	Legal Issues-Hospitality	3
HRM 240	Marketing for Hospitality	3
HRM 280	Management Problems-Hospitality	3
	Total Credit Hours	12

Industrial Systems Technology Certificate Options:

Industrial Systems Technology (Certificate) C50240T

The Industrial Systems Technology certificate will prepare students for entry into a manufacturing setting by emphasizing technical skills that include print reading, electricity, hydraulics and pneumatics, as well as welding and fabrication. Upon completion of this certificate, students should be able to work individually or on a team and safely repair, install, inspect, or diagnose basic industrial equipment.

Course	Course Name	Credit Hours
BPR 111	Print Reading	2
ELC 131	Circuit Analysis I	4
HYD 110	Hydraulics/Pneumatics I	3
MAC 141	Machining Applications I	4
MNT 110	Intro to Maintenance Procedures	2
WLD 112	Basic Welding Processes	2
	Total Credit Hours	17

Industrial Systems Technology – Machining (Certificate) C50240AT

The Industrial Systems Technology Machining certificate will prepare students for the entry into a machining manufacturing workforce by emphasizing technical skills that include the interpretation of blueprints, reading micrometers and calipers, as well as proper machine setup and product design. Upon completion of this certificate, students should be able to work individually or on a team to set up, troubleshoot, and identify the basic machine processes.

Course	Course Name	Credit Hours
MAC 121	Intro to CNC	2
MAC 122	CNC Turning	2
MAC 124	CNC Milling	2
MAC 141	Machining Applications I	4
MEC 110	Intro to CAD/CAM	2
	Total Credit Hours	12

Industrial Systems Technology – Mechatronics (Certificate) C50240ET

The Industrial Systems Technology Mechatronics certificate will prepare students for the entry into a workforce that uses mechatronics by emphasizing technical skills that include the introduction to automation, hydraulics and pneumatics, robotics, as well as programmable logic controllers. Upon completion of this certificate, students should be able to work individually or on a team to set up, troubleshoot and identify basic robotic movements, sensors and controllers for automation.

Course	Course Name	Credit Hours
ATR 112	Intro to Automation	3
ELC 128	Intro to Programmable Logic Controllers	3
ELC 131	Circuit Analysis I	4
ELN 133	Digital Electronics	4
HYD 110	Hydraulics/Pneumatics I	3
	Total Credit Hours	17

Information Systems Technology Certificate Options:

Information Technology: Computer Programming (Certificate) C25590CT

The Information Technology Computer Programming certificate is an introduction to Computer Programming. This curriculum prepares students for employment as computer programmers and related positions through study and applications in computer concepts, logic, programming procedures, languages, generators, operating systems, networking, data management and business operations.

Course	Course Name	Credit Hours
CIS 115	Introduction to Programming/Logic	3
CSC 122	Python Application Development	3
CSC 134	C++ Programming	3
CTI 110	Web, Prog, and Database Foundation	3
CTI 120	Network and Security Foundation	3
NOS 120	Linux/UNIX Single User	3
	Total Credit Hours	18

Information Technology: CyberSecurity and Networking (Certificate) C25590ST

The Information Technology Network & Cyber Security certificate prepares students for employment as network technicians and related positions through study and application in the planning, design, installation, maintenance and management of network systems.

Course	Course Name	Credit Hours
NET 125	Introduction to Networks	3
NET 126	Routing Basics	3
NET 175	Wireless Technology	3
NET 225	Routing & Switching I	3
SEC 110	Security Concepts	3
SEC 175	Perimeter Defense	3
	Total Credit Hours	18

Mechanical Engineering Technology Certificate:

Mechanical Engineering Technology: Drafting and Design (Certificate) C40320DT

The drafting and design certificate prepares students to apply technical skills with advanced two- and three-dimensional engineering design software to create working prototypes for mechanical and industrial designs. Graduates should qualify for employment in mechanical and engineering areas such as manufacturing, fabrication, research and development, and industrial design businesses.

Course	Course Name	Credit Hours
DFT 151	CAD I	3
DFT 152	CAD II	3
DFT 154	Introduction to Solid Modeling	3
DFT 254	Intermed Solid Model/Render	3
	Total Credit Hours	12

Medical Office Administration Certificate & Diploma Options:

Medical Office Administration (Certificate) C25310T

The Medical Office Administration certificate prepares students for administrative and support functions in medical and other health care related offices.

Course	Course Name	Credit Hours
MED 121	Medical Terminology I	3
MED 122	Medical Terminology II	3
OST 149	Medical Legal Issues	3
OST 161	Medical Office Procedures	3
OST 164	Text Editing Applications	3
	Total Credit Hours	15

Medical Office Administration (Diploma) D25310T

The Medical Office Administration diploma prepares students for employment in medical and other health-care related offices. Students will learn administrative, support functions and develop skills applicable in medical environments. Responsibility for the quality, integrity, and protection of patient's health information.

Course	Course Name	Credit Hours
CIS 110	Introduction to Computers	3
COM 120*	Into to Interpersonal Comm	3
CTS 130	Spreadsheet	3
ENG 111*	Writing and Inquiry	3
MED 121	Medical Terminology I	3
MED 122	Medical Terminology II	3
MED 232	Medical Insurance Coding	2
OST 130	Comprehensive Keyboarding	3
OST 148	Med Coding billing & Insurance	3
OST 149	Medical Legal Issues	3
OST 161	Medical Office Procedures	3
OST 184	Records Management	3
OST 286	Professional Development	3
	Total Credit Hours	38

*** Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses. **Pathway contains Universal General Education Transfer Component (UGETC) courses.**

Nurse Aide Diploma:

Nurse Aide (Diploma) D45970T

The Nurse Aide diploma provides students with the knowledge and skills necessary to provide nursing care to clients and groups of clients throughout the life span in a variety of settings.

Course	Course Name	Credit Hours
ACA 122*	College Transfer Success	1
BIO 168	Anatomy and Physiology I	4
BIO 169	Anatomy and Physiology II	4
ENG 111*	Writing and Inquiry	3
ENG 112*	Writing Research in the Discipline	3
HSC 110	Orientation to Health Careers	1
MAT 152*	Statistical Methods I	4
MED 118	Medical Law and Ethics	2
MED 121	Medical Terminology	3
MED 122	Medical Terminology II	3
NAS 101	Nurse Aide I	6
NAS 103	Home Health Care Nurse Aid	6
PSY 150*	General Psychology	3
PSY 241	Developmental Psych	3
	Total Credit Hours	46

* Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses. **Pathway contains Universal General Education Transfer Component (UGETC) courses.

Office Administration Certificate & Diploma Options:

Office Administration (Certificate) C25370T

The Office Administration certificate prepares students for positions in administrative support careers.

Course	Course Name	Credit Hours
OST 130	Comprehensive Keyboarding	3
OST 134	Text Entry & Formatting	3
OST 136	Word Processing	3
OST 164	Text Editing Applications	3
OST 184	Records Management	3
	Total Credit Hours	15

Office Administration (Diploma) D25370T

The Office Administration diploma prepares students for employment as administrative office personnel who use skills in the areas of office management, office finance, legal office, virtual office, customer service and office software.

Course	Course Name	Credit Hours
CIS 110	Introduction to Computers	3
COM 120*	Introduction Interpersonal Comm.	3
ENG 111*	Writing and Inquiry	3
MKT 223	Customer Service	3
OST 130	Comprehensive Keyboarding	3
OST 134	Text Entry & Formatting	3
OST 136	Word Processing	3
OST 159	Office Ethics	3
OST 164	Text Editing Applications	3
OST 181	Office Procedures	3
OST 236	Advanced Word/Information Proc	3
OST 286	Professional Development	3
WBL 111	Work-Based Learning I	1
	Total Credit Hours	37

* Note: Students entering this pathway must have an unweighted, cumulative GPA of 2.8 or higher on high school courses. **Pathway contains Universal General Education Transfer Component (UGETC) courses.

Ophthalmic Medical Personnel Certificate:

Ophthalmic Medical Personnel (Certificate) C45210T

The Ophthalmic Medical Personnel Certificate allows students, who are interested, the opportunity to continue their study in CCC&TI's diploma program. The OMP diploma program prepares individuals to perform ophthalmic procedures under the supervision of a licensed physician specializing in Ophthalmology. Course work includes lecture, laboratory, and clinical training in ocular measurements; ocular testing; lensometry; administering topical and oral medications; eye care; and caring for instruments.

Course	Course Name	Credit Hours
COM 120*	Intro to Interpersonal Communication	3
ENG 111*	Writing and Inquiry	3
MED 121	Medical Terminology	3
OPH 150	Intro to Ophthalmic Medical Assisting	2
OPH 151	Ocular Anatomy & Physiology	2
PSY 150*	General Psychology	3
	Total Credit Hours	16

Welding Technology Certificate:

Welding Technology (Certificate) C50420T

The Welding Technology certificate provides students with a sound understanding of the science, technology and applications essential for successful employment in the welding and metal industry.

Course	Course Name	Credit Hours
WLD 110	Cutting Processes	2
WLD 115	SMAW (Stick) Plate	5
WLD 121	GMAW (MIG) FCAW/Plate	4
WLD 131	GTAW (TIG) Plate	4
WLD 141	Symbols & Specifications	3
	Total Credit Hours	18

ENGLISH (5 credits required)

English courses are listed as they are normally sequenced.

Communication Skills—10252X0CSF (1 English Credit)

Communication Skills develops strong writing skills focusing on grammar, mechanics, and vocabulary as well as reinforcing the writing process – prewriting, drafting/writing, and revising/editing. The class also develops proper research and presentation skills, including a technological emphasis.

Year Recommended: 9 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Communication Skills Honors—10255X0CSH (1 English Credit)

Communication Skills Honors will develop the students' writing skills more widely and deeply focusing on grammar, mechanics, and vocabulary by integrating these skills into the writing process: prewriting, drafting/writing, and revising/editing while adding an emphasis on publication. The class will further develop students' research skills allowing students to search, organize, and process information from a variety of media and then present their research in order to improve oral, written, nonverbal, and digital communication. Schools may require completion of a summer reading project.

Year Recommended: 9 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: N/A

English I—10212X0SR (1 English Credit)

English I provides a foundational study of literary genres – novels, short stories, poetry, drama, and literary nonfiction. Vocabulary, composition, grammar, and viewing skills are also incorporated in the course.

Year Recommended: 9 **Schools:** CASA, G, H, SC, WC, V **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

English I Honors—10215X0SH (1 English Credit)

Students will explore the literary genres more widely and deeply, including more challenging and /or complete print and non-print text. This is an accelerated course for students who want to continue their preparation for senior/college level courses in which students will complete extensive reading and writing assignments. Schools may require completion of a summer reading project.

Year Recommended: 9 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: A/B in 8th grade language arts or Communication Skills or teacher recommendation

English II—10222X0RE (1 English Credit)

English II introduces literary global perspectives focusing on literature from the Americas, Africa, Eastern Europe, Asia, Oceania, and the Middle East.

Year Recommended: 10 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** State **Weighted:** No

Prerequisite: English I

English II Honors—10225X0HE (1 English Credit)

Students will explore the global literary perspectives more widely and deeply. This is an accelerated course for students who want to continue their preparation for senior/college level courses in which students will complete extensive reading and writing assignments. Schools may require completion of a summer reading project.

Year Recommended: 10 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** State **Weighted:** Yes

Prerequisite: A/B Honors English I or teacher recommendation

English III—10232X0RE (1 English Credit)

English III is an in-depth study of United States literature and literary nonfiction focusing in particular on works from the 17th to the 20th century. Students will also study grammar, vocabulary, and viewing skills as they relate to this course. Students will be expected to complete a research paper.

Year Recommended: 11 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: English II

English III Honors—10235X0HE (1 English Credit)

Students in English III Honors will analyze United States literature and literacy nonfiction. A full-length research paper is required. This is an accelerated course for students who want to continue their preparation for senior/college level courses. Schools may require completion of a summer reading project.

Year Recommended: 11 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Honors English II or teacher recommendation

Advanced Placement English Language and Composition—1A007X0AP (1 English Credit-can replac

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Please visit the College Board course website for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-english-language-and-composition>. Summer reading may be required.

Year Recommended: 11 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: A/B in previous honors English course or instructor approval

English IV—10242X0RE (1 English Credit)

In English IV, literature instruction will include recognizing and reading various types of literature from Europe as well as American documents greatly influenced by European philosophy or action. Vocabulary, basic research, composition, speech and viewing skills are also presented. Students will be expected to complete a research paper and a multi-genre research project as part of this course.

Year Recommended: 12 **Schools:** CASA, G, H, SC, WC, V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: English III

English IV Honors—10245X0HE (1 English Credit)

Students in the English IV Honors course will explore literature more widely and deeply, including more challenging and/or complete print and non-print texts. This is an accelerated course for students who want to continue their preparation for college level courses. Emphasis will be placed on creative application of skills, and students will be required to write a research paper. Projects will reinforce writing, usage, and speaking skills as well as allow for exploration of themes in literature. Students will complete a multi-genre research project as part of this course. Schools may require completion of a summer reading project.

Year Recommended: 12 **Schools:** CASA,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Honors English III or teacher recommendation

AP English Literature and Composition—1A017X0AP (1 English Credit-can replace English IV)

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Please visit the College Board course website from more information about this course -

<https://apstudent.collegeboard.org/apcourse/ap-english-literature-and-composition>. Summer reading may be required.

Year Recommended: 12 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: A/B in previous honors or AP English course or instructor approval

AP Seminar (Capstone Program)

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, **and design and deliver oral and visual presentations, both individually and as part of a team.** Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Please visit the College Board course website for more information about this course. ***This course will be taught yearlong on an every other day schedule paired with another course arranged with your school counselor according to your post secondary**

Year Recommended: 11 **Schools:** SC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: A/B in previous honors English course or instructor approval

Creative Writing I—10252X0CW (1 Elective Credit)

This course is designed for students who have a special interest or aptitude for writing and creative expression. Students will explore various genres including poetry, plays, essays, and short stories. Students consider the elements of creativity, inspirations, form and content in relationship to styles of represented authors. Self-criticism, group evaluation, contest entries, and publication of student works are required activities.

Year Recommended: 10,11,12 **Schools:** SC, WC, V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Creative Writing II—10252X0CW2 (1 Elective Credit)

Students will focus on one main area of their writing and will have a semester long project. They will help critique the writing of other students. They will act as senior editors and designers for a literary magazine.

Year Recommended: 11,12 **Schools:** SC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Creative Writing I

Mythology—10252X0M (1 Elective Credit)

Students will explore and research mythologies of the world. The course will have emphasis on Greek, Celtic, Norse, Chinese, African, and American mythology.

Year Recommended: 9,10,11,12 **Schools:** CASA,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors Speech and Debate—10185X0HCD (1 Elective Credit)

Honors Speech and Debate is a class for students who want to extend or build upon and reinforce their speaking and debating skills. Students are expected to complete all classroom assignments at a more rigorous level. Students are required to participate and be leaders in Model United Nations and to complete two authentic outside the classroom speeches. One of these will be the Lenoir Rotary sponsored Oratorical Competition. Students are expected to be leaders in the Speech and Debate classroom by peer collaboration and by leading classroom debates.

Year Recommended: 9,10,11,12 **Schools:** H

Required: No **Test:** Local **Weighted:** Yes

Prerequisite: Teacher Approval

Honors SAT/ACT Prep—96105X0SAT (1 Elective Credit)

The college preparation course is designed to improve student's performance on the verbal, writing, and math portions of the SAT or ACT tests. During the English half of the class, students will practice test-taking skills, with emphasis on critical thinking, vocabulary development, grammar and its usage, and short essays. The math portion of this course will focus on the different types of math problems that appear on the SAT and ACT. Test taking skills and strategies to approach each type of problem will be addressed.

Year Recommended: 10,11,12 **Schools:** H,SC,WC

Required: No **Test:** Local **Weighted:** Yes

Prerequisite: Math III; Students can be enrolled in SAT Prep and Math III during the same semester

Publications I—10312X0FP (1 Elective Credit)

This is a course in learning newspaper and yearbook production. The course focuses on all aspects of journalistic writing as well as basic layout and design.

Year Recommended: 10,11,12 **Schools:** SC

Required: No **Test:** Local **Weighted:** No

Prerequisite: Approval by instructor

Publications II—10322X0SP (1 Elective Credit)

This course focuses on newspaper and yearbook production. Instruction includes all aspects of journalistic writing, editing, design, and publicity. The class will publish the school newspaper and yearbook. Some time is required after school.

Year Recommended: 10,11,12 **Schools:** SC

Required: No **Test:** Local **Weighted:** No

Prerequisite: Publications I and approval by instructor

Yearbook Production—10312X0 (1 Elective Credit)

Students will be responsible for producing the school annual. Layout, copy, cropping, selling ads, and design work will be emphasized. Students must complete an application, including evaluations from teachers, three weeks prior to registration. Applications may be obtained from the guidance department. This course may be repeated for credit. Students typically take the course both first and second semester.

Year Recommended: 10,11,12 **Schools:** WC

Required: No **Test:** Local **Weighted:** No

Prerequisite: Application/teacher approval

The Bible in History and Literature—48002X0BHL (1 Elective Credit)

This course focuses on the types of literature, forms used, literary techniques, and beauty of the language in the Bible. Students will also learn about the influence of Biblical language and literature on the development of modern language, literature, and history.

Year Recommended: 10,11,12 **Schools:** SC

Required: No **Test:** Local **Weighted:** No

Prerequisite: N/A

English Language Development—10382X0 (1 Elective Credit)

This course will be available only to English learners. This course focuses primarily on English language development. Emphasis will be on developing listening, speaking, reading, and writing skills. Vocabulary and grammar usage will be presented in the context of conversations and narratives. Eligibility for the course will be based on language proficiency test scores. The course may be repeated.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

ENG 111 Writing and Inquiry— (1 Credit)**

This course is designed to develop the ability to produce clear writing in a variety of genres and formats using a recursive process. Emphasis includes inquiry, analysis, effective use of rhetorical strategies, thesis development, audience awareness, and revision. Upon completion, students should be able to produce unified, coherent, well-developed essays using standard written English.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

ENG 112 Writing/Research in the Disciplines— (1 Credit)**

This course, the second in a series of two, introduces research techniques, documentation styles, and writing strategies. Emphasis is placed on analyzing information and ideas and incorporating research findings into documented writing and research projects. Upon completion, students should be able to evaluate and synthesize information from primary and secondary sources using documentation appropriate to various

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

MATHEMATICS (4 courses required)

Math courses are listed as they are normally sequenced.

Foundations of NC Math 1—20902X0FM1 (1 Elective Credit)

NC Math 1 provides students the opportunity to study algebraic equations and inequalities; coordinate geometry; linear, quadratic, and exponential functions; and statistical modeling. The first half of NC Math 1 is taught in this class.

Year Recommended: 9,10 **Schools:** G,H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

NC Math 1 End—21092X0M1E (1 Math Credit)

The second half of NC Math 1 is presented in this course. Students are required to register for Foundations of NC Math 1 and NC Math 1 End in the same year. The Foundations of NC Math 1 and NC Math 1 End combination will satisfy the Math 1 requirement for graduation.

Year Recommended: 9,10 **Schools:** G,H,WC **Required:** Yes **Test:** State **Weighted:** No
Prerequisite: Foundations of NC Math 1

NC Math 1—21092X0M1 (1 Math Credit)

NC Math 1 provides students the opportunity to study algebraic equations and inequalities; coordinate geometry; linear, quadratic, and exponential functions; and statistical modeling.

Year Recommended: 9,10 **Schools:** All,V **Required:** Yes **Test:** State **Weighted:** No
Prerequisite: N/A

Honors NC Math 1—21095X0M1H (1 Math Credit)

This course is a rigorous, challenging, in-depth study of NC Math 1 standards. Students will be required to complete outside reading, research, and projects and will work more independently than in a regular class. Topics beyond the scope of a traditional NC Math 1 course will be studied.

Year Recommended: 9 **Schools:** All, V **Required:** Yes **Test:** State **Weighted:** Yes
Prerequisite: A in 8th grade math

Foundations of NC Math 2—20912X0FM2 (1 Elective Credit)

This course covers the topics that will help students be successful in Math 2 and continue to develop the students' understanding of Math 1 concepts. Students will deepen their understanding of algebraic processes and geometric concepts.

Year Recommended: 10,11,12 **Schools:** G,H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Math 1 or Math 1-End

NC Math 2—22092X0M2 (1 Math Credit)

This course continues the progression of NC Math 1. Concepts include quadratic and square root functions; inverse variation; complex numbers; proving theorems about lines, angles, and triangles; right triangle trigonometry; and probability.

Year Recommended: 9,10,11 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: NC Math 1 or NC Math 1 End

Honors NC Math 2—22095X0M2H (1 Math Credit)

This course is a rigorous, challenging, in-depth study of NC Math 2 standards. Students will be required to complete outside reading, research, and projects and will work more independently than in a regular class. Topics beyond the scope of a traditional NC Math 2 course will be studied.

Year Recommended: 9,10 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in NC Math 1

NC Math 3—23092X0M3 (1 Math Credit)

NC Math 3 progresses from the standards learned in NC Math 1I and NC Math 2. In addition to these standards, this course extends to include exponential, rational, polynomial, trigonometric, piecewise, and absolute value functions and their inverses. NC Math 3 also includes geometric modeling, geometric proofs, and statistical inferences.

Year Recommended: 9,10,11,12 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** State **Weighted:** No
Prerequisite: NC Math 2 or NC Math 2 End

Honors NC Math 3—23095X0M3H (1 Math Credit)

This course is a rigorous, challenging, in-depth study of NC Math 3 standards. Students will be required to complete outside reading, research, and projects and will work more independently than in a regular class. Topics beyond the scope of a traditional NC Math 3 course will be studied.

Year Recommended: 9,10,11 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** State **Weighted:** Yes
Prerequisite: A/B in NC Math 2 or permission from dept. chair

NC Math 4—24092X0 (1 Math Credit)

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. This course is also designed to be a capstone to introductory statistical concepts.

Year Recommended: 10,11,12 **Schools:** G,H,SC,WC,V **Required:** Possible 4th math course **Test:** Local **Weighted:** No
Prerequisite: NC Math 3

NC Math 4 Honors—24095X0 (1 Math Credit)

This course is a rigorous, challenging, in-depth study of the Math 4 standards. Students will be required to complete outside reading, research, and projects and will work more independently than in a regular class. Topics beyond the scope of a traditional NC Math 4 course will be studied.

Year Recommended: 10,11,12 **Schools:** G,H,SC,WC,V **Required:** Possible 4th math course **Test:** Local **Weighted:** Yes
Prerequisite: NC Math 3

College & Career Ready Graduates (CCRG) Mathematics— (1 Math Credit)

The purpose of the CCRG Mathematics course is to promote remediation-free placement into the NC Community College System (NCCCS). This course focuses on the key mathematical concepts needed for students to be ready to undertake post-secondary academic coursework, or career-specific technical training. The course addresses standards throughout high school and even earlier, including algebraic reasoning, geometric modeling, and statistical analysis. This course counts as one of four math credits required for graduation but not for UNC admissions.

Year Recommended: 12 **Schools:** All **Required:** Possible 4th math course **Test:** Local **Weighted:** No
Prerequisite: NC Math 3 and placement in accordance with legislation (S.L.2015-241, Section 10.13 amended by S.L. 2016-94 and S.L. 2018-5).

Discrete Mathematics for Computer Science Honors—24015X0 (1 Math Credit)

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.

Year Recommended: 10,11,12 **Schools:** CASA,H,WC

Required: **Test:** Local **Weighted:** Yes

Possible 4th
math course

Prerequisite: NC Math 3

AP Statistics—2A037X0AP (1 Math Credit)

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Please visit the College Board course website from more information about this course -

<https://apstudent.collegeboard.org/apcourse/ap-statistics>.

Year Recommended: 10,11,12 **Schools:** H,SC,WC

Required: **Test:** AP Exam **Weighted:** Yes

Possible 4th
math course

Prerequisite: A/B in any 4th Math, previous AP math course,
or dept. chair permission

AP Precalculus—TBD (1 Math Credit)

Students will explore everyday situations using mathematical tools and lenses. Through regular practice, students will build deep mastery of modeling and functions, and they will examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

Year Recommended: 11,12 **Schools:** H,SC,WC

Required: **Test:** AP Exam **Weighted:** Yes

Possible 4th
math course

Prerequisite: A/B in NC Math 3 or dept. chair permission

Calculus-AP Prep—28005X0CP (1 Math Credit)

This course is offered to those students who wish to take AP Calculus AB in the spring semester. This course is a rigorous, challenging, and in-depth study of Calculus. Students will be required to complete independent work and projects. Topics include limits, derivatives, and integrals. Algebraic, numerical, and graphical representations will be emphasized throughout the course.

Year Recommended: 11,12 **Schools:** H,WC

Required: No **Test:** Local **Weighted:** Yes

Prerequisite: Pre-Calculus

AP Calculus AB—2A007X0AB (1 Math Credit)

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-calculus-ab>. Summer reading may be required.

Year Recommended: 11,12 **Schools:** H,SC,WC

Required: No **Test:** AP Exam **Weighted:** Yes

Prerequisite: Calculus AP Prep (H, WC); Pre-Calculus (SC)

AP Computer Science Principles — 0A027X0AP (1 Credit)

In AP Computer Science Principles, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impact to their community, society, and the world. As part of the AP exam for this class, students will complete two performance tasks. Please visit the College Board course website for more information about this course -

<https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles>. Summer reading may be required.

Year Recommended: 10,11,12 **Schools:** H,SC

Required: No **Test:** AP Exam **Weighted:** Yes

Prerequisite: NC Math 2

AP Computer Science A— 2A027X0AP (1 Credit)

This course is an introductory college-level course in computer programming. Students will apply basic algebra knowledge and problem-solving skills as they learn the JAVA programming language. The emphasis of the course is procedural and data abstraction, object-oriented program and design methodology algorithms and data structures. Students will need to develop written communication skills to properly document and explain computer programs.

Please visit the College Board course website for more information about this

course-<https://apstudent.collegeboard.org/apcourse/ap-computer-science-a>. Summer reading may be required.

Year Recommended: 11,12 **Schools:** SC

Required: No **Test:** AP Exam **Weighted:** Yes

Prerequisite: A/B in AP Computer Science Principles or special permission based on programming experience

Honors SAT/ACT Prep—96105X0SAT (1 Credit)

The college preparation course is designed to improve student's performance on the verbal, writing, and math portions of the SAT or ACT tests. During the English half of the class, students will practice test-taking skills, with emphasis on critical thinking, vocabulary development, grammar and its usage, and short essays. The math portion of this course will focus on the different types of math problems that appear on the SAT and ACT. Test taking skills and strategies to approach each type of problem will be addressed. The science portion of the ACT may be combined with the math portion of the class.

Year Recommended: 10,11,12 **Schools:** H,SC,WC

Required: No **Test:** Local **Weighted:** Yes

Prerequisite: NC Math 3; Students can be enrolled in SAT Prep and NC Math 3 during the same semester

MAT 152 Statistical Methods I—(1 Credit)**

This course provides a project-based approach to introductory statistics with an emphasis on using real-world data and statistical literacy. Topics include descriptive statistics, correlation and regression, basic probability, discrete and continuous probability distributions, confidence intervals and hypothesis testing. Upon completion, students should be able to use appropriate technology to describe important characteristics of a data set, draw inferences about a population from sample data, and interpret and communicate results.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC

Required: No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

MAT 171 Precalculus Algebra—(1 Credit)**

This course is designed to develop topics which are fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to algebra-related problems with and without technology.

Year Recommended: 11,12 **Schools:** CASA, CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

MAT 172 Precalculus Trigonometry—(1 Credit)**

This course is designed to develop an understanding of topics which are fundamental to the study of Calculus. Emphasis is placed on the analysis of trigonometric functions in multiple representations, right and oblique triangles, vectors, polar coordinates, conic sections, and parametric equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to trigonometry-related problems with and without technology.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

MAT 271 Calculus I—(1 Credit)**

This course is designed to develop the topics of differential and integral calculus. Emphasis is placed on limits, continuity, derivatives and integrals of algebraic and transcendental functions of one variable. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to derivative-related problems with and without technology.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

MAT 272 Calculus II—(1 Credit)**

This course is designed to develop advanced topics of differential and integral calculus. Emphasis is placed on the applications of definite integrals, techniques of integration, indeterminate forms, improper integrals, infinite series, conic sections, parametric equations, polar coordinates, and differential equations. Upon completion, students should be able to select and use appropriate models and techniques for finding solutions to integral-related problems with and without technology.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

SCIENCE (3 courses required)

Science courses are listed as they are normally sequenced.

Earth Science—35102X0SE (1 Science Credit)

This course will introduce the basic principles of earth/environmental science, which include geology, astronomy, meteorology, and oceanography. In addition, this class will explore environmental problems such as air and water pollution, habitat destruction, and overpopulation. Labs, activities, and demonstrations will be included.

Year Recommended: 9 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors Earth Science—35105X0SH (1 Science Credit)

This course is a rigorous and in-depth study of earth/environmental science. Students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry.

Year Recommended: 9 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in previous science course or dept. chair permission

Physical Science—34102X0PS (1 Science Credit)

Instruction in physical science is a study of topics relating to both chemistry and physics. These topics include studies of the atom, inorganic and organic chemistry, motion, electricity and magnetism, waves and sound, and heat and energy. Lab investigations will accompany each area of study.

Year Recommended: 9,10 **Schools:** CASA,G,H,SC,WC,V **Required:** Possible **Test:** Local **Weighted:** No
Corequisite: NC Math 1

Biology—33202X0GB (1 Science Credit)

The study of biology provides an opportunity for students to gain understanding of the fundamental principles of living things. Major topics of study include scientific background, the nature of life, the continuity of life, microbiology, genetics, plants, animals, and ecology. Lab investigations will accompany each area of study.

Year Recommended: 11 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** State **Weighted:** No
Prerequisite: N/A

Honors Biology—33205X0BH (1 Science Credit)

This course is a rigorous and in-depth study of biology. Students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry.

Year Recommended: 10,11 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** State **Weighted:** Yes
Prerequisite: A/B in most recent honors science course, A in Honors Earth Science

Chemistry—34202X0C (1 Science Credit)

Emphasis is placed on laboratory experiences which stress the use of instruments and equipment. Major content topics include measuring and computing, the composition of and changes in matter, atomic theory, chemical reactions, the periodic table, acids and bases, solutions, and the behavior of gases. "Hands-on, minds-on" activities show students how they are surrounded by chemistry and how chemistry applies to their daily lives.

Year Recommended: 10,11,12 **Schools:** CASA,H,SC,WC,V **Required:** Possible **Test:** Local **Weighted:** No
Prerequisite: NC Math 1; Physical Science

Honors Chemistry—34205X0CH (1 Science Credit)

This course is a rigorous and in-depth study of chemistry. Students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry.

Year Recommended: 10,11,12 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Possible **Test:** Local **Weighted:** Yes
Prerequisite: NC Math 2 (A/B), A/B in previous honors science course or dept. chair approval
physical science course

Honors Physics—34305X0PH (1 Science Credit)

Physics is an experimental science that studies matter and its motion. Physics deals with concepts such as force, energy, mass, charge, and electric current. Students will work independently and in groups using laboratory investigations, modeling, problem solving, and computer simulations in order to understand how matter in the world behaves. Students who plan on enrolling in AP Calculus or AP Statistics would find it very helpful to take this class before taking the advanced math class. Students who plan a career in a technical field that requires knowledge of physics such as computers, engineering, architecture, design, or medical professions will also benefit from physics instruction.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** Possible **Test:** Local **Weighted:** Yes
Prerequisite: NC Math 2
physical science course

AP Physics —3A007X0 (1 Science Credit)

AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore the following topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-physics-1>. Summer reading may be required.

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: NC Math 3

Biology AP Preparation—30205X0FB (1 Science Credit)

Biology- AP Preparation is required of those students who wish to take AP Biology in the spring semester. This course is a rigorous and in-depth study of biology, and students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry. Students will explore biochemistry, cytology, energy transformations, molecular genetics, heredity, evolution and biotechnology. Students will be introduced to advanced laboratory techniques in computer-assisted sampling, microscopy, gel electrophoresis, bacterial transformation, and the genetics of *Drosophila*. In addition, students will be required to complete in-depth scientific studies, research, and writing.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A in Honors Earth Science (10), A/B in most recent honors science class (11, 12), Honors Biology and Chemistry recommended

AP Biology—3A007X0AP (1 Science Credit)

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-biology>. Summer reading may be required.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: Biology AP Prep (A, B, C)

Chemistry AP Preparation—30205X0FC (1 Science Credit)

Chemistry - AP Preparation is required of those students who wish to take AP Chemistry in the spring semester. This course is a rigorous, challenging, and in-depth study of chemistry, and students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry. Topics include atomic structure, stoichiometry, solution chemistry, thermochemistry, periodic properties, chemical bonding, and electrochemistry. Lab experiments will be conducted on these and other topics. In addition, students will be required to complete in-depth scientific studies, research, and writing. This course is the first semester of the AP Chemistry sequence.

Year Recommended: 11,12 **Schools:** H,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: NC Math 3 and Chemistry

AP Chemistry—3A017X0APC (1 Science Credit)

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities. Please visit the College Board course website from more information about this course -

<https://apstudent.collegeboard.org/apcourse/ap-chemistry>. Summer reading may be required.

Year Recommended: 11,12 **Schools:** H,WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: Chemistry AP Prep (A, B, C)

AP Environmental Science—3A027X0AP (1 Science Credit)

The AP Environmental Science course is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-environmental-science>. Summer reading may be required.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: N/A

Anatomy and Physiology—33302X0AP (1 Science Credit)

This course is offered to students who want a deeper understanding of the structure and function of the human body. The course is designed to provide a basic background for students interested in any of the life sciences or various areas of the medical field. Major topics include the study of the cell, tissues and membranes, and the integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, respiratory, digestive, urinary, and reproductive systems. Investigations will accompany each area of study.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors Anatomy and Physiology—33305X0AH (1 Science Credit)

This course is a rigorous and in-depth study of Anatomy and Physiology. Students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Biology or dept. chair permission

Astronomy—35402X0A (1 Science Credit)

This course is an overall view of the universe from ancient to modern times. Topics to be covered include selection and use of telescopes and other optical aides, the solar system and structure of the planets, stars and constellations, life cycles of stars, galaxies, and cosmology. Night viewing sessions will be required.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Earth Science

Forensic Science—30202X0FS (1 Science Credit)

Forensic Science will allow students to learn how scientific and mathematical knowledge is incorporated and applied to both anthropological studies and law enforcement. Students will learn how to apply these two fields of study through labs and fictional case studies. The course is lab based. Outside resources such as local law enforcement agencies, medical facilities and personnel, and institutes of higher education will be utilized.

Year Recommended: 10,11,12 **Schools:** H,SC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Physical Science or dept. chair permission

Honors Forensic Science—30205X0FH (1 Science Credit)

This course is a rigorous, challenging, and in-depth study of Forensic Science. Students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry.

Year Recommended: 10,11,12 **Schools:** H,SC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: A/B in Biology or dept. chair permission

Honors Biotechnology—30205X0BH (1 Science Credit)

Biotechnology is the study of cell culturing and genetic engineering. This course is a rigorous and in-depth study with emphasis placed on laboratory experiences which utilize electrophoresis chambers, gel boxes and micropipettes. Students will explore various techniques in recombinant DNA and genetic mapping. A good background in cell biology and genetics is advised. Students will be required to complete outside reading, research, and projects. They will be required to keep a lab notebook and be able to work independently to conduct experiments using scientific inquiry.

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Biology and a physical science or dept. chair permission

Pre-Engineering and Design—30202X0PE (1 Science Credit)

This class is a hands-on, design-oriented exploration of engineering careers. Students will work in groups to design and construct working products. In addition, students will use project-based investigations to explore additional engineering and design fields. This class will benefit students interested in a wide range of career possibilities in the technical fields.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: NC Math 1

Honors Pre-Engineering and Design—30205X0PE (1 Science Credit)

This class is a hands-on, design oriented exploration of engineering and design careers. Students will conduct independent research and design individually and in groups in order to produce working products. The honors class will focus on skills needed for a student to be successful in a four-year college or university program. These skills include applying math skills to the design process, computer programming, computer generated modeling, organization skills, and presentation skills. This class will benefit students interested in computer engineering, computer programming, design, drafting, mechanical engineering, chemical engineering, civil engineering, electrical engineering, architectural engineering, and architecture.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: NC Math 3

BIO 111 General Biology I—(1 Credit)**

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, molecular and cellular biology, metabolism and energy transformation, genetics, evolution, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

BIO 112 General Biology II—(1 Credit)**

This course is a continuation of BIO 111. Emphasis is placed on organisms, evolution, biodiversity, plant and animal systems, ecology, and other related topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Year Recommended: 11,12

Schools: CASA,CEC,H,SC,WC

Required: No

Test: Local

Weighted: Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

SOCIAL STUDIES (4 courses required)

Social Studies courses are listed as they are normally sequenced.

World History—43032X0WH (1 Social Studies Credit)

The standards and objectives in the World History course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills.

Year Recommended: 9 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors World History—43035X0WHH (1 Social Studies Credit)

The standards and objectives in the World History course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills. This course is challenging and will require students to take a greater responsibility for their learning. Projects and research will be a major part of this course and emphasis will be on discussion, debate, and practical application.

Year Recommended: 9 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: Level IV on 8th Grade EOG

Founding Principles of the United States of America and North Carolina: Civic Literacy—43182X0FP (1 Social Studies Credit)

The standards and objectives in the Founding Principles of the United States of America and North Carolina: Civic Literacy course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills.

Year Recommended: 10 **Schools:** CASA, G, H, SC, WC, V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors Founding Principles of the United States of America and North Carolina: Civic Literacy—43185X0FP (1 Social Studies Credit)

The standards and objectives in the Founding Principles of the United States of America and North Carolina: Civic Literacy course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills.

Year Recommended: 10 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in previous social studies course

American History —43112X0AH (1 Social Studies Credit)

The standards and objectives in the American History course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills.

Year Recommended: 11 **Schools:** CASA,G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors American History—43115X0 (1 Social Studies Credit)

The standards and objectives in the American History course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary

Year Recommended: 11 **Schools:** CASA,CEC,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in previous social studies course

Economics and Personal Finance—43192X0 (1 Social Studies Credit)

The North Carolina Department of Public Instruction (NCDPI) and the State Board of Education(SBE) supports the development of students who understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students should be provided with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society.

Year Recommended: 12 **Schools:** All **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: N/A

Economics and Personal Finance Honors—43195X0 (1 Social Studies Credit)

The North Carolina Department of Public Instruction (NCDPI) and the State Board of Education(SBE) supports the development of students who understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students should be provided with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society. This course will be taught at an accelerated pace and will include more inquiry and application.

Year Recommended: 12 **Schools:** All **Required:** Yes **Test:** Local **Weighted:** Yes
Prerequisite: A/B in previous social studies course

AP European History—4A017X0AP (1 Social Studies Credit)

The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places. Please visit the College Board course website for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-european-history>. Summer reading may be required.

Year Recommended: 11, 12 **Schools:** H **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: A/B in previous honors course or A in previous academic course with teacher recommendation

AP Human Geography—4A027X0AP (1 Social Studies Credit)

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). Please visit the College Board course website for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-human-geography>. Summer reading may be required.

Year Recommended: 10, 11, 12 **Schools:** SC, WC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: A/B in previous honors course or A in previous academic course with teacher recommendation

AP US Government—4A067XAP (1 Social Studies Credit)

This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Please visit the College Board course website for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-united-states-government-and-politics>. Summer reading may be required.

Year Recommended: 10, 11, 12 **Schools:** H, SC **Required:** No **Test:** AP Exam **Weighted:** Yes
Prerequisite: Civics; A/B in previous honors course or A in previous academic course with teacher recommendation

AP United States History Preparation—48005X0APP (1 Social Studies Credit)

This course addresses major themes of United States history, with special emphasis on social, political, cultural and economic topics. Students encounter a rigorous curriculum involving heavy reading and writing assignments to prepare students for AP US History.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** Yes
w/AP US History

Prerequisite: A/B in previous honors course or A in previous academic course with teacher recommendation

AP United States History—4A077X0AP (1 Social Studies Credit)

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-united-states-history>. Summer reading may be required.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** Yes **Test:** AP Exam **Weighted:** Yes
w/AP US History

Prerequisite: AP US History Preparation (A, B, C)
Preparation

Psychology—44032X0FR (1 Social Studies Credit)

This course is an in-depth study of human growth and development, human learning, the effects of emotions on behavior, and how humans adapt to and interact in a variety of environments. This course is recommended prior to taking AP Psychology.

Year Recommended: 11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors Psychology—44035X0SH (1 Social Studies Credit)

Honors Psychology will focus on human growth and development, human learning, the effects of emotions on behavior, and how humans adapt and interact in a variety of environments. Students will be asked to produce various amounts of assignments that will focus on the key themes of the course. Students, as they apply, will also be introduced to important community activists and may take part in a selection of field trips that are designed to enhance the students' broad understanding in the field.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: N/A

AP World History Modern—4A097X0AP (1 Social Studies Credit)

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 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 connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: A/B in previous honors course or A in previous academic course with teacher recommendation

AP Psychology—4A057X0AP (1 Social Studies Credit)

This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-psychology>. Summer reading may be required.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: A/B in previous honors course or A in previous academic course with teacher recommendation

Crime and Justice—48002X0CJ (1 Social Studies Credit)

This course in law and justice provides students with an opportunity for concentrated study of the legal, judicial, law enforcement and corrections systems of the United States. Students examine the types, causes and consequences of crime, along with the operational effectiveness of institutions and officials dealing with crimes. Guest speakers and field trips are used to give students a first person look at the judicial system.

Year Recommended: 10, 11, 12 **Schools:** SC, WC, V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: No

Turning Points in American History—43095X0H (1 Social Studies Credit)

In this course, we will analyze various turning points in American history in terms of causes and effects of the immediate time period as well as within the larger historical context. This would include historical interpretation and methods. Students will apply historical inquiry and methods to understand these turning points.

Year Recommended: 11,12 **Schools:** SC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: Honors Founding Principles of the United States of America and NC: Civic Literacy

Honors Critical Analysis of Conspiracy Narratives — 48005X0 (1 Social Studies Credit)

What if the British defeated the American Colonists in the Revolutionary War? What if the North, the Union, had been defeated in the Civil War? What if NAZI Germany and Japan won World War II? What if the Roswell UFO incident really occurred? What if OJ Simpson had been found guilty? In this course, students will learn and utilize tools of critical thinking, examine a mixture of historical facts, historical fiction, proven scandals, far-fetched conspiracy narratives, and alternate endings within American History.

Year Recommended: 11,12 **Schools:** SC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in American History

Honors Asian Studies — 48005X0HAS (1 Social Studies Credit)

Asian Studies is a conceptually driven course that aims to provide a broad framework for students to gain a historical and contemporary understanding of the individuals, groups, events, trends, and ideas surrounding Asian people living in the United States, Asia, and the Pacific. The course should provide students with an opportunity to engage with the social, economic, and political activities of Asia and the Pacific in a way that allows students to make deep connections across the content.

Year Recommended: 10,11,12 **Schools:** H **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Honors World History and teacher recommendation

Honors Middle Eastern Studies—48005X0MES (1 Social Studies Credit)

This course offers an introduction to Middle Eastern studies, an interdisciplinary field dedicated to understanding the Middle East through the complex and dynamic cultures of the region, past and present. By learning about the history, religion, literature, politics, and popular culture of the Middle East, students will begin to see beyond commonplace perspectives, generalizations, and misconceptions, gaining the skills needed to think in critical and informed ways about the Middle East and its place in the world. Students will utilize the resources of Middle Eastern voices and perspectives in the study of Middle Eastern cultures, and they will reflect on the ways in which issues such as colonization, nation-building, and gender shape the contemporary Middle East, as a region, and as individual nations. This course will provide students with current research and new perspectives on a region very often misunderstood in the modern world.

Year Recommended: 11,12 **Schools:** H **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Honors Asian Studies & teacher recommendation

Honors International Conflicts— 48005X0 (1 Social Studies Credit)

This course offers an introduction to the topic of international conflicts, the interdisciplinary field dedicated to understanding conflicts through the lens of historic and contemporary events. In this course, students will examine the issue of global conflicts/terrorism and the social, economic, political, and religious conditions that influence certain individuals, states, and groups to engage in activities. We will also examine the definitions, roots, and development of terrorism and its use as an agent of change for public policy, regime changes, and power bases. Students will learn the foundations of conflicts/terrorism and also develop a deeper understanding of why this deadly phenomenon continues to occur in the modern world.

Year Recommended: 11,12 **Schools:** H **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: Asian Studies or Middle Eastern Studies and teacher recommendation

HIS 131 American History I—(1 Credit)**

This course is a survey of American history from pre-history through the Civil War era. Topics include the migrations to the Americas, the colonial and revolutionary periods, the development of the Republic, and the Civil War. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in early American history.

Student must pass HIS 131 and HIS 132 to meet the American History NC Graduation Requirement.

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

HIS 132 American History II—(1 Credit)**

This course is a survey of American history from the Civil War era to the present. Topics include industrialization, immigration, the Great Depression, the major American wars, the Cold War, and social conflict. Upon completion, students should be able to analyze significant political, socioeconomic, and cultural developments in American history since the Civil War. **Student must pass HIS 131 and HIS 132 to meet the American History NC Graduation Requirement.**

Year Recommended: 11,12 **Schools:** CASA,CEC,H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: See Transition Advisor for CCP course requirements and eligibility**

WORLD LANGUAGES

German I—11612X0G1 (1 Credit)

German I will incorporate the three modes of communication—interpretive, interpersonal, and presentational—allowing students to practice activities in the target language that will reflect the way learners naturally acquire language, i.e. real-world settings or in the classroom. Students will also examine the practices, products, and perspectives of German-speaking cultures.

Year Recommended: 10,11,12 **Schools:** H,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

German II—11622X0G2 (1 Credit)

This course is a comprehensive review of German I. A greater variety of vocabulary is presented as well as more complex verb and sentence structure. Students will converse, read, and write at a higher level. Culture is presented throughout the semester.

Year Recommended: 10,11,12 **Schools:** H,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: German I

Honors German III—11635X0G3 (1 Credit)

The emphasis of this course is on advanced performance in speaking, listening, reading, and writing. Considerable emphasis is placed on speaking. Culture is presented throughout the semester. This course is designed around the interests of the students.

Year Recommended: 11,12 **Schools:** H,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in German II

Honors German IV—11645X0G4 (1 Credit)

The emphasis of this course is on advanced performance in speaking, listening, reading and writing. Students will read selections from German literature. German culture is presented. This course is designed around the interests of the students.

Year Recommended: 11,12 **Schools:** H,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in German III

Spanish I—11412X0S1 (1 Credit)

Spanish I will incorporate the three modes of communication—interpretive, interpersonal, and presentational—allowing students to practice activities in the target language that will reflect the way learners naturally acquire language, i.e. real-world settings or in the classroom. Students will also examine the practices, products, and perspectives of Spanish-speaking cultures.

Year Recommended: 10,11, 12 **Schools:** CASA,CEC,H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Spanish II—11422X0S2 (1 Credit)

This course is a comprehensive review of Spanish I. A greater variety of vocabulary is presented as well as more complex verb and sentence structure. Students will converse, read, and write at a higher level. Culture is presented throughout the semester.

Year Recommended: 10,11,12 **Schools:** CASA,CEC,H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Honors Spanish III—11435X0S3 (1 Credit)

The emphasis of this course is on advanced performance in speaking, listening, reading, and writing. Considerable emphasis is placed on speaking. Culture is presented throughout the semester. This course is designed around the interests of the students.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Spanish II

Honors Spanish IV—11445X0S4 (1 Credit)

The emphasis on this course is on advanced performance in speaking, listening, reading, and writing. Students will read selections from Spanish literature. Spanish culture is presented throughout the semester. This course will be designed around the interests of the students.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: A/B in Spanish III

ARTS

Beginning Art I—54152X0A1 (1 Credit)

This course presents a precise approach to broad areas of art. Creativity and aesthetic and technical development are encouraged in the production of works of art. Content may include experiences in drawing, painting, sculpture, printmaking, pottery and art appreciation. Students will be expected to maintain an art portfolio.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Intermediate Art II—54162X0A2 (1 Credit)

Intermediate Art II builds on the student's technical skills and foundation of knowledge developed in Beginning Art I. Covering more complex techniques than were presented in Beginning Art I, the course covers elements of art and principles of design, color theory, vocabulary, art history, and art making.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: successful completion of Beginning Art I

Proficient Art III—54175X0FH3 (1 Credit)

Proficient Art III is an advanced, honors course which involves more in-depth knowledge of processes, media, and history. Students learn to understand and apply media, techniques and processes. Analyzing common characteristics of visual arts across time and cultures and making connections between visual arts and other disciplines are a part of the course. Students also critique artwork using analysis, evaluation and interpretation. Students will be expected to maintain a portfolio of their work.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: successful completion of Art II and teacher recommendation

Advanced Art IV—54185X0SH4 (1 Credit)

Advanced Art IV is an advanced, honors course which continues with the concepts studied in Proficient Art III. The student must also be able to work independently in areas of research, expression and the processes of creating art. Students will be expected to maintain a portfolio of their work.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: successful completion of Art III and teacher recommendation

Digital Photography—54612X0DP (1 Credit)

This course will help students understand the fundamentals of digital photography. Four areas of instruction will be emphasized: how cameras work, how composition works, how lighting works and how to use photo editing software. Students will learn about the importance of photographic elements of art and principles of design and study the history of photography from a global perspective. Students will receive instruction, demonstration and see examples of desired outcomes. Students will also learn to critique their work along with their classmates' product.

Year Recommended: 10,11,12 **Schools:** SC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Art 1

AP Studio Art—5A047X0APD (1 Credit)

Advanced Placement Studio Art students will develop a comprehensive Drawing, 2D Design or 3D Design Portfolio of 15 images that meets the requirement for a rigorous college level studio art course. The portfolio will be scored by the College Board. Students will be expected to attain mastery in concept, composition, execution of ideas, thoughtful reflection, and reworking of artwork where necessary. Students should take Advanced Art Honors first semester and AP Studio Art second semester.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: Successful completion of Beginning, Intermediate, and Proficient Art and teacher recommendation

**Concert Band—52552X0SR(Beginning);
52562X0CB(Intermediate); 52575X0CBP(Proficient); 52585X0CBA(Advanced) (1 Credit)**

Concert Band consists of instruction in instrumental music. Performance in marching, jazz, concert, and chamber music is the focus of Concert Band. The course is generally taken for two semesters (fall and spring). Marching may be required, and all calendar events are mandatory, including after school rehearsals. One credit is earned each semester.

Levels Offered: Beginning, Intermediate, Proficient, Advanced

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes (Prof/Adv)

Prerequisite: successful completion of previous band course and High School Skills Placement Audition

**Symphonic Band—52552X0SBF/SBS (Beginning);
52562X0SBF/SBS (Intermediate); 52575X0SBF/SBS (Proficient); 52585X0SBF/SBS (Advanced) (1 Credit)**

This course consists of instruction in instrumental music. Performance in marching, jazz, and concert music is the focus of symphonic band. This course is generally taken for two semesters. Marching may be required, and all calendar events are mandatory, including after school rehearsals. One credit is earned each semester.

Levels Offered: Beginning, Intermediate, Proficient, Advanced

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes (Prof/Adv)

Prerequisite: successful completion of previous band course and High School Skills Placement Audition

**Marching Band—52552X0F (Beginning);
52562X0F (Intermediate); 52575X03MB (Proficient); 52585X04MB (Advanced) (1 Credit)**

This course consists of instruction in instrumental music and marching. Performance of marching band is the focus of this course. It is only offered during the fall semester. Performances at varsity football games and parades will be mandatory, and competitions may be necessary. All calendar events are mandatory, including after school rehearsals.

Levels Offered: Beginning, Intermediate, Proficient, Advanced

Year Recommended: 9,10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** Yes (Prof/Adv)

Prerequisite: successful completion of previous band course and High School Skills Placement Audition

Wind Ensemble—52575X0G(Proficient); 52585X0G (Advanced) (1 Credit)

This course consists of instruction in instrumental music. Performance in marching, jazz, concert, and chamber music is the focus of Wind Ensemble. This course is taken for two semesters (fall and spring). Marching is required, and all calendar events are mandatory, including after school rehearsals. One credit is earned each semester.

Levels Offered: Proficient, Advanced

Year Recommended: 9,10,11,12 **Schools:** SC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: successful completion of previous band course and High School Skills Placement Audition

Honors Music Theory—52185X0HMT (1 Credit)

This course is for anyone interested in learning about the fundamentals of music and/or learning to play an instrument. This course is also recommended for students who want to major in music at the college level. This course will help to prepare students for AP Music Theory.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Band or Chorus and teacher recommendation

AP Music Theory—5A017X0AP (1 Credit)

AP Music Theory corresponds to two semesters of a typical introductory college music theory course covering topics such as musicianship, theory, musical materials, and procedures. Students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Please visit the College Board course website from more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-music-theory>. Summer reading may be required.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: Honors Music Theory or MUS 111 and teacher approval

Chorus I—52302X0FR(Beg.); 52312X0FA(Intermediate) (1 Credit)

Chorus I is for all beginning choral students. The course will concentrate on correct vocal technique, basic music reading, and aural training. Students will develop an understanding of vocal literature in relationship to history, culture, and other content areas. Students are required to participate in all performances. Students may receive honors credit in this course by completing an audition, meeting the requirements of the NC Essential Standards, and completing various requirements throughout the semester at the discretion of the director.

Levels Offered: Beginning, Intermediate

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Chorus II—52302X0SR(Beg.); 52312X0SA(Intermediate) (1 Credit)

Chorus II is for all beginning choral students. The course will concentrate on correct vocal technique, basic music reading, and aural training. Students will develop an understanding of vocal literature in relationship to history, culture, and other content areas. Students are required to participate in all performances. Students may receive honors credit in this course by completing an audition, meeting the requirements of the NC Essential Standards, and completing various requirements throughout the semester at the discretion of the director.

Levels Offered: Beginning, Intermediate

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Concert Choir—52302X0CCB(Beg.); 52312X0CCI(Intermed.); 52325X0CCP(Prof) (1 Credit)

Concert Choir will center on building and reinforcing vocal technique and music literacy. Students will sing moderately difficult vocal literature that require well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys. Literature will be selected from a wide range of styles. Students will exhibit an understanding of the basic proficiencies in music performance, listening, appreciation, history, and analyzing, and will refine sight-reading and ear-training skills. Students are required to participate in all performances. Students may receive honors credit in this course by completing an audition, meeting the requirements of the NC Essential Standards, and completing various requirements throughout the semester at the discretion of the director.

Levels Offered: Beginning, Intermediate, Proficient

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes (Prof)

Prerequisite: Successful completion of previous chorus course and audition

Honors Ensemble Proficient—52185X0HEP (1 Credit)

Honors Ensemble Proficient will provide students with the opportunity to develop and demonstrate vocal practices and refine the use of the voice as an instrument. Students perform as soloists and in an ensemble, concerts, and contests. Music is performed from levels IV, V, and VI. Students will exhibit proficiency in music performance, conducting, listening, appreciation, history, and analysis. Students will be required to maintain a portfolio of their work.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Successful completion of audition and/or teacher recommendation

Honors Ensemble Advanced—52195X0HEA (1 Credit)

Honors Ensemble Advanced will provide students with the opportunity to develop and demonstrate advanced vocal practice and refine the use of the voice as an instrument. Students perform as soloists in ensembles, concerts and contests. Music is sight-read from levels V and VI. Students demonstrate the ability to analyze musical form, texture, chord structure and progression, and score analysis. Critique of self and others in musical performance is required. Students will be required to maintain a portfolio of their work.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Successful completion of audition and/or teacher recommendation

Beginning Theatre Arts—53152X0 (1 Credit)

Beginning Theatre Arts focuses on vocal and physical communication, theatre through history, styles of theatre, experience in acting, and reading and writing related to theatre study. Students should be prepared to make a commitment of time beyond basic in-class instruction. An out-of-class project may be required.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Intermediate Theatre Arts—53162X0A2 (1 Credit)

Intermediate Theatre Arts is for students who wish to continue their exploration of theatre arts. It is a more detailed study of theatre vocabulary, reading and writing of theatre literature, acting, and technical theatre. The acting experience in Intermediate Theatre Arts furthers the exploration of the concepts of self, body, and voice work, improvisation, acting techniques, and reading and writing. In addition, students analyze and critique work developed by themselves or other students as well as that generated throughout history and in various cultures.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Successful completion of Beginning Theatre Arts and/or teacher recommendation

Proficient Theatre Arts—53175X0F3 (1 Credit)

Proficient Theatre Arts is an advanced continuation of Beginning and Intermediate Theatre Arts. This course involves additional in-depth application of theatre arts knowledge, skills and processes. Class work consists of advanced, more individualized work in a seminar style with in-depth research, analysis, application and production. Students will exhibit professional standards in script writing, acting, producing and directing as they relate to theatre performance. Students will be required to maintain a portfolio of their work.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Successful completion of Intermediate Theatre Arts and/or teacher recommendation

Advanced Theatre Arts—53185X0F4 (1 Credit)

Advanced Theatre Arts is an advanced continuation of Proficient Theatre Arts and will require students to become the initiator of learning and accomplishment. Students will have the opportunity for advanced work in a seminar style with in-depth research, analysis, application and production. Students will be expected to demonstrate leadership and expertise in doing theatre. Students will be required to maintain a portfolio of their work.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Successful completion of Proficient Theatre Arts and teacher recommendation

Play Production—53612X0 (1 Credit)

Play Production takes students through the steps and procedures of producing a play including acting, lighting, props, set, costumes, sound, and publicity. This course is only offered after school from 3-5:00pm, Monday-Thursday. Students must provide their own transportation and parent/guardian approval is required.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Teacher approval and parent/guardian consent

Beginning Musical Theatre—53612X0BMT; Intermediate Musical Theatre—53612X02MT (1 Credit)

Musical Theatre is designed to train actors in a wide range of skills, techniques, and experiences that provide a broad overview of theatrical performance, practice, history, and literature. Students will create a foundation of healthy vocal habits, study vocal literature, explore dance and choreographed movement onstage, and study music theory and acting principles. Course work will result in a collaborative student-directed musical revue for the community.

Year Recommended: 9,10,11,12 **Schools:** WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Successful completion of Beginning Chorus or Beginning Theatre Arts and/or an audition

Theatre Arts Electives (1 Credit)

Students interested in continuing their Theatre Arts education may select a theatre arts elective course. Elective theatre arts courses are as follows: Playwriting, Acting, Directing, Theatre Criticism, Theatre Design, Technical Theatre, Theatre History, Literature, Criticism, and Theory.

Year Recommended: 9,10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Teacher recommendation

MEDIA

Broadcasting/Video Production—10312X0VP (1 Credit)

In Broadcasting/Video Production, students learn basic elements of video production as well as hands-on production work on short cable programs and daily announcements. Students are broken into production teams to conceive, outline, script, shoot, and edit video programs. Students also study broadcasting history and how television works.

Year Recommended: 10,11,12 **Schools:** WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Application and approval of media coordinator

Media Center Research & Technology—96102X0MRA (1 Credit)

Library science students are taught basic skills in library research, organization, and management. Specific skills include arrangement of materials, circulation of library resources, use of the on-line card catalogue, research utilizing online resources, and the use of special reference materials such as computer networks, CD-ROMs and telecommunications. Completion of projects or other assigned activities such as video production techniques may be required in the course. At SCHS, the course may be taken two semesters for one unit of credit each semester, but it may not be repeated in the same school year. At HHS, the course may not be repeated and is only open to juniors and seniors. At WCHS, the course may be repeated in the same school year.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Application and approval of media coordinator

SERVICE & SUPPORT

Science courses are listed as they are normally sequenced.

Community Action Projects—99359X0CA (0 Credit)

Students will learn and demonstrate responsibility through community service within and outside the school. Students will assist in various settings such as the administrative office, guidance areas, other public schools, governmental agencies, and other career-related sites. Students will be expected to provide their own transportation to service areas away from the school site. A daily log of all activities must be kept. Essays related to the project will be required at specified times throughout the semester. Students must have prior approval before registration. See counselor for additional information.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Permission from school administrator

CIS/CASEE I—9610X0C1F (1 Credit)

This course strengthens students' study skills, values, problem solving skills, employability skills, and career exploration. It offers individualized adult support through tutors/mentors from the community.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Approval by CIS (Communities in Schools)

CIS/CASEE II—96102X0C2S (1 Credit)

This course is a continuation of the sequence of studies begun in CASEE I. Individualized support from the community and tutors/mentors from business and industry will be continued.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Approval by CIS (Communities in Schools); CASEE I

Teacher Cadet I Honors—96045XO (1 Credit)

If a student is considering teaching as a career, this is the ideal course to take. The course is designed to introduce students to the field of education by providing them with four distinct learning units.

Unit I - The Learner: the students become better acquainted with themselves as individuals, learners, and community members.

Unit II - The School: students develop a greater understanding of the history of education in our state and nation, as well as insights into the structure and functions of our schools and school systems.

Unit III - Experiencing Education: students become acquainted with the teacher as both a person and a professional; this unit includes an extended field experience in one or more classrooms.

Unit IV - Culminating Activities: students participate in a number of activities that allow them to reflect on and appreciate their experiences in the Teacher Cadet program.

Students will be assigned to a teacher at a local elementary, intermediate, or middle school. Students must provide their own transportation.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: 2.8 unweighted GPA and Teacher Recommendations

Teacher Cadet II Honors—96065XO (1 Credit)

Teacher Cadet II is designed to provide additional field experience for those students who have successfully completed the Teacher Cadet I course. For students who know they want to enter the education profession, this field experience will enhance their experience and understanding of classroom instruction and the challenges facing education today.

Year Recommended: 12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: Teacher Cadet I Honors

PHYSICAL EDUCATION

All Physical Education courses, with the exception of 9th Grade Health and Physical Education, are elective courses. Only those students who are interested in such courses and the activity required should register. All classes require dressing out in gym clothes and daily participation. Physical fitness will be a part of all courses. Students may register for no more than one Physical Education course per semester.

Health and Physical Education—60492X0HPE (1 Credit)

This required course combines the teaching of health with physical education. The health program emphasizes knowledge, skills, and attitudes, which enable the student to maintain mental, emotional, and physical health for life. Units on CPR and the Healthy Youth Act are included. The physical education program focuses on participation in physical fitness activities that will serve the purpose of both fitness and recreational enjoyment throughout life.

Year Recommended: 9 **Schools:** G,H,SC,WC,V **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: N/A

Personal Fitness—60602X0PE (1 Credit)

This course is designed for students who are interested in learning ways to relax and relieve anxiety while increasing their physical endurance. Students will participate in yoga activities, specialized personal conditioning, skill development, cardiovascular and muscular endurance activities to enhance their personal fitness.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: C or better in previous PE course(s)

Lifetime Activities/Individual Sports—60602X0LE (1 Credit)

These courses emphasize skills and techniques that will enable students to participate in team and/or individual sports and to develop skills and knowledge needed to remain active throughout their lifetime. Activities may include golf, tennis, ping-pong, horseshoes, badminton, archery, recreational swimming, line dancing, and fitness walking. They will also include a brief history, rules, and etiquette of each activity.

Year Recommended: 10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: C or better in previous PE course(s)

Strength and Flexibility Training—60602X0SE (1 Credit)

The Strength and Flexibility Training series is designed for the student who is interested in increasing his/her body performance through an individual effort and constantly working with weights.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: C or better in previous PE course(s)

Weight Training—60602X0AE (1 Credit)

Weight Training is designed for students participating in a beginning resistance training program. Resistance training programs will be designed to teach basic and correct fundamentals for lifting, conditioning, agility, flexibility, and plyometric activities. Nutritional aspects will be included.

Year Recommended: 10,11,12 **Schools:** H,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: C or better in previous PE course(s)

Fall Sports—60602X0FS (1 Credit)

These courses will present advanced instruction in the rules, methods, and techniques of baseball, basketball, and/or wrestling. Specific sports may vary by school. These courses will include individual and specialized personal conditioning and development. Classroom assignments may accompany the physical instruction presented in this class.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: C or better in previous PE course(s); dept. chair permission

Spring Sports—60602X0SS (1 Credit)

These courses will present advanced instruction in the rules, methods, and techniques of baseball, football, soccer, and/or softball. Specific sports may vary by school. These courses will include individual and specialized personal conditioning and development. Classroom assignments may accompany the physical instruction presented in this class.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: C or better in previous PE course(s); dept. chair permission

Honors Exercise and Sport Science—60395X0HSS (1 Credit)

This course will present advanced instruction in resistance training, rules, methods, and techniques of sports such as basketball, wrestling, track and field, football, soccer, swimming, and volleyball. Specific sports may vary by school and by semester. Students can enroll first or second semester. This course will include nutritional awareness, correct lifting, conditioning, agility, flexibility, and plyometric activities. Class assignments will accompany the physical instruction presented in this course. Students can take this class once each year and may take the course up to 3 times in a high school career.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Weight Training or sign off by Varsity Coach or ROTC Instructor and B or better in previous PE course(s)

Field Maintenance and Officiating—60602X0FMO (1 Credit)

This class is for any Junior or Senior who is interested in learning how to maintain athletic fields and become an official. Students will learn the skills needed to layout, groom and paint multiple fields to include soccer, baseball, football, softball and band fields. In addition, students will be taught the general philosophy needed to officiate any sport as well as the general rules for football, basketball, baseball, volleyball, softball and soccer.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

NJROTC

NJROTC offers an exciting and challenging academic program designed to encourage critical and creative thought and to provide an opportunity to practice leadership in the school and community settings. These courses will provide valuable preparation for students interested in continuing their education at the university level and can assist in attaining acceptance to the U.S. Military Academies or institutions offering Reserve Officers Training Corps scholarships. It will also assist students interested in entering the military after completing high school. All applicants for the Naval Science courses will be pre-screened and selected for participation by the Naval Science Instructors.

Naval Science I—95012X0NS1 (1 Credit)

The Naval Science I course includes instruction in the history and benefits of the NJROTC program, career planning, and Navy Core Values. It also provides instruction on Leadership, Citizenship, the Foundations of our Government, and Navy Ships and Aircraft. Additionally, the course includes instruction on Uniform Regulations, Navy/NJROTC Ranks and Rates, Military Customs, Courtesies, Etiquette and Ceremonies, Health Education, Physical Fitness, First Aid, Orienteering and Survival. Participating cadets are eligible to participate in field trips to military installations, naval ships, and points of historical interest.

Year Recommended: 9,10,11,12 **Schools:** SC,WC,V **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Naval Science II—95022X0NS2 (1 Credit)

Naval Science II includes instruction in: Maritime History from Early Western Civilization through the 1990's and Leadership, and Nautical Sciences including Geography, Oceanography, Meteorology, Astronomy, and Physical Science. This course also includes practical application of leadership, military drill, commands and ceremonies. In addition, cadets are eligible to participate in various field trips to military installations, naval ships and points of historical interest.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Naval Science I

Honors Naval Science II—95025X0NS2 (1 Credit)

Students selected for NS2 honors course will plan and execute an approved Service Learning Project. Students approved for these courses are expected to be available in excess of normal class time (i.e. for occasional before/after school meetings, weekend trips/activities.) They will also be expected to maintain passing grades in all other courses/subject areas, have and maintain a superior discipline record, and have an above average record in their NJROTC courses and NJROTC co-curricular program activities. Drones and robotic submarines are introduced in this course.

Year Recommended: 10 **Schools:** SC, WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: Naval Science I

Naval Science III—95032X0NS3 (1 Credit)

Naval Science III includes instruction in: Sea Power and National Security, Naval Operations, Basic Seamanship, Military Law, International Law and the Sea, Damage Control, Navigation, Weapons and Aircraft. The course also includes practical application of advanced leadership, military drill, and ceremonies. The cadets are eligible to participate in various field trips to military installations, naval ships and points of interest.

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: Naval Science II

Honors Naval Science III—95035X0NS3 (1 Credit)

Students selected for NS3 honors course will be scheduled in regular JROTC periods and will serve both as company (class) leaders and lab assistants. This hands-on experience affords students the opportunity to apply leadership and management lessons from previous JROTC courses. Students will assist and/or lead in the presentation of drill, physical training and other class activities. They will present supervised classroom instruction to other cadets, and receive special instruction from course instructors concerning staff procedures, the chain of command, and procedures for managing the JROTC program. The application of drones and robotic submarines will be included in this course.

Year Recommended: 11 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** Yes
Prerequisite: Naval Science II

Naval Science IV—95042X0NS4 (1 Credit)

Naval Science IV includes instruction in: Fundamentals of Leadership, Responsibilities and Qualities of Leadership, and Effective Communications. The course also includes an introduction to financial planning, advanced leadership, military drill, and ceremonies.

Year Recommended: 12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Naval Science III

Honors Naval Science IV—95045X0NS4 (1 Credit)

Students selected for NS3 honors course will be scheduled in regular JROTC periods and will serve both as company (class) leaders and lab assistants. This hands-on experience affords students the opportunity to apply leadership and management lessons from previous JROTC courses. Students will assist and/or lead in the presentation of drill, physical training and other class activities. They will present supervised classroom instruction to other cadets, and receive special instruction from course instructors concerning staff procedures, the chain of command, and procedures for managing the JROTC program

Year Recommended: 12 **Schools:** SC, WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: Naval Science III

Naval Science Command and Staff—95052X0NCC (1 Credit)

Naval Science Command & Staff is a top-level course with particular application of leadership skills. Participants will lead and direct all NJROTC teams and activities, tutor academic classes, and direct drill for the Naval Science I and II classes. Senior Cadets taking the course will be placed into Naval Science I and II classes to assist the Naval Science Instructors.

Year Recommended: 12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Naval Science III and discretion of instructor

Naval Leadership Laboratory I—99359X0NL1 (1 Credit)

Naval Leadership Laboratory offers an opportunity to apply the principles of leadership and discipline in drill team and field day (athletic) competitions. The course stresses individual responsibility and provides an opportunity to develop leadership, teamwork and high standards of personal conduct, physical fitness and appearance. All cadets taking this course are members of the Varsity Drill Team or Color Guard Units and will participate in competitive events throughout the nation.

Year Recommended: 9,10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Naval Science I, pass physical fitness test, and discretion of instructor

Naval Leadership Laboratory II—99359X0NL2 (1 Credit)

Naval Leadership Laboratory II offers continued opportunities to apply the principles of leadership and discipline in drill team and field day (athletic) competitions. The course stresses individual responsibility and provides an opportunity to develop leadership, teamwork and high standards of personal conduct, physical fitness and appearance. All cadets taking this course are members of the Varsity Drill Team or Color Guard Units and will participate in competitive events throughout the nation.

Year Recommended: 9,10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Naval Leadership Laboratory I, pass physical fitness test, and discretion of instructor

Naval Leadership Laboratory III—99359X0NL3 (1 Credit)

Naval Leadership Laboratory III offers continued opportunities to apply the principles of leadership and discipline in drill team and field day (athletic) competitions. The course stresses individual responsibility and provides an opportunity to develop leadership, teamwork and high standards of personal conduct, physical fitness and appearance. All cadets taking this course are members of the Varsity Drill Team or Color Guard Units and will participate in competitive events throughout the nation.

Year Recommended: 9,10,11,12 **Schools:** SC,WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Naval Leadership Laboratory II, pass physical fitness test, and discretion of instructor

* denotes a Concentrator Course

CAREER DEVELOPMENT

Career Management—CC452X0 (1 Elective Credit) Honors Career Management—CC455X0 (1 Elective Credit)

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. Students will prepare a resume, learn job interview techniques and learn how to interact and build healthy relationships at work.

Year Recommended: 9,10

Schools: G,H,SC,WC,V

Required: No

Test: CTE
Performance Based
Measure

Weighted:
Honors Section

Prerequisite: NONE

AGRICULTURE

Animal Science I—AA212X0 (1 Elective Credit) Honors Animal Science I--AA215X0 (1 Elective Credit)

This course focuses on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal science career. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Year Recommended: 10,11,12

Schools: WC

Required: No

Test: CTE
Performance Based
Measure

Weighted:
Honors Section

Prerequisite: None

*Honors Animal Science II—AA225X0 (1 Elective Credit)

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. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Students have the opportunity to earn *Articulated College Credit for ANS-110 Animal Science*. See instructor for details.

Year Recommended: 10,11,12

Schools: WC

Required: No

Test: CTE
Performance Based
Measure

Weighted: Yes

Prerequisite: AA21 Animal Science I

Horticulture I—AP412X0 (1 Elective Credit) Honors Horticulture I AP415X0 (1 Elective Credit)

Students learn the basics of growing and managing fruits, vegetables, and landscape plants. Students will be using hands-on activities in the greenhouse and the outdoors as their lab. Topics in this class include FFA and leadership, plant growth needs, plant identification, soils and fertilizers, pest management, and lawn and garden studies. Proof of insurance is required. *Students have the opportunity to earn Articulated College Credit for HOR 150 Introduction to Horticulture*. See instructor for details.

Year Recommended: 9,10,11,12

Schools: SC,WC

Required: No

Test: CTE
Performance Based
Measure

Weighted:
Honors Section

Prerequisite: None

*Horticulture II-AP422X0 (1 Elective Credit) *Honors Horticulture II-AP425X0 (1 Elective Credit)

Students in this course are already experienced in the operation of the greenhouse and horticultural activities. Topics in this class include FFA and leadership, plant identification, greenhouse production, landscape design and maintenance, floriculture, nursery production, turf grass management, and pest management. Students may choose HONORS. See Ag teacher for honors course requirements. Proof of insurance is required.

Year Recommended: 10,11,12

Schools: SC,WC

Required: No

Test: CTE
Performance
Based Measure

Weighted:
Honors Section

Prerequisite: AP41 Horticulture I

Agricultural Mechanics I – AS312X0 (1 Elective Credit)
Honors Agricultural Mechanics I – AS315X0 (1 Elective Credit)

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 day-to-day problems and repair needs they will encounter in their chosen agricultural career. Topics include: agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, basic metal working, basic leadership development. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Year Recommended: 9,10,11,12 **Schools:** SC **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: None

***Honors Agricultural Mechanics II– AS325X0 (1 Elective Credit)**

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, plumbing, concrete and masonry, agricultural power and advanced career exploration/decision making. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. *Students have the opportunity to earn Articulated College Credit for **WLD-112 Basic Welding Processes OR AGR-111 Basic Farm Maintenance**. See instructor for details.*

Year Recommended: 10,11,12 **Schools:** SC **Required:** No **Test:** CTE State Assessment **Weighted:** Yes

Prerequisite: AS31 Agricultural Mechanics I

BUSINESS, FINANCE & MARKETING EDUCATION

Accounting I-BA102X0 (1 Elective Credit)

Honors Accounting I-BA105X0 (1 Elective Credit)

This course introduces the student to basic accounting which could lead to careers as a CPA or a bookkeeper. If you plan to take accounting in college, then you won't want to miss taking this class! All major accounting areas are studied--business transactions, financial statements, banking and payroll, and basic types of business ownership. Students have the opportunity to earn Articulated College Credit for **ACC 115 College Accounting OR ACC 118 Accounting Fundamentals I**.

Year Recommended: 10,11,12 **Schools:** H,SC,V **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: None

***Honors Accounting II—BA205X0 (1 Elective Credit)**

This course is a must if you want to major in Accounting, Business or Finance in college to enter the workplace! The use of the computer is integrated with accounting principles and procedures. Major content areas include review of basic accounting procedures; partnership accounting; budgetary control systems; accounting for taxes, notes, and drafts; corporation accounting; and cost accounting. *Students have the opportunity to earn Articulated College Credit for **ACC 115 College Accounting OR ACC 118 Accounting Fundamentals OR ACC 119 Accounting Fundamentals II**.*

Year Recommended: 11,12 **Schools:** H,SC **Required:** No **Test:** CTE State Assessment **Weighted:** Yes

Prerequisite: BA10 Accounting I

Business Essentials—BF102X0 (1 Elective Credit)

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

Year Recommended: 9,10,11,12 **Schools:** H,G,SC,V **Required:** No **Test:** CTE State Assessment **Weighted:** No

Prerequisite: None

Business Management I—BB402X0 (1 Elective Credit)
Honors Business Management—BB405X0 (1 Elective Credit)

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 with academic and critical-thinking skills.

Year Recommended: 9,10,11,12 **Schools:** H,V **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: BF10 Business Essentials (previously titled Principles of Business & Finance)

***Business Management II—BB422X0 (1 Elective Credit)**
***Honors Business Management II—BB425X0 (1 Elective Credit)**

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.

Year Recommended: 10,11,12 **Schools:** H **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: BB40 Business Management I

Python Programming I—BP142X0 (1 Elective Credit)
Honors Python Programming I—BP145X0 (1 Elective Credit)

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.

Year Recommended: 9,10,11,12 **Schools:** H **Required:** No **Test:** CTE Performance Based Measure **Weighted:** Honors Section

Prerequisite: None

***Python Programming II—BP162X0 (1 Elective Credit)**
***Honors Python Programming II—BP165X0 (1 Elective Credit)**

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 Python programming knowledge which will allow them to design, write, debug, and run programs encoded in the Python language, and to understand the basic concepts of software development technology. In addition, students will learn IoT (Internet of Things) skills which can help transform any business in any industry, from manufacturing to saving endangered species. Students will apply basic programming (using Python) to support IoT devices. This course will prepare students for taking the PCAP: Certified Associate in Python Programming certification exam. Associate certification scaffolds to certification as a Certified Expert in Python Programming.

Year Recommended: 10,11,12 **Schools:** H **Required:** No **Test:** CTE Credential **Weighted:** Honors Section

Prerequisite: BP14 Python Programming I

Entrepreneurship I—ME112X0 (1 Elective Credit)
Honors Entrepreneurship I—ME115X0 (1 Elective Credit)

In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. An alternate proof of learning will be used in this course to assess student learning. *Students have the opportunity to earn Articulated College Credit for [ETR-210 Intro to Entrepreneurship](#). See instructor for details.*

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** CTE Performance Based Measure **Weighted:** Honors Section

Prerequisite: None

***Honors Entrepreneurship II—ME125X0 (1 Elective Credit)**

In this course, students continue the development of a business idea and develop an understanding of pertinent decisions to be made for business positioning, financing, staffing, and profit planning. Students acquire in-depth understanding of business regulations, risks, management, and marketing and will use the Lean Canvas Business Model (LCBM) to develop their business idea. An alternate proof of learning will be used in this course to assess student learning.

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** CTE Performance Based Measure **Weighted:** Yes

Prerequisite: ME11 Entrepreneurship I

Project Management I —CS112X0 (1 Elective Credit) **Honors Project Management I—CS115X0 (1 Elective Credit)**

Project management is the discipline of planning, organizing, and managing resources to bring about the successful completion of a project, namely, achieving its goals and objectives. Increasingly businesses organize their work around projects. This course will introduce students to the principles, concepts, and software applications used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations.

Year Recommended: 10,11,12 **Schools:** H,WC **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: None

***Honors Project Management II—CS125X0 (1 Elective Credit)**

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

Year Recommended: 10,11,12 **Schools:** H,WC **Required:** No **Test:** CTE Credential **Weighted:** Yes

Prerequisite: CS11 Project Management I

Microsoft Word & Powerpoint—BM102X0 (1 Elective Credit) **Honors Microsoft Word & Powerpoint—BM105X0 (1 Elective Credit)**

Are you interested in preparing for life after school? How about obtaining recognized industry certification? If you answered “yes” to either one of these questions, this class is for you. After completion of each of the components of Microsoft Office (Word, PowerPoint), students will have the opportunity to take Microsoft assessments in these two areas to achieve Microsoft Office Specialist (MOS) certifications. These certifications are recognized as “Industry Standards” and look GREAT on a résumé! This is an incredible opportunity for high school students. *Students have the opportunity to earn Articulated College Credit for CIS 111 Basic PC Literacy OR CIS 124 DTP Graphics Software OR OST 136 Word Processing. See instructor for details.*

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** Microsoft Credential **Weighted:** Honors Section

Prerequisite: None

Honors Microsoft Excel BM205X0EXH (1 Elective Credit)

This class is designed to prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Students will create and edit workbooks and use graphic elements to visually represent data. Students will leave the class with a fundamental understanding of Excel and the ability to complete tasks independently. *Students have the opportunity to earn Articulated College Credit for CTS-130 Spreadsheet.*

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Microsoft Credential **Weighted:** Yes

Prerequisite: None

Business Law—BB302X0 (1 Elective Credit) **Honors Business Law—BB305X0 (1 Elective Credit)**

Do you know your rights? Do you know how law for the minor differs from law for the adult? Anyone who wants to know the basic laws or who is planning a career in a business or legal profession, this is the class for YOU! Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

Year Recommended: 9,10,11,12 **Schools:** H **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: None

Financial Planning I—BF212X0 (1 Elective Credit)

Honors Financial Planning I—BF215X0 (1 Elective Credit)

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.

Year Recommended: 9,10,11,12 **Schools:** H,SC **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: BF10 Business Essentials (formerly titled Principles of Business & Finance)

***Financial Planning II—BF222X0 (1 Elective Credit)**

***Honors Financial Planning II—BF225X0 (1 Elective Credit)**

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.

Year Recommended: 10,11,12 **Schools:** H,SC **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: BF21 Financial Planning I

MARKETING & ENTREPRENEURSHIP

Marketing—MM512X0 (1 Elective Credit)

Ever wonder how Nike, Apple, or McDonald's became so famous? The exciting world of Marketing will provide students with a clear understanding of how one idea can grow into a multi-billion dollar product line! Marketing provides students with an understanding of how products are brought from idea to store shelf. Students will have a chance to create new products and market them efficiently. This course includes activities such as newspaper ad layouts, creating TV commercials, creating a new brand of cereal, and several industry based field trips. Students who are enrolled in this course can be members of DECA. These organizations offer numerous scholarship and leadership development opportunities. (As a Marketing student at SC, each individual will play a role in the operation and marketing of the Spartan Spirit Shop...solely operated by Marketing students!) *Students have the opportunity to earn Articulated College Credit for ETR 230 Entrepreneur Marketing OR MKT 110 Principles of Fashion OR MKT 120 Principles of Marketing. See instructor for details.*

Year Recommended: 9,10,11,12 **Schools:** SC,WC,V **Required:** No **Test:** CTE Performance Based Measure **Weighted:** No

Prerequisite: None

***Marketing Applications—MA522X0 (1 Elective Credit)**

***Honors Marketing Applications—MA525X0 (1 Elective Credit)**

In this course students will apply an understanding of marketing functions and impact of the functions on business decisions. Through problem solving and critical thinking, students will apply knowledge and skills in the areas of customer relations, economics, financial analysis, channel management, marketing-information management, marketing planning, products and services management, and selling. Relative opportunities are available for students to use technology to acquire and use marketing information. English language arts and social studies are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. 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.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: MM51 Marketing I

Marketing Cooperative Education—MM516X0 (1 Elective Credit)

Students are required to work a minimum of 240 hours to receive one credit. The training site/job must be related to the marketing field and approved by the instructor. **Enrollment by instructor approval only.**

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** None **Weighted:** No
Prerequisite: Currently enrolled in Marketing course and approval of instructor. Students must provide their own transportation to their workplace.

Sport & Event Marketing I—MH312X0 (1 Elective Credit)

Love sports and movies? Have you ever dreamed of pursuing a career in the sports or entertainment industry? The field of sports and entertainment marketing is rapidly growing. This course is for students who are interested in pursuing a career in the sports or entertainment industry including managing sports programs at all levels, facility management, event planning, event sponsorship, and public relations. Students who are enrolled in this course can be members of DECA. *(As a Marketing student at SC, each individual will play a role in the operation and marketing of the Spartan Spirit Shop...solely operated by Marketing students!)*

Year Recommended: 9,10,11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Performance Based Measure **Weighted:** No
Prerequisite: MM51 Marketing I recommended

*Honors Sport & Event Marketing II—MH325X0 (1 Elective Credit)

This course is designed for students interested in an advanced study of sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: business management, career development options, client relations, ethics, events management, facilities management, legal issues and contracts, promotion, and sponsorships. Work-based learning strategies are appropriate for this course.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Performance Based Measure **Weighted:** Yes
Prerequisite: MH31 Sport & Event Marketing I

Intro to Graphic Communications—IA112X0 (1 Elective Credit)

This course provides students an overall understanding of the printing industry, its major operations, and the fundamental measurement, math, and interpersonal skills needed for a career in the printing industry. SkillsUSA competitive events, community service, and leadership activities provide many opportunities.

Year Recommended: 9,10,11,12 **Schools:** H **Required:** No **Test:** CTE District Assessment **Weighted:** No
Prerequisite: None

Adobe Visual Design I—II412X0 (1 Elective Credit)

Honors Adobe Visual Design I—II415X0 (1 Elective Credit)

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

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** CTE Credential **Weighted:** Honors Section
Prerequisite: None

Adobe Visual Design II—II422X0 (1 Elective Credit)

Honors Adobe Visual Design II—II425X0 (1 Elective Credit)

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

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** CTE Credential **Weighted:** Honors Section
Prerequisite: II41 Adobe Visual Design I

***Adobe Video Design I—II452X0 (1 Elective Credit)**

***Honors Adobe Video Design I—II455X0 (1 Elective Credit)**

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. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Year Recommended: 10,11,12

Schools: H,SC

Required: No

Test: CTE
Credential

Weighted:
Honors Section

Prerequisite: None

FAMILY & CONSUMER SCIENCE

Apparel & Textile Production I—FA312X0 (1 Elective Credit)

In this course students are introduced to clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Proof of insurance is required.

Year Recommended: 9,10,11,12

Schools: SC,WC,V

Required: No

Test: CTE State
Assessment

Weighted: No

Prerequisite: None

***Apparel & Textile Production II-FA322X0 (1 Elective Credit)**

***Honors Apparel & Textile Production II-FA325X0 (1 Elective Credit)**

In this course students are introduced to advanced clothing and housing apparel development skills. The use of fibers and fabrics is combined with design and construction techniques to develop and produce clothing or housing apparel products. A real or simulated apparel business enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio. Proof of insurance is required.

Year Recommended: 10,11,12

Schools: SC,WC

Required: No

Test: CTE State
Assessment

Weighted:
Honors Section

Prerequisite: FA31 Apparel and Textile Production I

Child Development—FE602X0 (1 Elective Credit)

Honors Child Development—FE605X0 (1 Elective Credit)

This course introduces students to responsible nurturing and basic applications of child development theory. Emphasis is on the parents' responsibilities for and the influences on children while providing care and guidance. Skills in communication, resource management and problem solving are reinforced in this course. This course is an excellent opportunity for students who wish to gain experience working in the fields of teacher education, medicine, psychology, or social work.

Year Recommended: 9,10,11,12

Schools: H,SC,WC,V

Required: No

Test: CTE State
Assessment

Weighted:
Honors Section

Prerequisite: None

***Honors Early Childhood Education I-FE115X0 (2 Elective Credits)**

This 2-unit, one-semester course prepares students for careers working with children--birth through age 12. Emphasis is placed on enhancing the development of young children while providing care and teaching. Topics include stages of development, health, safety, guidance, careers, and developmentally appropriate activities. Skills in communication and interpersonal relationships are reinforced. An internship makes up 50 percent of instructional time. This course is an excellent opportunity for students who wish to gain experience working in the fields of teacher education, medicine, psychology, or social work. To be eligible for North Carolina Credential, students participating in work-based learning experiences in childcare centers **must be at least 16 years of age prior to October 1st of the current enrollment year. This course requires a current TB test and a criminal background check. Some cost may be incurred by the student.** At HHS, students will participate in off-campus child care settings for lab experiences. SCHS has a lab on site. Proof of insurance is required. *Students have the opportunity to earn Articulated College Credit for EDU 119 Intro to Early Childhood Education if they meet requirements for both Early Childhood I and II.*

Year Recommended: 11,12

Schools: H,SC

Required: No

Test: CTE
Performance
Based Measure

Weighted: Yes

Prerequisite: FE60 Child Development

Honors Early Childhood Education II—FE125X0 (2 Elective Credits)

This course prepares students to work with children birth to twelve years of age in childcare, preschool, and/or after school programs. Students are encouraged to continue their education at the community college or university. Students receive instruction in childcare pertaining to teaching methods, career development, program planning and management, health and safety issues, entrepreneurship skills, and technology. This course is an excellent opportunity for students who wish to gain experience working in the fields of teacher education, medicine, psychology, or social work. Over 50% of this course is comprised of work-based learning. Students who successfully complete this course and are eighteen years of age will be eligible to apply for the North Carolina Early Childhood Credential (NCECC) through the Division of Child Development. **This course requires a current TB test and a criminal background check. Some cost may be incurred by the student.** *Students have the opportunity to earn Articulated College Credit for EDU 119 Intro to Early Childhood Education if they meet requirements for both Early Childhood I and II.* Proof of insurance is required.

Year Recommended: 11,12 **Schools:** H **Required:** No **Test:** CTE Performance Based Measure **Weighted:** Yes

Prerequisite: FE11 Early Childhood Education I

Food and Nutrition I—FN412X0 (1 Elective Credit)

Honors Food and Nutrition I—FN415X0 (1 Elective Credit)

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. Proof of insurance is required. *Students have the opportunity to earn Articulated College Credit for CUL 112 Nutrition for Food Service at the community college if they complete Food and Nutrition I and II.*

Year Recommended: 9,10,11 **Schools:** H,SC,WC,V **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Only

Prerequisite: None

*Food and Nutrition II—FN422X0 (1 Elective Credit)

*Honors Food and Nutrition II—FN425X0 (1 Elective Credit)

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. Proof of insurance is required. NCDPI recognizes credentials in lieu of the CTE State Assessment for this course. *Students have the opportunity to earn Articulated College Credit for CUL 110 & CUL 110A Sanitation & Safety AND Lab and CUL 112 Nutrition for Food Service at the community college.*

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: FN41 Food and Nutrition I

Culinary Arts and Hospitality I—FH102X0 (1 Elective Credit)

Honors Culinary Arts and Hospitality I FH105X0 (1 Elective Credit)

This course is designed to introduce students to the hospitality and food service industry by learning about components of professional practice and building basic knowledge and skills in food preparation, garde manger, baking, and food service operations. The introduction includes students learning food safety, breakfast cookery, salads and sandwiches, quick breads and cookies, and dining room service. Proof of insurance is required.

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Assessment **Weighted:** Honors Section

Prerequisite: Food and Nutrition II recommended

Culinary Arts and Hospitality II Internship—FH122X0 (1 Elective Credit)

Honors Culinary Arts and Hospitality II Internship—FH125X0 (1 Elective Credit)

This course is designed for students to demonstrate their knowledge and skills in food preparation, garde manger, baking, and foodservice operations through mentored work experiences in the food service industry. The experience includes students preparing and selling a variety of foods while applying safety, sanitation, and guest service skills under the supervision of an industry mentor.

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Performance Based Measure **Weighted:** No

Prerequisite: FH10 Culinary Arts and Hospitality I

***Culinary Arts and Hospitality III—FH132X0 (1 Elective Credit)**

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

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Credential **Weighted:** No

Prerequisite: FH12 Culinary Arts and Hospitality II

Interior Design Fundamentals-FI212X0 (1 Elective Credit)

Honors Interior Design Fundamentals-FI215X0 (1 Elective Credit)

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 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.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: None

***Interior Design Studio-FI222X0 (1 Elective Credit)**

***Honors Interior Design Studio-FI225X0 (1 Elective Credit)**

This course prepares students for entry-level and technical work opportunities in interior design fields. Students deepen their understanding of design fundamentals and theory by designing interior plans to meet residential and commercial needs. Topics include career development, architectural styles, furnishings and textiles, lighting and accessories, laws, public policies, and regulations impacting design, and universal design practices.

Year Recommended: 10,11,12 **Schools:** H,SC **Required:** No **Test:** CTE Performance Based Measure **Weighted:** Honors Section

Prerequisite: F121 Interior Design Fundamentals

***Honors Interior Design Technology—FI235X0 (1 Elective Credit)**

The course prepares students for entry-level and technical work opportunities in interior design. Students apply design skills through Autodesk Revit software to meet clients' needs using components found in residential and commercial spaces. Art and mathematics are reinforced.

Year Recommended: 10,11,12 **Schools:** H,WC **Required:** No **Test:** CTE Credential **Weighted:** Yes

Prerequisite: FI21 Interior Design Fundamentals

HEALTH SCIENCES

Health Science I—HU402X0 (1 Elective Credit)

Honors Health Science I—HU405X0 (1 Elective Credit)

This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. HOSA competitive events serve as instructional strategies that reinforce the curriculum. *Students have the opportunity to earn Articulated College Credit for MED 121 Medical Terminology I AND MED 122 Medical Terminology II at the community college. Proof of insurance is required.*

Year Recommended: 10,11,12 **Schools:** H,SC,WC,V **Required:** No **Test:** CTE State Assessment **Weighted:** Honors Section

Prerequisite: Biology highly recommended as preparation for this course.

Health Science II—HU422X0 (1 Elective Credit)

*Honors Health Science II—HU425X0 (1 Elective Credit)

This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR for the Health Care Provider and first aid training. Work-based learning strategies appropriate for this course include internship, mentorship, service learning, and job shadowing. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply workplace readiness skills through authentic experiences. *Students have the opportunity to earn Articulated College Credit for **HSC 110 Orientation to Health Careers AND HSC 120 CPR OR MED 180 CPR Certification**. See instructor for details. Proof of insurance is required. Need a TB test, Flu vaccine and may need criminal background check.*

Year Recommended: 10,11,12

Schools: H,SC,WC

Required: No

Test: CTE
Performance Based
Measure

Weighted:
Honors Section

Prerequisite: HU40 Health Science I

Honors Nursing Fundamentals—HN435X0 (2 Elective Credits)

This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NAI) curriculum and helps prepare students for the **National Nurse Aide Assessment (NNAAP)**. For this assessment, students must provide driver's license or government issued photo ID and non-laminated social security card. Students who pass the NNAAP become listed on the [NC NAI Registry](#). Work-based learning strategies appropriate for this course include a **required clinical internship in a long-term care agency**. Will need testing for tuberculosis, flu vaccine and/or other diseases and a criminal record check for felonies related to drugs. Proof of insurance is required. ***Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.0318(i)**, which requires the ratio of teacher to nurse aide students be 1:10 or less while in the clinical area. DHSR applies BON Rule to the classroom training area. *Students have the opportunity to earn Articulated College Credit for **NAS 101 Nursing Assistant I** at the community college.*

Year Recommended: 12

Schools: H,SC,WC

Required: No

Test: Credential

Weighted: Yes

Prerequisite: HU42 Health Science II, **Teacher Recommendation, Application and Interview Required for Admission**

TRADE & INDUSTRIAL

Construction Core—IC002X0 (1 Elective Credit)

Introduction course required for any trades course: carpentry or masonry.

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 blueprints, material handling, basic communication skills, and 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. *Students have the opportunity to earn Articulated College Credit for **WOL-110 Basic Construction Skills**. Proof of insurance is required.*

Year Recommended: 9,10,11

Schools: H,SC,WC

Required: No

Test: CTE
Credentials

Weighted: No

Prerequisite: None

Carpentry I—IC212X0 (1 Elective Credit)

This course provides a basic introduction to construction work and the technical aspects of carpentry. This course helps prepare students for industry certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Math is recommended as preparation for this course. *Students have the opportunity to earn Articulated College Credit for **CAR 110 Intro to Carpentry OR WOL 110 Basic Construction Skills OR CST 110 Intro to Construction**. See instructor for details.*

Year Recommended: 10,11,12

Schools: SC,WC

Required: No

Test: CTE
Credentials

Weighted: No

Prerequisite: IC00 Construction Core

***Honors Carpentry II—IC225X0 (1 Elective Credit)**

This course covers additional technical aspects of carpentry with emphasis on development of intermediate skills. The course content includes floor systems, wall and ceiling framing, roof framing, introductions to concrete, reinforcing materials and forms, windows and exterior doors, and basic stair layout. This course helps prepare students for industry certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. *Students have the opportunity to earn Articulated College Credit for **CST 111 Construction I**. See instructor for details.* Proof of insurance is required.

Year Recommended: 10,11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Credentials **Weighted:** Yes
Prerequisite: IC21 Carpentry I

Honors Carpentry III—IC235X0 (1 Elective Credit)

This course develops advanced technical aspects of carpentry with emphasis on development of skills. Course content includes roofing applications, thermal and moisture protection, exterior finishing, cold formed steel framing and drywall installations. This course helps prepare students for industry certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Proof of insurance is required. *Students have the opportunity to earn Articulated College Credit for **CST 112 Construction II**. See instructor for details.*

Year Recommended: 11,12 **Schools:** SC,WC **Required:** No **Test:** CTE Credentials **Weighted:** Yes
Prerequisite: IC22 Carpentry II

Honors Masonry I—IC115X0 (1 Elective Credit)

This course covers basic masonry terminology and develops technical aspects of masonry with emphasis on development of introductory skills. This course introduces the nature of masonry technology, materials and supplies, and employability skills. Topics include safety, layout, tools, leveling, plumbing, use of straight-edge, and jointing brick and block in wall construction. This course helps prepare students for industry certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Proof of insurance is required.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** CTE Credentials **Weighted:** Yes
Prerequisite: IC00 Construction Core

***Masonry II—IC122X0 (1 Elective Credit)**

This course builds on skills mastered in Masonry I and provides advanced masonry skills including measurements, drawing and specifications, mortar, masonry units, and installation techniques. This course helps prepare students for National Center for industry certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. *Students have the opportunity to earn Articulated College Credit for **MAS-110 Masonry I**. Proof of insurance is required.*

Year Recommended: 10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** CTE Credentials **Weighted:** No
Prerequisite: IC11 Masonry I

Honors Masonry III—IC135X0 (1 Elective Credit)

This course develops advanced technical aspects of Masonry with emphasis on development of skills introduced in Masonry II. The course content includes residential plans and drawing interpretation, residential masonry, grout and other reinforcement, and metalwork in masonry. Introductory skills for the Crew Leader are also introduced in this course. This course helps prepare students for industry certification. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. *Students have the opportunity to earn Articulated Credit for **MAS-110 Masonry I**. Proof of insurance is required.*

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** No **Test:** CTE Credentials **Weighted:** Yes
Prerequisite: IC12 Masonry II

CTE Advanced Studies— (1 Elective Credit)

This is a course for seniors that are focused in a career cluster. The four components of the program include a research paper, a product, portfolio and a presentation. Students demonstrate their ability to use content and apply knowledge to real-world situations in a career major. In addition, they will also demonstrate their ability to write, speak, apply knowledge, problem-solve, and use life skills such as time management, planning follow-through, and organization. Students work under the guidance of a teacher in collaboration with community members, business representatives and other school based personnel. **This course can only be taken with teacher permission.**

Year Recommended: 12

Schools: H,SC,WC

Required: No

Weighted: No

Prerequisite: Two credits in the same pathway one of which must be a completer course. **Must have Teacher Permission.**

WORK BASED LEARNING

CTE Internship—(1 Elective Credit)

This course is open to qualified juniors and seniors by submitting an application and teacher recommendations; however, submission of an application does not guarantee placement. The internship program links students with area businesses, industries, agencies and schools to obtain a working knowledge of job opportunities within a particular career interest area. Applicants must be in good standing with regards to grades, attendance, tardies, and discipline. An elective credit is awarded based on Business Sponsor and Career Development Coordinator's evaluations, submission of required journal, attendance at intern meetings, the time sheet and summary presentation. Students must complete 120 hours at the internship site. Students interning at the hospital must have TB skin test, flu shot, any required Covid vaccines or boosters, and immunization records. Students interning at any other medical facility must follow their vaccination requirements. **See your Career Development Coordinator (CDC) for an application. Enrollment by CDC approval ONLY.**

Year Recommended: 11,12

Schools: H,SC,WC

Required: No

Weighted: No

Prerequisite: Related skill courses highly recommended for internship placement, 2.5 GPA (3.0 for Health Science internships)

Pre-Apprenticeship

See your Career Development Coordinator (CDC) for more information.

EXCEPTIONAL CHILDREN

Learning Strategies—96012X0LAB (1 Credit)

Learning Strategies will focus on providing individual assistance for students who are exceptional on regular class assignments and completion of supportive, supplemental assignments. Study skills instruction will be provided to students in order to improve their performance in the general education classes. Instruction in the student's IEP/transition goals will be provided in addition to general education class support.

Year Recommended: 9,10,11,12 **Schools:** H,SC,WC **Required:** No **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement

FUTURE READY OCCUPATIONAL COURSE OF STUDY

The Future Ready Occupational Course of Study (OCS) focuses on post-school employment and independent living. This course of study is designed to provide functional academic skills taught with an adult-outcome emphasis. Students have the opportunity to receive supervised training within the community as well as training in the areas of vocation, daily living skills, leisure activities, and community access.

English I—9210BX0BC (1 Credit)

English I provides a foundational study of literary genres – novels, short stories, poetry, drama, and literary nonfiction. Vocabulary, composition, grammar, and viewing skills are also incorporated in the course.

Year Recommended: 9 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement

English II—9211BX0BC (1 Credit)

English II introduces literary global perspectives focusing on literature from the Americas, Africa, Eastern Europe, Asia, Oceania, and the Middle East.

Year Recommended: 10 **Schools:** H,SC,WC **Required:** Yes **Test:** EOC **Weighted:** No
Prerequisite: IEP Team Placement; English I

English III—9212BX0BC3 (1 Credit)

English III is an in-depth study of United States literature and literary nonfiction focusing in particular on works from the 17th to the 20th century. Students will also study grammar, vocabulary, and viewing skills as they relate to this course.

Year Recommended: 11 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement; English II

English IV—9213BX0BC4 (1 Credit)

In English IV, literature instruction will include recognizing and reading various types of literature from Europe as well as American documents greatly influenced by European philosophy or action. Vocabulary, basic research, composition, speech and viewing skills are also presented.

Year Recommended: 12 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement; English III

Introduction to Mathematics—9220BX0 (1 Credit)

In Introductory Mathematics, students will solve problems using ratios, proportions, percent, mathematical operations with rational numbers, properties of two and three dimensional figures, time and measurement skills, and algebraic properties. Students will understand patterns and relationships, data in graphical displays, measures of center, and range.

Year Recommended: 9 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement

Math I—9225BX0M1B (1 Credit)

NC Math 1 provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics, and modeling. Concepts include expressions in the real number system, equations, inequalities, functions, geometric properties, and categorical and quantitative data.

Year Recommended: 10 **Schools:** H,SC,WC **Required:** Yes **Test:** EOC **Weighted:** No
Prerequisite: IEP Team Placement; Introduction to Mathematics

Financial Management—9222BX0FM (1 Credit)

Financial Management emphasizes personal financial planning, understanding income taxes, wages, credit, insurance, and applying math skills to consumer spending.

Year Recommended: 11, 12 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement; Math I

Applied Science—9231BX0BC (1 Credit)

In this course, students will learn about force and motion, energy, electricity and magnetism, properties of matter, properties, uses, and dangers of chemicals, the environment, and human body systems. Students will have hands-on opportunities to learn the curriculum.

Year Recommended: 9,10,11 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement

Biology—9232BX0OB (1 Credit)

The study of biology provides an opportunity for students to gain understanding of the fundamental principles of living things. Major topics of study include scientific background, the nature of life, the continuity of life, microbiology, genetics, plants, animals, and ecology. Lab investigations will accompany each area of study.

Year Recommended: 10,11 **Schools:** H,SC,WC **Required:** Yes **Test:** EOC **Weighted:** No
Prerequisite: IEP Team Placement; Applied Science

American History: The Founding Principles of United States of America and North Carolina: Civic Literacy—9250BXO (1 Credit)

This course focuses on the development of knowledge and skills needed by all students to become responsible citizens. Students will investigate the historical foundations of the American legal and political systems, the basic values and principles of American democracy, and the structure of legal and governmental systems.

Year Recommended: 10,11, 12 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement

Economics and Personal Finance— 9344AX0EPF (1 Credit)

The North Carolina Department of Public Instruction (NCDPI) and the State Board of Education(SBE) supports the development of students who understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students should be provided with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement

Occupational Preparation I—9240BX0 (1 Credit)

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 work ethic development, job seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school and/or work-based enterprises, hands-on vocational training, and the operation of small businesses. The hours earned in this course will apply to the 150 school based work hour requirement for the Future Ready Occupational Course of Study diploma. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

Year Recommended: 9,10 **Schools:** H,SC,WC **Required:** Yes **Test:** Meet IEP **Weighted:** No
Prerequisite: IEP Team Placement **Goals**

Occupational Preparation II—9241BX0BCF (Fall); 9241BX0BCS (Spring) (1 Credit)

This year long course emphasizes the development of 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 activities to include on-campus jobs and work-based learning activities. Job-seeking skills will be refined. The hours earned in this course will complete the 150 school based work hour requirement for the Future Ready Occupational Course of Study diploma.

Year Recommended: 9,10,11 **Schools:** H,SC,WC **Required:** Yes **Test:** Meet IEP **Weighted:** No Goals
Prerequisite: IEP Team Placement; Occupational Preparation I

Occupational Preparation III—9242BX0BCF (Fall); 9242BX0BCS (Spring) (1 Credit)

This course is designed to allow students to continue the development of 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. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership development and self-determination are provided. This course will pair with Career Training to allow students maximum opportunities to apply skills within the community. The hours earned in this pairing will complete the 225 hours of community-based work requirement for the Future Ready Occupational Course of Study diploma.

Year Recommended: 10,11 **Schools:** H,SC,WC **Required:** Yes **Test:** Meet IEP **Weighted:** No Goals
Prerequisite: IEP Team Placement; Occupational Preparation II

Occupational Preparation IV—9243BX0BCF (Fall); 9243BX0BCS (Spring) (1 Credit)

This course gives students the opportunity to synthesize all the skills acquired in previous Occupational Preparation courses and determine their applicability to their personal career choice. This course will allow students to solve work-related problems experienced in competitive employment, practice self-advocacy and master the theoretical and practical aspects of their career choice. This course will pair with Career Training to allow students maximum opportunities to apply skills within the community. Students will complete the 225 hours of integrated paid employment in a community setting which is required for successful completion of the Future Ready Occupational Course of Study. Students will also develop a career portfolio that provides an educational and vocational record of their high school experience.

Year Recommended: 12 **Schools:** H,SC,WC **Required:** Yes **Test:** Meet IEP **Weighted:** No Goals
Prerequisite: IEP Team Placement; Occupational Preparation III

Career Training I— 9240BX0C1 (1 Credit)
Career Training II— 9241BX0C2 (1 Credit)
Career Training III— 9242BX0C3 (1 Credit)
Career Training IV— 9243BX0C4 (1 Credit)

These courses are designed to allow students to continue the development of and begin the application of skills learned in Occupational Preparation III and IV in the community setting. Work-based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership development and self-determination are provided. This course will pair with Occupational Prep III/IV to allow students maximum opportunities to apply skills within the community. The hours earned in this pairing will complete the 225 community-based work hours for Occupational Prep III and 225 paid employment hours for Occupational Prep IV requirements for the Future Ready Occupational Course of Study diploma.

Year Recommended: 11,12 **Schools:** H,SC,WC **Required:** Yes **Test:** Meet IEP **Weighted:** No Goals
Prerequisite: IEP Team Placement