

Caldwell County Schools



**High School
Curriculum Guide**

**Caldwell County Schools
High School Curriculum Guide
Table of Contents**

Section 1	Pages
North Carolina Course of Study Caldwell County Schools Graduation Requirements	3
Suggested Course Sequence	4
Math Planning and NC Math Options Chart	6
Course Selection Process and Schedule Changes	7
Credit by Demonstrated Mastery	8
District Promotion Standards	8
Athletic Participation Requirements	8
Weighted Grade Policy	8
Scholars Programs and Recognition at Graduation	9
High School Course Description (Example)	11
Comprehensive High Schools (HHS, SCHS, WCHS)	12
Innovative and Online High Schools (CASA, CECHS, COA)	15
Section 2	
High School Course Guide (by department)	20
Future Ready Occupational Course Guide	71
Section 3	
Advanced Placement (AP Courses)	75
North Carolina Career Clusters	76
Career and College Promise - Caldwell Community College and Technical Institute	78
College Transfer Pathways	82
Career and Technical Certificates and Diplomas	86

North Carolina Course 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, 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 1, and Financial Management (FROCS)
Science	3 Credits: Earth/Environmental Science, Biology, and a physical science course (Physical Science, Chemistry, or Physics)	2 Credits: Applied Science and Biology (FROCS)
Social Studies	4 Credits: World History Founding Principles of the United States of America and North Carolina: Civic Literacy (FPUSNCCL) American History Economics and Personal Finance	2 Credits: FPUSNCCL (Civic Literacy) (FROCS) Economics and Personal Finance
Health & PE	1 Credit: To include the successful completion of CPR instruction.	1 Credit To include the successful completion of CPR.
Other Electives	11 credits required: 2 credits any combination from: Career and Technical Education (CTE) Arts Education World Languages 4 credits strongly recommended (2-4 course concentration) from one of the following: 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
UNC Admissions	Not required for graduation but is REQUIRED for UNC Admissions - Two additional academic courses from English, mathematics, science, social studies, world languages, or computer science. (These courses should be selected in alignment with a student's academic and career objectives. Completion of two sequential World language courses is recommended.)	None
Total Credits	28 Credits	22 Credits

Future Ready Core - Recommended Course Sequence

Subject	9th	10th	11th	12th
English (5 credits)	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 (4 credits)	Foundations of NC Math 1 & NC Math 1 OR	Foundations of NC Math 2 & NC Math 2 OR	NC Math 3 (Honors NC Math 3) OR	Fourth Math OR
*See pg 6 of guide for detailed list.	NC Math 1 (Honors NC Math 1) OR	NC Math 2 (Honors NC Math 2) 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 CTE Math Options	
	NC Math 1 & NC Math 2 (Honors NC Math 1 & NC Honors Math 2) OR	NC Math 3 (Honors NC Math 3) OR		
	NC Math 2 OR	NC Math 3 (Honors NC Math 3) & a fourth Math OR		
	NC Math 2 & NC Math 3 (Honors NC Math 2 & Honors NC Math 3)	Fourth Math		
Science (3 credits)	Earth Science OR Honors Earth Science OR AP Environmental Science	Physical Science OR Honors Biology OR AP Biology Prep AND AP Biology	Biology OR Honors Biology OR Chemistry OR Honors Chemistry	
Social Studies (4 credits)	World History OR Honors World History OR AP World History	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 (1 credits)	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 - Recommended Course Sequence

Subject	9th	10th	11th	12th
English	English I	English II	English III	English IV
Math	Introduction to Mathematics	Math 1	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 grade or 10th grade)		Economics and Personal Finance (Taken in 12th grade)
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 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 AP 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 263 (Brief Calculus) MAT 271 (Calculus I)

Students planning to attend a community college or technical school		
Core Mathematics Courses	NC Math 1 NC Math 2 NC Math 3	
Accepted Fourth Math Courses as the 4th math requirement		
High School Courses	Application-Based CTE Courses	Community College Courses
Foundations of Math 1 Foundations of Math 2 CCRG Math NC Math 4 Discrete Math for Computer Science AP Pre-Calculus AP Calculus AB AP Calculus BC AP Statistics AP Computer Science A AP Computer Science Principles	BA10 Accounting I FA31 Apparel I IC21 Carpentry I BM20 Microsoft Excel FH10 Culinary Arts and Hospitality 1	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 & IC12 Masonry II IC22 Carpentry II & IC23 Carpentry III FI21 Interior Design Fundamentals & 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, 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 school year.*
- If planned appropriately, students can meet all graduation requirements and graduate from high school a semester early. 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 core 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. Any student wishing to make a revision in his or her schedule must do so within the 10 day drop/add period. A request for a 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’s 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 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 upon the successful completion of **eighth grade**
- 10th grade upon the successful completion of **6 units** of credit
- 11th grade upon the successful completion of **13 units** of credit
- 12th grade upon the 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. Made 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 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](#) and [Comprehensive Articulation Agreement](#).

***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

High School courses (taken during 9th grade year or higher), eligible for weight fall into one of the following categories:

- Honor sections of standard, academic and Career Technical Education (CTE) courses
- Pre-calculus, Calculus, and 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 and Career Promise.
- Courses taught at 4-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 9 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 a 2.6 unweighted GPA or higher by the end of the 3rd 9 weeks
- Earn at least one industry-recognized credential at the silver level or above, and
- 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 a 2.6 unweighted GPA or higher by the end of the 3rd 9 weeks, and
- 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, 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 a 2.5 weighted GPA or higher by the end of the 3rd 9 weeks, and
- 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, and
- 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 earn an overall all **four-year unweighted GPA of 3.500 or higher by the end of the 3rd 9 weeks.**
- Students have to complete all 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 3 as a prerequisite
3	Science - Physics or Chemistry, Biology and Earth/Environmental Science
4	Social Studies - World History, FPUSNCCL (Civic Literacy), American History, and Economics and Personal Finance
1	Health and Physical Education
2	World Language Credits - other than English
4	Elective Credits - <i>constituting a concentration recommended from one of the following: CTE, JROTC, Arts Education, World Languages, or any other subject area</i>
3	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

President’s Education Awards Program:

- Earn 3.5 unweighted GPA on a 4.0 scale through the fall semester of the senior year
- Score 85th percentile on either the verbal or math portion of SAT 1 or subject test or composite ACT score, and
- 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 level accompanying each description represents 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 – 33202XoGB (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, CO (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.

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

HIBRITEN HIGH SCHOOL

1350 Panther Trail
Lenoir, NC
828 - 758 - 7376
Principal: Courtney Wright

Respectful. Responsible. Resilient.

Enrollment: Approx. 810

\$1.4 Million in Scholarships Awarded in 2023

**Approximately 5 Seniors Earning Associates
Degrees in 2024 at HHS**

AP Courses

- 9+ Advanced Placement Courses

Honors Courses

- 50+ Honors Courses

Elective Courses

- 20+ Additional Electives

CTE Courses

- **NEW!** Animal Science
- 20+ CTE Course Offerings

Arts

- Theatre
- AP Studio Art
- Band and Chorus
- Spanish and German (+AP German)

CCP/College Courses

- 14+ Courses Taught on Campus

Clubs

- 50+ Clubs and Teams



Follow Us

<https://www.caldwellschools.com/hhs>
<https://www.facebook.com/hibritenhighschool>
https://instagram.com/hibriten_panthers

HHS Sports

2017 Football State Champions
2020 Men's Soccer State Finalists
2022 Women's Basketball NWC Conference Champs
2023 Volleyball County Champions
2023 Football County Champions
2023 Men's Soccer Conference Champions
2023 Men's Soccer County Champions
****22 Straight Playoff Season Runs****
2023 Women's Golf State Runner Up
2023 Women's Golf Western Regional Champions



SOUTH CALDWELL HIGH SCHOOL

7035 SPARTAN DRIVE, HUDSON, NC 28638 | (828) 396-2188

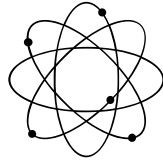
SCHS Mission:

South Caldwell High School will empower students with the skills necessary to become responsible citizens who achieve academic, social, and professional success.

$$\frac{x}{a} + \frac{y}{b} = 1$$

ACADEMIC SUCCESS

- 67+ Honors Courses in academics and electives
- 20 Advanced Placement Courses
- 28% of juniors & seniors earned college credit in CCP Courses in the 2022-2023 school year
- Almost \$7.3 million in scholarships awarded in 2023



SPARTAN SUPERIORITY
IN ARTS, ACADEMICS,
AND ATHLETICS



CAREER & TECHNICAL EDUCATION

With 19 CTE class offerings (i.e. Marketing, Horticulture, Masonry, Graphic Design, Apparel, Foods & more), students have the opportunity to compete at local, state and national levels.



EXTRA CURRICULARS & CLUBS

South Caldwell offers students almost 40 clubs & extra curricular activities.



ATHLETICS
South Caldwell offers 16 sports and teams.
State Champions
1982 4A Baseball
2004 4A Cheerleading
2007 4A Baseball
2015 4A Cheerleading
2019 4A Softball
2023 4A Cheerleading



West Caldwell High School



828.758.5583 | 300 West Caldwell Drive, Lenoir NC

Our mission, in cooperation with parents and the community, is to provide students a safe environment and with learning experiences that equip them with leadership, responsibility, and critical thinking skills necessary to be productive members of society.



WCHS opened in 1977
690 current student enrollment
80 staff members
20% of WCHS staff are WCHS graduates

#onewarrior



WCHS NJROTC
2023 American Legion Color Guard National Champions

Academic Programs

Honor classes for all Core Academic Courses
8 Advanced Placement Courses
CTE classes including Animal Science I and II
CCP classes offered in Highway Room and in WCHS classrooms
Courses taught by NCSSM
Chorus, Band, Theater, Art, and NJROTC programs

Sports, Clubs, Extracurricular Programs

20 student clubs
Student Ambassadors
17 sports and teams over 3 seasons
BETA competition team
DECA competition team
FFA/Livestock Showing team
Masonry Competition team
Choral & Band audition and competition opportunities

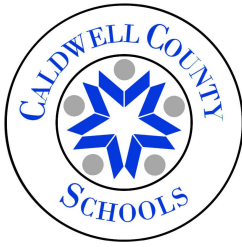
WE ARE WEST CALDWELL

A comprehensive high school offering all levels of academic courses, men and women's sport programs, chorus, band, theatre, clubs, community service projects, and academic and CTE competition teams.

Class of 2023

170 graduates
10% joined the military
20% attended 4 year college
49% attended 2 year college
\$2.1 million in scholarships awarded
732 college credit hours earned in HS





Caldwell Applied Sciences Academy

2875 Hickory Boulevard SW
Hudson, NC 28638



Principal: Chris Greene
Counselor: Tammy Beck

Phone: (828) 759-4660 **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, 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 post-secondary 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 Degree	Certificates	College Credits towards the following	
<ul style="list-style-type: none"> • Associate of Science • Associate of Arts 2-year Transfer Degree 	<ul style="list-style-type: none"> • Nurse Aide I • Medication Aide • Emergency Management • BioPharma • Medical Office Assistant 	<ul style="list-style-type: none"> • Practical Nursing Diploma • Medical Sonography • Medical Assisting • Nuclear Medicine Technology 	<ul style="list-style-type: none"> • 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. It 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:

Associate Degree	Certificates
<ul style="list-style-type: none"> ● Mechatronics (Associates in Applied Science Degree) 	<ul style="list-style-type: none"> ● Mechatronics

Careers in mechatronics include:	Other available program areas include:
<ul style="list-style-type: none"> ● Robotics Engineer/Technician ● Automation Engineer ● Control System Design Engineer ● Electronic/Mechanical Design Engineer 	<ul style="list-style-type: none"> ● Welding technology ● Mechanical Engineering Technology ● Electrical Systems Technology

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

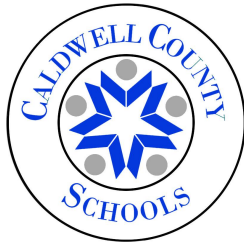
“Where students are encouraged to become producers of content rather than just consumers of content”

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:

Associate Degree	Certificates
<ul style="list-style-type: none"> ● Digital Media & Mobile Application Development (Associates in Applied Science Degree) ● Networking & Cyber Security (AAS) ● Computer Programing & Development (AAS) 	<ul style="list-style-type: none"> ● Digital Media ● Mobile Application Development ● Cyber Security & Networking ● Computer Programing

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.





Caldwell Early College High School
2859 Hickory Boulevard
Hudson, NC 28638



Principal: Meredith Griffin - mgriffin@caldwellschools.com
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 a 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 9 week grading; 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 is met by completion of CCC&TI MAT 171, MAT 152, or MAT 143.
Science	Honors Earth/ Environmental Science	Honors Chemistry	Biology requirement is met by completion of CCC&TI BIO 111 and BIO 112.	
Social Studies* *Course Sequence	Honors American History	Honors Founding Principles of the USA & NC: Civic Literacy	Honors World History	Honors Economics and Personal Finance (EPF)
Second Language	Spanish I	Spanish II		
Electives - 1 credit	Seminar - 9, 10, 11, 12, 13*	Other electives are fulfilled 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 in 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 “I'm 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.

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

2024-2025

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. Seniors will graduate with an NC high school diploma from COA.

COURSE LEVELS AVAILABLE: Academic, Honors, Advanced Placement (AP), and Career & College Promise.

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.
- For students receiving Exceptional Children's services, the IEP team must meet to determine the appropriateness of remote instruction and services.
- 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.

PROSPECTIVE COA STUDENTS ONLY **Students can apply to enter at any grade level.**

- ❖ **The application window for the Caldwell Online Academy 2024-2025 school year will run from Dec. 15, 2023 through March 15, 2024. Waitlist status begins on March 16, 2024.**
- ❖ The application will be available on the COA school website (www.caldwellschools.com/domain/605).
- ❖ A parent/guardian with legal custody of the student must complete the online COA application for an interested student by 3/15/24. **Students are not permitted to apply for themselves.**
- ❖ Students/families will be notified of acceptance decisions by April 15, 2024. Families must then send back their RSVP confirmation of the Caldwell Online placement by April 30, 2024.
- ❖ Please complete the [COA Director's Contact form](https://tinyurl.com/4yjkh2zd) (<https://tinyurl.com/4yjkh2zd>) to request more information and/or be notified of date/time for the early February 2024-25 COA information session that will be held at the Education Center.

For the 2024-25 high school registration process (in early spring 2024)....

- ★ Current COA students will register for classes with their COA counselor/principal in an individual meeting (virtual or in person).
- ★ Prospective COA students should look for courses marked with a (CO) for a virtual offering in the course descriptions in this guide. *This is a helpful suggestion, not a requirement.* All newly accepted COA students will undergo a schedule review and adjustment, if needed.
- ★ CCC&TI Career & College Promise (CCP) classes, North Carolina Virtual Public School (NCVPS) classes, and/or North Carolina School of Science and Math (NCSSM) classes are all possible course options for qualifying COA students.
- ★ High school students can have a partial online/partial in-person schedule if both principals agree and the appropriate combination of classes permits this arrangement. Families should complete the COA application for their student to be considered for this option.

QUESTIONS: Contact Julie Hall, Caldwell Online Principal, at juhall@caldwellschools.com or (828) 726-3855.

ENGLISH (5 credits required)

English courses are listed as they are normally sequenced.

Communication Skills--10252XoCSF (1 English Credit)

Communication Skills develop 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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Communication Skills Honors--10255XoCHS (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.

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

Prerequisite: A/B in language arts OR teacher recommendation.

English I--10212XoSR (1 English Credit)

English 1 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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

English I Honors--10215XoSH (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.

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

Prerequisite: A/B in language arts, Communication Skills, OR teacher recommendation.

English II--10222XoRE (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, CO **Required:** Yes **Test:** State **Weighted:** No

Prerequisite: English I

English II Honors--10225XoHE (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.

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

Prerequisite: A/B in Honors English I OR teacher recommendation.

English III--10232XoRE (1 English Credit)

English III is an in-depth study of United States literature and literary notification focusing in particular on works from the 17th to the 20th century. Students will also study grammar, vocabulary, and reviewing skills as they relate to this course.

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

Prerequisite: English II

English III Honors--10235XoHE (1 English Credit)

Students in English III honors will analyze United States literature and literary 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, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in Honors English II OR teacher recommendation.

Advanced Placement English Language and Composition--1A007XoAP (1 English Credit- can replace English III)

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 nonfiction 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-comprehension>. Summer reading may be required.

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

Prerequisite: A/B in previous Honors English OR instructor approval.

English IV--10242XoRE (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 all so 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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: English III

English IV Honors--10245XoHE (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 text. 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.

Year Recommended: 12 **Schools:** CASA, H, SC, WC, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in Honors English III OR teacher recommendation.

AP English Literature and Composition--1A017XoAP (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 for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-english-language-and-comprehension>. Summer reading may be required.

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

Prerequisite: A/B in previous honors or AP 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, broadcast, 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 the 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 plans.**

Year Recommended: 11 **Schools:** SC **Required:** No **Test:** AP Exam & Digital Portfolio **Weighted:** Yes

Prerequisite: A/B in previous honors English course OR instructor approval.

AP Research--(Capstone Program)

AP research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. **The course culminates in an academic paper of 4,000 to 5,000 words accompanied by a performance, exhibit, or product where applicable and a presentation with an oral defense.**

Year Recommended: 11, 12 **Schools:** SC **Required:** No **Test:** Paper & Presentation **Weighted:** Yes

Prerequisite: A/B in previous honors English course OR instructor approval.

Creative Writing I--10252XoCW (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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Creative Writing II--10252XoCW2 (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--10252XoM (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--10185XoHCD (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--96105XoSAT (1 Elective Credit)

This college preparation course is designed to improve students' performance on the verbal, writing, and math portions of the SAT or ACT test. 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 the 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--10312XoFP (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:** H, SC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Approval by instructor

Publications II--10322XoSP (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:** H, SC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Publications I and approval by instructor

Yearbook Production--10312Xo (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, 3 weeks prior to registration. Applications may be obtained from the guidance department. This course may be repeated for credit. Students typically take the course in both the first and second semester.

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

Prerequisite: Application/teacher approval

Exploring Southern Literature--T10252XoSL (1 Elective Credit)

This course is designed to immerse students in the rich and diverse literary tradition of the American South. Through the exploration of novels, short stories, poems, and essays, students will gain a deeper understanding of the cultural, historical and social complexities that define the American South. By examining the works of both classic and contemporary Southern writers, students will engage in critical discussions and develop analytical skills while also appreciating the unique voices and narratives that have emerged from this region.

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

Prerequisite: English 1

The Bible in History and Literature—48002XoBHL (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--10382Xo (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

For Dual Credit/CCP options in English, please see the dual credit link/chart on page 8.

Mathematics (4 credits required)

Math courses are listed as they are normally sequenced.

Foundations of NC Math 1--20902XoFM1 (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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

NC Math 1 End--21092XoM1E (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:** CASA, CEC, G, H, WC **Required:** Yes **Test:** State **Weighted:** No

Prerequisite: Foundations of NC Math 1

NC Math 1 --21092XoM1 (1 Math Credit)

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

Year Recommended: 9, 10 **Schools:** All **Required:** Yes **Test:** State **Weighted:** No

Prerequisite: N/A

Honors NC Math 1 --21095XoM1H (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 regular class. Topics beyond the scope of a traditional NC Math 1 course will be studied.

Year Recommended: 9 **Schools:** All **Required:** Yes **Test:** State **Weighted:** Yes

Prerequisite: A in 8th grade math

Foundations of NC Math 2--20912XoFM2 (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 **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Math 1 or Math 1 End

NC Math 2 --22092XoM2 (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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: NC Math 1 or NC Math 1 End

Honors NC Math 2 --22095XoM2H (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, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in NC Math 1

NC Math 3 --23092XoM3 (1 Math Credit)

NC Math 3 progresses from the standards learned in NC Math 1 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, CO **Required:** Yes **Test:** State **Weighted:** No

Prerequisite: NC Math 2 or NC Math 2 End

Honors NC Math 3 --23095XoM3H (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, CO **Required:** Yes **Test:** State **Weighted:** Yes

Prerequisite: A/B in NC Math 2 or permission from department chair

NC Math 4 --24092Xo (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, CO **Required:** Possible 4th math course **Test:** Local **Weighted:** No

Prerequisite: NC Math 3

NC Math 4 Honors --24095Xo (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, CO **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 -- 24015Xo (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:** Possible 4th math **Test:** Local **Weighted:** Yes

Prerequisite: NC Math 3

AP Statistics -- 2A037XoAP (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 for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-statistics>.

Year Recommended: 10,11, 12 **Schools:** H, SC, WC, CO **Required:** Possible 4th math course **Test:** AP Exam **Weighted:** Yes

Prerequisite: A/B in NC Math 3h, previous AP math course, or dept chair permission

AP Pre-Calculus -- 2A047Xo (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: 10, 11, 12 **Schools:** H, SC, WC **Required:** Possible 4th math course **Test:** AP Exam **Weighted:** Yes

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

Calculus AP Prep -- 28005XoCP (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:** WC **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: AP Pre-Calculus

AP Calculus AB -- 2A007XoAB (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:** SC, WC, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

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

AP Computer Science Principles -- 0A027XoAP (1 Math 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 from 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:** SC, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: NC Math 2

AP Computer Science A -- 2A027XoAP (1 Math 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, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

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

MAT 152 Statistical Methods I -- (1 Math 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 will 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, CO **Required:** No **Test:** Local **Weighted:** Yes

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

MAT 171 Precalculus Algebra -- (1 Math 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, CO **Required:** No **Test:** Local **Weighted:** Yes

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

MAT 172 Precalculus Trigonometry -- (1 Math 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, CO **Required:** No **Test:** Local **Weighted:** Yes

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

MAT 271 Calculus I -- (1 Math 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, CO **Required:** No **Test:** Local **Weighted:** Yes

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

MAT 272 Calculus II -- (1 Math 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, CO **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--35102XoSE (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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors Earth Science--35105XoSH (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, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in a previous science course or department chair permission

Physical Science--34102XoPS (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, CO **Required:** Possible Physical Credit **Test:** Local **Weighted:** No

Prerequisite: NC Math 1

Biology--33202XoGB (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, CO **Required:** Yes **Test:** State **Weighted:** No

Prerequisite: N/A

Honors Biology--33205XoBH (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, CO **Required:** Yes **Test:** State **Weighted:** Yes

Prerequisite: A/B in most recent honors science course, A in Honors Earth Science

Chemistry--34202XoC (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 gasses. "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, CO **Required:** Possible Physical Credit **Test:** Local **Weighted:** No

Prerequisite: NC Math 1

Honors Chemistry--34205XoCH (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 gasses. "Hands-on, minds-on" activities show students how they are surrounded by chemistry and how chemistry applies to their daily lives. 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, CO **Required:** Possible Physical Credit **Test:** Local **Weighted:** Yes

Prerequisite: NC Math 2 (A/B), A/B in previous honors science course, or department chair approval

Honors Physics--34305XoPH (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, CO **Required:** Possible Physical Credit **Test:** Local **Weighted:** Yes

Prerequisite: NC Math 2

AP Physics--3A007Xo (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: kinetics, 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--30205XoFB (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 --3A007XoAP (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 for 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, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: Biology AP Prep (A, B, C)

Chemistry AP Preparation --30205XoFC (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 --3A017XoAPC (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 for more information about this course - <https://apstudent.collegeboard.org/apcourse/ap-chemistry>. Summer reading may be required.

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

Prerequisite: Chemistry AP Prep (A, B, C)

AP Environmental Science --3A027XoAP (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, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

Prerequisite: N/A

Anatomy and Physiology --33302XoAP (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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors Anatomy and Physiology --33305XoAH (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, CO **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: A/B in Biology or department chair permission

Astronomy --35402XoA (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

Honors Astronomy --35405Xo (1 Science Credit)

This course is a rigorous and in-depth study of an overall view of the universe from ancient to modern times. Topics to be covered include modern methods of observational astronomy, an overview of the scientific method, age and origin of the universe and solar system, descriptions of the planets, galaxies and universe. 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 --30202XoFS (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 department chair permission

Honors Forensic Science --30205XoFH (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 department chair permission

Honors Biotechnology --30205XoBH (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 department chair permission

Pre-Engineering and Design --30202XoPE (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 --30205XoPE (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 1

BIO 111 General Biology I (1 Science 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, CO **Required:** No **Test:** Local **Weighted:** Yes

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

BIO 112 General Biology II (1 Science 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, CO **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--43032XoWH (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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors World History--43035XoWHH (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, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: Level IV on 8th Grade EOG

AP World History Modern--4A097XoAP (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, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

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

Founding Principles of the United States of America and North Carolina: Civic Literacy--43182XoFP (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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors Founding Principles of the United States of America and North Carolina: Civic Literacy--43185XoFP (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 ,H, SC, WC, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in previous social studies course

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 from 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, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

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

American History--43112XoAH (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, CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors American History--43115Xo (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. Studying the same content and aspects as American History, this course will provide a more rigorous and in-depth study of American History through the present. The challenging nature of this course will require students to take a greater responsibility for their learning.

Year Recommended: 11 **Schools:** CASA, CEC, H, SC, WC, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in previous social studies course

AP United States History Preparation--48005XoAPP (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:** SC,WC **Required:** Yes w/ AP US History **Test:** Local **Weighted:** Yes

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

AP United States History -- 4A077XoAP (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:** SC,WC, CO **Required:** Yes w/ AP US History Prep **Test:** AP Exam **Weighted:** Yes

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

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

This course is a survey of American history from prehistory 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. **Students 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, CO **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. **Students 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, CO **Required:** No **Test:** Local **Weighted:** Yes

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

Economics and Personal Finance -- 43192Xo (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 -- 43195Xo (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:** CASA, CEC, H, SC, WC, CO **Required:** Yes **Test:** Local **Weighted:** Yes

Prerequisite: A/B in previous social studies course

AP Human Geography -- 4A027XoAP (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 from 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, CO **Required:** No **Test:** AP Exam **Weighted:** Yes

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

Psychology -- 44032XoFR (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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Honors Psychology -- 44035XoSH (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, CO **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: N/A

AP Psychology -- 4A057XoAP (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, CO **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-- 48002XoCJ (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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: No

Honors Turning Points in American History -- 43095XoH (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-- 48005XoCAH (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: Honors Founding Principles of the United States of America and NC: Civic Literacy

Honors Asian Studies-- 48005XoHAS (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-- 48005XoMES (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 and teacher recommendation

Honors International Conflicts-- 48005XoICH (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: Honors Asian Studies or Honors Middle Eastern Studies and teacher recommendation

World Languages

German I--11612XoG1 (1 Credit)

German I incorporates 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 **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

German II--11622XoG2 (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. German culture is presented throughout the semester.

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

Prerequisite: German I

German III--11635XoG3 (1 Credit)

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

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

Prerequisite: A/B in German II

AP German Language and Culture--1A047Xo (1 Credit)

The AP German Language and Culture course emphasizes communication by applying interpersonal, interpretive and presentational skills in real-life situations. The course is taught almost exclusively in German with more emphasis on communication and not an over emphasis on grammar. The course engages students in an exploration of culture in both contemporary and historical contexts.

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

Prerequisite: A/B in German III Honors

Spanish I--11412XoS1 (1 Credit)

Spanish I incorporates 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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Spanish II--11422XoS2 (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. Spanish speaking culture is presented throughout the semester.

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

Prerequisite: Spanish 1

Spanish III--11435XoS3 (1 Credit)

The emphasis of this course is on advanced performance in speaking, listening, reading, and writing. Considerable emphasis is placed on speaking. Spanish 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, CO **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: A/B in Spanish II

Spanish IV--11445XoS4 (1 Credit)

The emphasis of this course is on advanced performance in speaking, listening, reading, and writing. Considerable emphasis is placed on speaking. Spanish 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, CO **Required:** No **Test:** Local **Weighted:** Yes

Prerequisite: A/B in Spanish III

Arts

Beginning Art I--54152XOA1 (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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Intermediate Art II--54162XOA2 (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--54175XOFH3 (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--54185XOSH4 (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--54612XODP (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 I

AP Studio Art--5A047XoAPD (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

AP Art History--5A007XoAH (1 Credit)

AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis. Students will engage with art history content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. College Course Equivalent AP Art History is the equivalent of a two-semester introductory college or university art history survey course.

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

Prerequisite: N/A

Concert Band--52552XoSR (Beginning); 52562XoCB (Intermediate); 52575XoCBP (Proficient); 52585XoCBA (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--52552XoSBS (Beginning); 52562XoSBS (Intermediate); 52575XoSBS (Proficient); 52585XoSBS (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--52552XoF (Beginning); 52562XoF (Intermediate); 52575Xo3MB (Proficient); 52585Xo4MB (Advanced) (1 Credit)

This course consists of instruction in instrumental music and marching. Performance in 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--52575XoG (Proficient); 52585XoG (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:** H, SC **Required:** No **Test:** Local **Weighted:** Yes

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

Honors Music Theory--52185XoHMT (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--52185XoHMT (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>.

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--52302XoFR (Beginning), 52312XoFA (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.

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

Prerequisite: N/A

Chorus II--52302XoSR (Beginning), 52312XoSA (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.

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

Concert Choir--52302XoCC (Beginning), 52312XoCCI (Intermediate); 52315XoCCP (Proficient); (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 audition and/or teacher recommendation

Honors Ensemble Proficient--52185XoHEP (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--52195XoHEA (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 Theater Arts--53152X0 (1 Credit)

Beginning Theater Arts focuses on vocal and physical communication, theater through history, styles of theater, experience in acting, and reading and writing related to theater 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, CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: N/A

Intermediate Theater Arts--53162X0A2 (1 Credit)

Intermediate Theatre Arts is for students who wish to continue their exploration of theater arts. It is a more detailed study of theater vocabulary, reading and writing of theater literature, acting, and technical theater. The acting experience in Intermediate Theater 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 Theater Arts--53175X0F3 (1 Credit)

Proficient Theater Arts is an advanced continuation of Beginning and Intermediate Theater Arts. This course involves additional in-depth application of theater 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 theater 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 Theater Arts--53185X0F4 (1 Credit)

Advanced Theater Arts is an advanced continuation of Proficient Theater 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 theater arts. 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/or 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:** SC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Teacher approval and parent/guardian consent

Beginning Musical Theater--53612XoBMT, Intermediate Musical Theater--53612XoMT (1 Credit)

Musical Theater 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

Theater Arts Electives-- (1 Credit)

Students interested in continuing their Theater Arts education may select a theater arts elective course. Elective theater 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--10312XoVP (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/or teacher recommendation

Media Center Research & Technology--96102XoMRA (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 online catalog system, research utilizing online resources, and the use of special reference materials. Completion of projects or other assigned activities such as video production techniques may be required in the course.

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

Prerequisite: Application and/or approval of media coordinator

Service and Support

Community Action Projects--99359XoCA (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:** SC, WC **Required:** No **Test:** Local **Weighted:** No

Prerequisite: Permission from school administrator

CIS/CASEE I--9610XoC1F (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--96102XoC2S (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) and 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, Teacher Recommendations, and possible application

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

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

Prerequisite: Successful completion of Teacher Cadet I Honors and Teacher Recommendation

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--60492XoHPE(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,CO **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: N/A

Personal Fitness--60602XoPE (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 --60602XoLE (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,CO **Required:** No **Test:** Local **Weighted:** No

Prerequisite: C or better in previous PE course(s)

Strength and Flexibility Training --60602XoSE (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 --60602XoAE (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 --60602XoFS (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); Department chair permission

Spring Sports --60602XoSS (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); Department chair permission

Honors Exercise and Sports Science --60395XoHSS (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. 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. The course is available in both first and second semester. 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 --60602XoFMO (1 Credit)

This class is for any Junior or Senior who is interested in learning how to maintain athletic fields (using handheld tools and appropriate materials) 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 Sciences I--95012XoNS1(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, CO **Required:** No **Test:** Local **Weighted:** No
Prerequisite: N/A

Naval Science II--95022XoNS2 (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--95025XoNS2 (1 Credit)

Students selected for NS II 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--95032XoNS3 (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--95035XoNS3 (1 Credit)

Students selected for NS III 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--95042XoNS4 (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--95045XoNS4 (1 Credit)

Students selected for NS IV 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--95052XoNCC (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:** Yes

Prerequisite: Naval Science III and discretion of instructor

Naval Leadership Laboratory I--99359XoNL1 (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:** Yes

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

Naval Leadership Laboratory II--99359XoNL2 (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:** Yes

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

Naval Leadership Laboratory III--99359XoNL3 (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:** Yes

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

*Denotes a Concentrator Course

Agricultural Education

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

Explore the impact animal physiology has on animal nutrition and health. Identify animals using physical traits and characteristics. Implement best management practices to select healthy animals. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway.

Year Recommended:	9, 10, 11	Schools:	H, WC	Required:	No	Test:	Perform Based Measure	Weighted:	Honors Section
Prerequisite:	N/A								

*Honors Animal Science II - Food Animal--AA225X0 (1 Credit)

Expand knowledge of animal anatomy and physiology and utilize genetics to improve animal performance. Formulate nutrition plans to produce food animals and design facilities to manage animal production systems. Develop an understanding of veterinary terminology and practices. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway.

Year Recommended:	10, 11, 12	Schools:	H, WC	Required:	No	Test:	Perform Based Measure	Weighted:	Yes
Prerequisite:	Animal Science I								

Horticulture I--AP412XO (1 Credit) Honors Horticulture I--AP415XO (1 Credit)

Grow your knowledge of plant biology and environmental conditions plants need to thrive. Cultivate plant identification skills and experiment with propagation and production practices. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway.

Year Recommended:	9, 10, 11	Schools:	SC, WC	Required:	No	Test:	Perform Based Measure	Weighted:	Honors Section
Prerequisite:	N/A								

*Horticulture II - Plant Production--AP422XO (1 Credit) *Honors Horticulture II - Plant Production--AP425XO (1 Credit)

Cultivate skills related to greenhouse, nursery, floral, and edible plant production, and maintenance practices. Experience the requirements to grow and maintain healthy plants and floral products through work-based learning opportunities. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway.

Year Recommended:	10, 11, 12	Schools:	SC, WC	Required:	No	Test:	Perform Based Measure	Weighted:	Honors Section
Prerequisite:	Horticulture I								

Agricultural Mechanics I--AS312XO (1 Credit)
Honors Agricultural Mechanics I--AS315XO (1 Credit)

Develop knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. Identify day-to-day maintenance and repair needs of agricultural mechanics equipment. Generate knowledge of agricultural mechanics safety and hand/power tool use and selection. Develop an understanding of electrical wiring and basic agricultural metal and wood fabrication. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Power, Structural and Technical Systems pathway.

Year Recommended: 9, 10, 11 **Schools:** SC **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: N/A

***Honors Agricultural Mechanics II--AS325XO (1 Credit)**

Understand metal fabrication technology to implement hot/cold metal working skills and technology, advanced welding and metal cutting skills. Build non-metallic agricultural fabrication techniques. Utilize tools and equipment safely to work with plastics, plumbing, concrete, and masonry. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in Power, Structural and Technical Systems pathway.

Year Recommended: 10, 11, 12 **Schools:** SC **Required:** No **Test:** State Test **Weighted:** Yes
Prerequisite: Agricultural Mechanics I

*Denotes a Concentrator Course

Business, Finance & Marketing Education

Accounting I--BA102Xo (1 Credit)
Honors Accounting I--BA105Xo (1 Credit)

Investigate the basic principles of the accounting cycle. Analyze business transactions and the proper recording of these records. Interpret financial statements, accounting systems, banking and payroll activities and basic types of business ownership. Gain knowledge and skills for careers in accounting. ***Students have the opportunity to earn Articulated College Credit for ACC 115 College Accounting at the community college.***

Year Recommended: 10, 11, 12 **Schools:** H,SC,CO **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: N/A

***Honors Accounting II--BA205Xo (1 Credit)**

Develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making managerial decisions. Explore departmental accounting, corporate accounting, cost accounting and inventory control systems. Amplify accounting skills to accurately complete specialized accounting procedures. Gain the knowledge and skills for careers in accounting. ***Students have the opportunity to earn Articulated College Credit for ACC 115 College Accounting OR ACC 150 Accounting Software Application at the community college.***

Year Recommended: 11, 12 **Schools:** H,SC **Required:** No **Test:** State Test **Weighted:** Yes
Prerequisite: Accounting I

Business Essentials--BF102Xo (1 Credit)
Honors Business Essentials--BF105Xo (1 Credit)

Explore realistic business principles by examining the business environment and primary business activities. Conceptualize ethics, customer relations, and human resource management through workplace scenarios. Investigate the usage of financial analysis, economics, information management, marketing, operations, and technology in the business world of the 21st century. Gain the knowledge and skills for careers in multiple business pathways. **This course is a prerequisite for the Financial Planning and Business Management Courses.**

Year Recommended: 9, 10, 11, 12 **Schools:** G,H,CO **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: N/A

Business Ethics and Law I--BB302Xo (1 Credit)
Honors Business Ethics and Law I--BB305Xo (1 Credit)

Cultivate the knowledge of basic legal and ethical principles governing the business industry and its consumers. Explore the role federal and state government plays in criminal and civil court cases. Investigate issues that arise in the topics of business ownership, contract law, employment law, cyber law, property law and environmental law. Gain the knowledge and skills for careers in business law.

Year Recommended: 9, 10, 11, 12 **Schools:** H **Required:** No **Test:** Perform Based Measure **Weighted:** Honors Section
Prerequisite: N/A

Business Management I--BB402Xo (1 Credit)
Honors Business Management I--BB405Xo (1 Credit)

Cultivate core management concepts. Investigate how managers plan, organize, staff, and direct business's resources that enhance the effectiveness of the decision-making process. Explore ethical dilemmas and real-world situations utilizing customer service, academic and critical-thinking skills. Gain the knowledge and skills for careers in general management.

Year Recommended: 9, 10, 11, 12 **Schools:** H,CO **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: Business Essentials

***Business Management II--BB422Xo (1 Credit)**
***Honors Business Management II--BB425Xo (1 Credit)**

Nurture the appreciation and significance of management to business organizations. Investigate how managers control financial resources, inventory, ensure employee safety, and protect customer data to enhance the effectiveness of their decision making. Investigate ethical dilemmas, practice problem solving, and build teamwork skills. Gain the knowledge and skills for careers in business management.

Year Recommended: 10, 11, 12 **Schools:** H **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: Business Management I

Financial Planning I--BF212Xo (1 Credit)
Honors Financial Planning I--BF215Xo (1 Credit)

Develop techniques to enhance personal wealth building for a secure financial future. Establish key strategies for wealth building through evaluating businesses for investment opportunities while incorporating current headlines and trends, financial resources, and stock market simulation. Gain the knowledge and skills for careers in financial planning.

Year Recommended: 9, 10, 11, 12 **Schools:** H **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: Business Essentials

***Financial Planning II--BF222Xo (1 Credit)**
***Honors Financial Planning II--BF225Xo (1 Credit)**

Develop the knowledge and skills to create a business financial plan; including loans, insurance, taxes, and corporate governance. Explore the various risks and returns associated with business activities and the impact of the global economy. Analyze ethical situations in various aspects of financial leadership in local, national, and global business environments. Gain the knowledge and skills for careers in financial planning.

Year Recommended: 10, 11, 12 **Schools:** H **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: BF21 Financial Planning I

Project Management I--GS112XO (1 Credit)
Honors Project Management I--GS115Xo (1 Credit)

Explore the principles, concepts, and software applications used in the management of projects from conception to completion. Utilize project-based learning to exemplify the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. Analyze the core concepts of scope, time, cost, and integration. Gain the knowledge and skills for careers across multiple pathways.

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

***Honors Project Management II--CS125Xo (1 Credit)**

Develop advanced project management skills. Utilize project-based learning to understand how to use the framework of initiating, planning, executing, monitoring, controlling and closing a project in authentic situations. Explore concepts of quality management, human resources, communication management, risk management and stakeholder management. Gain the knowledge and skills for careers across multiple pathways.

Year Recommended: 10, 11, 12 **Schools:** H, WC, SC **Required:** No **Test:** Credential **Weighted:** Yes
Prerequisite: CS11 Project Management I

Marketing I--MM512Xo (1 Credit)

Implement dynamic marketing processes and activities. Develop an understanding of marketing functions and their impact on business operations. Conceptualize a comprehensive marketing plan. Gain the knowledge and skills for careers in marketing. Students who are enrolled in this course can be members of DECA. This organization offers numerous scholarships and leadership development opportunities. ***Students have the opportunity to earn Articulated College Credit for MKT 120 Principles of Marketing at the community college.***

Year Recommended: 9, 10, 11, 12 **Schools:** SC,WC,CO **Required:** No **Test:** Preform Based Measure **Weighted:** No
Prerequisite: N/A

***Marketing II--MM522Xo (1 Credit)**
***Honors Marketing II--MM525Xo (1 Credit)**

Understand marketing mix strategies and the marketing model. Explore the role of marketing research, marketing data, and marketing communications. Apply knowledge to prepare a strategic marketing plan. Gain knowledge and skills for careers in marketing. Students who are enrolled in this course can be members of DECA. This organization offers numerous scholarships and leadership development opportunities.

Year Recommended: 10, 11, 12 **Schools:** SC,WC **Required:** No **Test:** State Test **Weighted:** Honors Section
Prerequisite: MM51 Marketing I

Marketing Cooperative Education--MM516Xo (1 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 a Marketing course and approval of the instructor. Students must provide their own transportation to the workplace.

Sport & Event Marketing I--MH312Xo (1 Credit) Honors Sport & Event Marketing I--MH315Xo (1 Credit)

Explore sport and event industries, associated marketing strategies, and branding concepts. Develop an understanding of promotion and marketing data related to sports and events. Weave together the concepts to create a proposal for a unique event. Gain the knowledge and skills for careers in sport and event marketing. Students who are enrolled in this course can be members of DECA. This organization offers numerous scholarships and leadership development opportunities.

Year Recommended: 9, 10, 11, 12 **Schools:** SC,WC, CO **Required:** No **Test:** Perform Based Measure **Weighted:** No

Prerequisite: MM51 Marketing I recommended

*Honors Sport & Event Marketing II--MH325Xo (1 Credit)

Utilize knowledge of promotion and marketing to create a plan for a unique event. Hypothesize marketing data to make informed communication decisions. Analyze the financial and economic impacts of sports and events. Gain the knowledge and skills for careers in sport and event marketing. Students who are enrolled in this course can be members of DECA. This organization offers numerous scholarships and leadership development opportunities.

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

Prerequisite: MH31 Sport & Event Marketing

Entrepreneurship I--ME112Xo (1 Credit) Honors Entrepreneurship I--ME115Xo (1 Credit)

Conceptualize starting, opening, working for, and operating a small business. Explore feasibility, design thinking, entrepreneurial mindset and Lean Canvas Business Model. Investigate channel management, pricing, product/service management and promotion. Gain the knowledge and skills for careers in entrepreneurship. ***Students have the opportunity to earn Articulated College Credit for BUS 139 Entrepreneurship I OR ETR 210 Introduction to Entrepreneurship at the community college.***

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

Prerequisite: N/A

*Honors Entrepreneurship II--ME125Xo (1 Credit)

Utilize business planning strategies to accelerate the implementation of a business idea. Construct plans for risk management, staffing and promotions. Develop a business plan complete with a SWOT analysis and action plan. Gain the knowledge and skills for careers in entrepreneurship.

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

Prerequisite: ME11 Entrepreneurship I

Career Development Education

Career Management--ED452Xo(1 Credit) Honors Career Management--ED455XO (1 Credit)

Focus on leadership, career development and management, essential employability skills, and career exploration through hands-on experiences. Develop an understanding of personal learning styles, speaking skills development, and team management skills. Build understanding of the National Career Development Guidelines, including communications skills, personal management, and teamwork. Gain the knowledge and skills for careers in all CTE pathways.

Year Recommended: 9, 10 **Schools:** G, H, SC, WC, CO **Required:** No **Test:** Perform Based Measure **Weighted:** Honors Section

Prerequisite: N/A

*Denotes a Concentrator Course

IT and Technology Education

Adobe Visual Design I--CD102Xo (1 Credit) Honors Adobe Visual Design I--CD105Xo (1 Credit)

Build logos and vector images using features in Adobe Illustrator. Enhance photographs using features in Adobe Photoshop. Produce images to be used in business publications and communications. Gain knowledge and skills for careers in the Adobe Academy pathway.

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

Prerequisite: N/A

*Adobe Visual Design II--CD112Xo (1 Credit) *Honors Adobe Visual Design II--CD115Xo (1 Credit)

Explore elements that make exceptional digital and print publications. Create print and digital publications in Adobe InDesign. Train to earn the industry-recognized Adobe Certified Professional InDesign credential. Gain knowledge and skills for careers in the Adobe Academy pathway.

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

Prerequisite: II41 Adobe Visual Design I

*Adobe Video Design I--CD142Xo (1 Credit) *Honors Adobe Video Design I--CD145Xo (1 Credit)

Discover the legal, technical, and editorial principles employed in the video industry necessary to understand ethical implications before engaging in a film project. Work collaboratively to conceive, plan, and execute production plans to create audio and video assets. Use Adobe Premiere Pro features to edit audio and video clips to create and publish a range of video products. Gain the knowledge, skills, and credentials necessary for career possibilities in the Adobe Video Design pathway. ***Students have the opportunity to earn Articulated College Credit for DME 140 Intro to Audio/Video Media at the community college.***

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

Prerequisite: N/A

Intro to Graphic Communications--IA112Xo (1 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.

Year Recommended:	9, 10, 11, 12	Schools:	H	Required:	No	Test:	District Test	Weighted:	No
Prerequisite:	N/A								

Microsoft Word & Powerpoint--BM102Xo (1 Credit) Honors Microsoft Word & Powerpoint--BM105Xo (1 Credit)

Craft, enhance, customize, and create various documents using Microsoft Word. Design, customize, and present presentations using Microsoft PowerPoint. Utilize the various features of both programs to produce relevant 21st Century documents. Gain the knowledge and skills for careers in the Computer Science, IT, and Technology pathways. ***Students have the opportunity to earn Articulated College Credit for OST 136 Word Processing at the community college.***

Year Recommended:	9, 10, 11, 12	Schools:	H, SC, WC, CO	Required:	No	Test:	Credential	Weighted:	Honors Section
Prerequisite:	N/A								

Honors Microsoft Excel--BM205Xo (1 Credit)

Develop spreadsheets in Microsoft Excel using fundamentals, formulas, and functions. Illustrate data with tables and graphs. Manage workbooks, manipulate data and use simple macros. Gain the knowledge and skills for careers in the Computer Science, IT and Technology pathways. ***Students have the opportunity to earn Articulated College Credit for CTS-130 Spreadsheet AND CTS 230 Advanced Spreadsheet at the community college.***

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

Python Programming I--CP102Xo (1 Credit) Honors Python Programming I--CP105Xo (1 Credit)

Craft basic programs utilizing Python programming language. Execute functions, loops, operations and data sets in various programs. Design programs with considerations for ethics, security and how to implement the problem-solving process throughout the coding process. Gain the knowledge and skills for careers in the Python Programming pathway.

Year Recommended:	9, 10, 11, 12	Schools:	H	Required:	No	Test:	Perform Based Measure	Weighted:	Honors Section
Prerequisite:	N/A								

*Honors Python Programming II--CP115Xo (1 Credit)

Design, write, debug and run programs encoded in the Python language. Formulate program using Internet of Things (IoT) programs. Develop stories utilizing data sets, visualizations and Python programming. Gain the knowledge and skills for careers in the Python Programming pathway.

Year Recommended:	10, 11, 12	Schools:	H	Required:	No	Test:	Credential	Weighted:	Yes
Prerequisite:	BP14 Python Programming I								

*Denotes a Concentrator Course

Family & Consumer Sciences Education

Apparel & Textile Production I--FA312Xo (1 Credit) Honors Apparel & Textile Production I--FA315Xo (1 Credit)

Discover the diverse landscape of the apparel and textile industry, with a focus on design, textiles and apparel engineering. Explore a range of topics, including fibers and finishes, sewing patterns and techniques and the elements and principles of design. Construct a sewn project using knowledge learned in the course. Gain the knowledge and skills for careers in apparel and textile production.

Year Recommended:	9, 10, 11, 12	Schools:	SC,WC	Required:	No	Test:	State Test	Weighted:	Honors Section
Prerequisite:	N/A								

*Apparel & Textile Production II--FA322Xo (1 Credit) *Honors Apparel & Textile Production II--FA325Xo (1 Credit)

Design apparel utilizing the design process. Implement advanced sewing skills to engineer an apparel product. Simulate marketing and business experience to explore the apparel industry. Gain the knowledge and skills for careers in apparel and textile production.

Year Recommended:	10, 11, 12	Schools:	SC,WC	Required:	No	Test:	State Test	Weighted:	Honors Section
Prerequisite:	FA31 Apparel & Textile Production I								

Child Development--FE602Xo (1 Credit) Honors Child Development--FE605Xo (1 Credit)

Investigate the major influences on child development including culture, heredity, and environmental factors. Explore the importance of early relationships and how they promote healthy brain development while identifying characteristics of children birth through age five. Identify the different theories of child development and their impact on the physical, social, emotional, and cognitive domains of development in children. Gain the knowledge and skills for careers in early childhood development and services. **This course is a prerequisite for Early Childhood Education I.**

Year Recommended:	9, 10, 11, 12	Schools:	H, SC,WC, CO	Required:	No	Test:	State Test	Weighted:	Honors Section
Prerequisite:	N/A								

*Honors Early Childhood Education I--FE115Xo (2 Credits)

This is a 2 unit, one-semester course. Acquire the knowledge and skills needed to provide developmentally appropriate practices in high quality early childhood education programs. Explore ways of creating a child-centered approach to curriculum planning that includes the use of space, materials, relationships, play and observations. Participate in practical hand-on internship working within the early childhood classroom, learn how to meet the individual needs of children with varying abilities, and reflect on learning experiences and their impact on children. Gain the knowledge, skills, and industry credentials for careers in early childhood development and services. 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 screening, health questionnaire and a criminal background check. Some costs 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. Students who successfully complete this course will be eligible to apply for the **North Carolina Early Childhood Credential (NCECC)** when they turn 18 years of age. Students also have the opportunity to earn **Articulated College Credit for EDU 119 Intro to Early Childhood Education** at the community college.*

Year Recommended:	11, 12	Schools:	H, SC	Required:	No	Test:	Perform Based Measure	Weighted:	Yes
Prerequisite:	FE60 Child Development								

Honors Early Childhood Education II--FE125Xo (2 Credits)

This is a 2 unit, one-semester course. Participate in the planning, creation and adaptation of developmentally appropriate learning environments. Focus on curriculum, teaching practices, and learning material through the internship experience. Teach children the importance of art and creativity. Gain the knowledge and skills for careers in early childhood education and services. **This course requires a current TB screening, health questionnaire, and criminal background check. Some costs may be incurred by the student.**

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

Prerequisite: FE11 Early Childhood Education I

Food and Nutrition I--FN412Xo (1 Credit) Honors Food and Nutrition I--FN415Xo (1 Credit)

Formulate an understanding of nutrition for a healthy lifestyle by preparing foods in each food group. Develop kitchen skills that promote proper food handling practice. Plan and execute meal management. Gain the knowledge, skills and an industry credential for careers in food and nutrition. ***Students have the opportunity to earn Articulated Credit for CUL 112 & CUL 112A Nutrition for Food Service & Lab, AND CUL 110 & 110A Sanitation & Safety & Lab at the community college if they complete Food and Nutrition I and II.***

Year Recommended: 9, 10, 11 **Schools:** H, SC, WC, CO **Required:** No **Test:** State Test **Weighted:** Honors Section

Prerequisite: N/A

*Food and Nutrition II--FN422Xo (1 Credit) *Honors Food and Nutrition II--FN425Xo (1 Credit)

Expand knowledge of nutrient needs for a healthy lifestyle through the lifespan. Discover the impact of food systems on the environment, economy, society, and the individual. Develop an entrepreneurial venture idea using the Lean Canva Business Model. Gain the knowledge, skills and an industry credential in food protection management for careers in food and nutrition. ***Students have the opportunity to earn Articulated Credit for CUL 112 & CUL 112A Nutrition for Food Service & Lab, AND CUL 110 & 110A Sanitation & Safety & Lab at the community college.***

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

Prerequisite: FN41 Food and Nutrition I

Culinary Arts and Hospitality I--FH102Xo (1 Credit) Honors Culinary Arts and Hospitality I--FH105Xo (1 Credit)

Utilize foodservice equipment and tools in preparation of numerous types of cuisines. Practice culinary skills in baking, garde manger, and basic cooking methods. Practice safety and sanitation to prepare for the foodservice industry. Gain the knowledge and skills for careers in culinary and hospitality. ***Students have the opportunity to earn Articulated Credit for CUL 110 & 110A Sanitation & Safety & Lab at the community college if they complete Culinary Arts & Hospitality I and II.***

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

Prerequisite: Food and Nutrition I highly recommended

Culinary Arts and Hospitality II Applications--FH112Xo (1 Credit)
Honors Culinary Arts and Hospitality II Applications--FH115Xo (1 Credit)

Execute the planning of foodservice operations in a school-based enterprise. Design a variety of cuisines to apply learned cooking methods. Explore United States regional soups, global baking, and pastry arts. Gain the knowledge, skills, and certification for careers in culinary arts and hospitality. ***Students have the opportunity to earn Articulated Credit for CUL 110 & 110A Sanitation & Safety & Lab at the community college.***

Year Recommended: 11, 12 **Schools:** SC, WC **Required:** No **Test:** Perform Based Measure **Weighted:** Honors Section

Prerequisite: FH10 Culinary Arts and Hospitality I

***Honors Culinary Arts and Hospitality III --FH135Xo (1 Credit)**

Build knowledge of management and menu planning within a foodservice operation. Establish understanding of food preservation techniques, yeast bread and pastries preparation. Learn the skills to earn a certification for advancement in the food service industry. Gain the knowledge, skills, and industry credential for careers in culinary arts and hospitality.

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

Prerequisite: FH11 OR FH12- Culinary Arts and Hospitality II

Interior Design Fundamentals --FI212Xo (1 Credit)
Honors Interior Design Fundamentals --FI215Xo (1 Credit)

Build the knowledge and technical skills necessary to provide a foundational knowledge of the design industry. Explore design thinking and utilize the interior design process. Apply interior design principles and illustrate design solutions through visual communication. Gain the knowledge and skills for careers in interior design.

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

Prerequisite: N/A

***Interior Design Studio --FI222Xo (1 Credit)**
***Honors Interior Design Studio --FI225Xo (1 Credit)**

Devise an understanding of the multiple roles of an interior designer. Utilize artistic and design factors in planning, selection, and arrangement of interior spaces to meet the needs of families in the interior environment. Participate in creating a portfolio that includes a diverse understanding of multiple areas of design. Gain the knowledge and skills for careers in interior design.

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

Prerequisite: FI21 Interior Design Fundamentals

***Honors Interior Design Technology --FI235Xo (1 Credit)**

Integrate interior design skills and building information modeling (BIM) using the AutoDesk Revit architecture program. Become familiar with digital drafting tools that enable designers to create fully coordinated plans, sections, elevations, 3-D perspectives, and renderings. Utilize drafting software to create a diverse portfolio of interior design skills. Gain knowledge, skills, and industry certification for careers in interior design.

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

Prerequisite: FI21 Interior Design Fundamentals

*Denotes a Concentrator Course

Health Science Education

Health Science I--HU402Xo (1 Credit)

Honors Health Science I--HU405Xo (1 Credit)

Explore anatomy, physiology, diseases, and disorders within human body systems. Understand structural organization of the human body as it applies to recognizing and responding to first aid emergencies. Engage in projects, teamwork, collaboration, and demonstrations to reinforce curriculum content. Gain knowledge, skills, and industry credentials for careers in the Healthcare Professional pathway. HOSA competitive events serve as instructional strategies that reinforce the curriculum.

Year Recommended:	10, 11, 12	Schools:	H, SC,WC,CO	Required:	No	Test:	State Test	Weighted:	Honors Section
--------------------------	---------------	-----------------	-------------	------------------	----	--------------	---------------	------------------	-------------------

Prerequisite: Biology highly recommended as preparation for this course.

*Health Science II--HU422Xo (1 Credit)

*Honors Health Science II--HU425Xo (1 Credit)

Understand the healthcare industry, including employability skills, cultural awareness, safety, and infection control procedures used by healthcare professionals. Develop an understanding of the cardiovascular and respiratory systems to apply knowledge and skills toward earning industry-recognized credentials. Demonstrate understanding of curriculum content through projects, collaborations, and teamwork. Gain the knowledge, skills, and credentials for careers in the Healthcare Professional pathway. HOSA competitive events serve as instructional strategies that reinforce the curriculum.

Year Recommended:	10, 11, 12	Schools:	H, SC,WC	Required:	No	Test:	Perform Based Measure	Weighted:	Honors Section
--------------------------	---------------	-----------------	----------	------------------	----	--------------	-----------------------------	------------------	-------------------

Prerequisite: HU40 Health Science I

Honors Nursing Fundamentals--HN435Xo (2 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 a 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. ***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 Aide 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

*Denotes a Concentrator Course

Trade and Industry Education

Construction Core--IC002X0 (1 Credit)

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

Perform basic safety procedures required for construction and industrial project sites. Engage in proper techniques required to safely operate hand and power tools used in the construction industry. Practice material handling tasks using appropriate personal protective equipment (PPE) procedures and techniques. Gain the knowledge, skills, and industry credentials for careers in architecture and construction.

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

Prerequisite: N/A

Carpentry I--IC212X0 (1 Credit)

Develop basic skills to interpret and lay out basic construction plans and documents used by carpenters. Engage in procedures for laying out and constructing floor and wall systems. Practice essential stairway design and construction techniques. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. 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 CAR 110 Intro to Carpentry OR WOL 110 Basic Construction Skills OR CST 110 Intro to Construction at the community college.***

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

Prerequisite: IC00 Construction Core

*Honors Carpentry II--IC225X0 (1 Credit)

Engage in procedures for laying out, constructing, and installing roofing components for residential and commercial buildings. Practice skills related to moisture and insulation control concepts for building envelope systems installation. Participate in exterior finish materials installation procedures. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. 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:** SC, WC **Required:** No **Test:** Credential **Weighted:** Yes

Prerequisite: IC21 Carpentry I

Honors Carpentry III--IC235X0 (1 Credit)

Develop a working knowledge of skills required to read and interpret commercial drawings and specifications. Engage in procedures for drywall installation and finishing. Participate in the installation of door and door hardware installation procedures. Gain knowledge, skills, and industry credentials for careers in architecture and construction. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

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

Prerequisite: IC22 Carpentry II

Honors Masonry I--IC115Xo (1 Credit)

Develop basic skills to interpret measurements, drawings, and specifications common in masonry work. Engage in safely operating masonry tools and equipment. Participate in setting up, laying out, and bonding block and brick using an appropriate mortar mixture. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. SkillsUSA 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:** H, SC,WC **Required:** No **Test:** Credential **Weighted:** Yes

Prerequisite: IC00 Construction Core

*Honors Masonry II--IC125Xo (1 Credit)

Participate in masonry construction techniques for residential and small structure foundations. Focus on the use of grout and the application of other reinforced masonry elements. Engage in the installation of metal components and masonry openings. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. 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 at the community college.***

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

Prerequisite: IC11 Masonry I

Honors Masonry III--IC135Xo (1 Credit)

Participate in advanced masonry construction techniques and the interaction with structural components. Develop an understanding of the effects of hot and cold weather climate conditions on masonry construction. Develop a working knowledge of quality control requirements for masonry construction. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. 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 at the local community college.***

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

Prerequisite: IC12 Masonry II

CTE Advanced Studies (1 Credit)

This is a course for Seniors focused in a career cluster. The four components of the program include a research paper, a product, a 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 **Test:** **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 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, CO **Required:** No **Test:** **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--96012XoLAB (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 (FR-OCS) focuses on students whose primary goal is to go directly into the workforce or to attend a postsecondary education program resulting in a licensure, certificate or credential upon graduation from high school. This course of study is intended to meet the educational and career development needs of a small group of students with disabilities who require a variety of substantive instructional supports and accommodations throughout the school day to access and make progress towards grade level standards.

English I--9210BXoBC (1 credit)

Surveys world literature through textual analysis of literary genres including short stories, poetry, drama, epics, nonfiction, persuasive and argumentative texts, presentation techniques, cause and effect writing, and research focusing on career readiness. The student will explore, examine, and evaluate a wide variety of modes of expression.

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

English II--9211BXoBC (1 credit)

Surveys world literature through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasive and argumentative texts, presentation techniques, cause and effect writing, and research focusing on global awareness. The student will explore, examine, and evaluate a wide variety of modes of expression.

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

English III--9212BXoBC3 (1 credit)

Surveys American literature and various literary genres including oral folklore, drama, poetry, short stories, and various persuasive texts. Students will explore, examine, and evaluate a wide variety of modes of expression, and then apply life-skills writing, speaking, and listening skills. Students will examine grammatical concepts including parts of speech, punctuation, sentence and paragraph structure, and then apply these concepts through development of a comprehensive research-based persuasive essay.

Year Recommended: 11 **Schools:** H, SC, WC **Required:** Yes **Test:** Local **Weighted:** No
Prerequisite: IEP Team Placement; English II

English IV--9213BXoBC4 (1 credit)

Surveys world literature through the examination of the English language in various contexts including literary and non-literary texts. Students will explore, examine, and evaluate a wide variety of modes of expression to prepare for development of a comprehensive research-based essay.

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

Prerequisite: IEP Team Placement; English III

Intro to Mathematics--9220BXo (1 credit)

Students will learn introductory algebra and math-related life skills by working with numbers, fractions and decimals, rates and ratios, time and measurement, working with algebraic expressions, solving equations and inequalities, working with points and lines, working with data sets, and working with basic geometric figures.

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

Prerequisite: IEP Team Placement

Math 1--9225BXoM1B (1 credit)

Students are introduced to operations with real numbers and polynomials. Students deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Through the application of linear, quadratic and exponential functions students engage in methods for analyzing, solving, and using quadratic functions.

Year Recommended: 10 **Schools:** H, SC, WC **Required:** Yes **Test:** EOC **Weighted:** No

Prerequisite: IEP Team Placement; Introduction to Mathematics

Financial Management--9222BXoFM (1 credit)

This course covers topics such as personal financial planning, wages and compensation, state and federal taxes, consumer spending, credit, and insurance.

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

Prerequisite: IEP Team Placement; Math I

Applied Science--9231BXoBC (1 credit)

Students learn environmental, physical, and life science concepts in nine units covering human impacts on the environment, energy and its conservation, properties of matter, dangers and uses of common chemicals, force and motion, electricity and magnetism, and the human body systems.

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

Prerequisite: IEP Team Placement

Biology--9232BXoOB (1 credit)

Students will develop an understanding of biological processes and discover how life science is an integral part of other sciences and society. They will gain an understanding of the cell, molecular basis of heredity, and biological evolution. Students will also investigate the interdependence of organisms as well as acquire an understanding of the matter, energy and organization in living systems.

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: 9, 10 **Schools:** H, SC, WC **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: IEP Team Placement

Economics and Personal Finance --9344AXoEPF (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: 12 **Schools:** H, SC, WC **Required:** Yes **Test:** Local **Weighted:** No

Prerequisite: IEP Team Placement

Occupational Preparation I --9240BXo (1 credit) Occupational Preparation II --9241BXoBCF (Fall); 9241BXoBCS (Spring) (1 credit)

This course is designed to teach students life skills and promote success in the areas of postsecondary education, employment, and independent living. Students will continue to work towards earning 150 school-based hours to develop soft skills including: teamwork and collaborative communication, problem-solving, leadership, collaboration, work ethic, adaptability, interpersonal skills, creativity and time management.

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

Prerequisite: IEP Team Placement; Occupational Preparation I

Occupational Preparation III --9242BXoBCF (Fall); 9242BXoBCS (Spring)(1 credit) Occupational Preparation IV --9243BXoBCF (Fall); 9243BXoBCS (Spring)(1 credit)

This course is designed to teach students life skills and promote success in the areas of postsecondary education, employment, and independent living. The instructional emphasis of this course is self-determination, career development activities to determine career goal, develop job-seeking skills, personal management, job performance, developing interpersonal skills and employability skills. Students will create a career portfolio and earn 225 community-based work hours in community settings to connect classroom learning to the real world.

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

Prerequisite: IEP Team Placement; Occupational Preparation II

Career Training I— 9240BXoC1 (1 Credit)
Career Training II— 9241BXoC2 (1 Credit)
Career Training III— 9242BXoC3 (1 Credit)
Career Training IV— 9243BXoC4 (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.

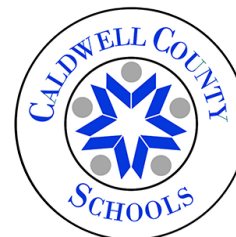
Year	11, 12	Schools:	H, SC, WC	Required:	Yes	Test:	Meet IEP Goals	Weighted:	No
Recommended:									
Prerequisite:	IEP Team Placement								

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, CO	10, 11, 12
AP Computer Science A	SC, CO	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	10, 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 Art History	SC	10, 11, 12
AP Music Theory	SC	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)		CD10 Adobe Visual Design I	CD11 Adobe Visual Design II OR CD14 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)		GS11 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-Culinary Arts (CULA)	FH10 Culinary Arts & Hospitality I	FH11 Culinary Arts & Hospitality II (Applications)	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)		CP10 Python Programming I	CP11 Python Programming II	
Marketing - Marketing Management (MMGT)		MM51 Marketing	MM52 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 comprehensive 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, CO
MAT 171	H, SC, CO
MAT 172	H, SC, CO
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.

Caldwell Applied Sciences Academy	Frank Pait	(828)759-4653	fpait@cccti.edu
Caldwell Early College High School	Brenda Lewis	(828)759-4647	bblewis@cccti.edu
Caldwell Online Academy	Jeff Link	(828)726-2606	jlink@cccti.edu
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-Whisnant	(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	PreACT	ACT	SAT
English	26	18	18	Evidence-Based Reading and Writing: 410
Reading	26	22	22	
Mathematics	24.5	22	22	Math: 520

For more information, please contact the transition advisor at your school.



Career and College Promise

Career and College Promise (CCP) Grade Change Request Procedure

CCP courses are offered in a seated capacity on the CCC&TI campus, on the high school campus via the Highway Room, or online. All CCP course grades are determined by the course instructor and the final course grade is posted in an Alpha Grade (A, B, C, etc) at CCC&TI. Students do have the ability to check their numeric course grade via Moodle and Aviso, however the numeric grade may or may not be the official grade.

NC Public School Units are required to report numeric grades using the ten-point grading scale. CCC&TI is the authoritative source of the CCP credit and final grade, not Caldwell County Schools. Due to this reporting difference, NCDPI shared the following Alpha to Numeric Grade Conversion Chart via a [memo](#) on December 9, 2015. The statement (in blue) following this chart precipitated the need for discussion and the new grade change request procedure.

Letter Grade		Numeric Grade Conversion	Letter Grade		Numeric Grade Conversion
A, A+, A-	=	95	D, D+, D-	=	65
B, B+, B-	=	85	F	=	55
C, C+, C-	=	75			

If a student/family has evidence of the numeric grade earned in the course, even though it is not officially recorded, the school district or principal is encouraged to use the most accurate numeric grade available for recording.

Career and College Promise (CCP) Grade Change Request Procedure

Should a student/family member have evidence of a numeric grade different than what is posted on the conversion chart above and wish to have the grade changed on the high school transcript, please follow the procedures listed below:

1. The student will submit a written request via their CCC&TI email account* to the high school Transition Advisor. This email should include the course, instructor, and evidence of the numeric grade requested (*meets CCC&TI computer usage policy).
2. The grade change request window is limited to a two week period following each semester:
 - a. Fall Semester course grade change requests must be made within the first ten (10) school days of the Spring (Semester 2) high school calendar.
 - b. Spring Semester course grade change requests must be made by June 10.
 - c. Summer Semester course grade change requests must be made within the first ten (10) school days of the Fall (Semester 1) high school calendar.

Once a written grade change request is received, the Transition Advisor or designee will consult with CCC&TI staff to confirm the final numeric grade and will submit the official numeric grade to the high school.

Important Points:

Any questions regarding CCP grade inquiries from students/parents/staff should be directed to the school's Transition Advisor, as they are the school contact for CCC&TI.

All CCP numeric grades must follow the conversion chart, regardless of the location and method of instructional delivery. Specifically, all Highway Room courses are subject to follow the grade conversion chart and students will follow the grade change request procedure listed above.

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:	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)	6
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)	6
Select two:	Math MAT 171, MAT 172, MAT 263, MAT 271, MAT 272	8
Select one group:	Natural Sciences 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:	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)	6
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)	6
Select one:	Math MAT 143, MAT 152, MAT 171, MAT 271, MAT 272	3
Select one:	Natural Sciences 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
	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:	Humanities/Fine Arts/Communication 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:	Social/Behavioral Sciences ECO 251, ECO 252, HIS 111, HIS 112, HIS 131, HIS 132, POL 120, PSY 150, SOC 210 (minimum 2 subjects)	6
Select one:	Math MAT 143, MAT 152, MAT 171, MAT 271, MAT 272	3
Select one:	Natural Sciences 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:	Ensemble MUS 131, MUS 132, MUS 133, MUS 134, MUS 135, MUS 136, 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, HUM 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:	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 (minimum 2 subjects)	6
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
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)	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.**

Biopharmaceutical Certificate:

Biopharmaceutical (Certificate) C20180CT

The Biopharmaceutical certificate exposes students to the different types of employment within the pharmaceutical manufacturing industry.

Course	Course Name	Credit Hours
BPM 110	Bioprocess Practices	5
ISC 112	Industrial Safety	2
ISC 278	cGMP Quality Systems	2
PTC 110	Industrial Environment	3
	Total Credit Hours	12

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

***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 (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 125	Personal Finance	3
BUS 137	Principles of Management	3
CIS 110	Introduction to Computers	3
ECO 251*	Principles of Macroeconomics	3
ECO 252*	Principles of Macroeconomics	3
ENG 111*	Writing and Inquiry	3
MKT 120	Principles of Marketing	3
MKT 232	Social Media Marketing	4
	Total Credit Hours	39

*** 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

* 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.

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

Criminal Justice Technology Certificate:

Criminal Justice Technology (Certificate) C55180CT

The Criminal Justice Technology certificate is designed to provide knowledge of the criminal justice systems and operations.

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 231	Constitutional Law	3
	Total Credit Hours	18

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.

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:

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

Human Services Technology/Mental Health Certificate:

Human Services Technology/Mental Health (Certificate) C4538CT

The Human Services Technology/Mental Health certificate will open the door for students who seek to be a psychiatric technician in the field and upon completion, students will be eligible to sit for the Level I psychiatric technician exam.

Course	Course Name	Credit Hours
HSE 110	Intro to Human Services	3
MHA 150	Mental Health Systems	3
MHA 155	Psychological Assessment	3
PSY 150*	General Psychology	3
	Total Credit Hours	12

* 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.

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 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: Cyber Security (Certificate) C25590ST

The Information Technology Cybersecurity certificate exposes students to the exciting world of Cybersecurity. Students choosing this pathway will develop an in-demand skill set that is required to defend individuals and organizations from the latest Cyber threats. Students will be expected to work hands-on with technology and become innovative thinkers dedicated to protecting others online.

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

Information Technology: Digital Media (Certificate) C25590DT

The Information Technology Digital Media certificate exposes students to the world of graphic design. Students choosing this pathway will learn how to use computers and software applications as creative tools to manifest ideas in to reality in the form of digital art.

Course	Course Name	Credit Hours
DME 110	Intro to Digital Media	3
DME 115	Graphic Design Tools	3
DME 120	Intro to Multimedia Appl	3
DME 130	Digital Animation I	3
	Total Credit Hours	12

Information Technology: Mobile App (Certificate) C25590MT

The Information Technology Mobile App Development certificate exposes students to mobile application development. Students choosing this pathway will learn how to develop mobile applications for platforms like Apple's iOS and Google's Android.

Course	Course Name	Credit Hours
CTI 150	Mobile Computing Devices	3
WEB 125	Mobile Web Design	3
WEB 141	Mobile Interface Design	3
WEB 151	Mobile Application Dev I	3
WEB 251	Mobile Application Dev II	3
	Total Credit Hours	15

Information Technology: Networking (Certificate) C25590NT

The Information Technology Networking certificate exposes students to computer networks. Students choosing this pathway will gain a practical understanding of how computer networks operate and how to administer them. Students will be expected to work hands-on with enterprise-grade hardware and software commonly utilized in business environments.

Course	Course Name	Credit Hours
CIS 110	Introduction to Computers	3
CTI 120	Network & Sec Foundation	3
NET 125	Introduction to Networks	3
NOS 120	Linux/UNIX Single User	3
SEC 110	Security Concepts	3
	Total Credit Hours	15

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
ACA 115	Success & Study Skills	1
COM 120*	Into to Interpersonal Comm	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 137	Office Applications I	3
OST 148	Med Coding billing & Insurance	3
OST 149	Medical Legal Issues	3
OST 161	Medical Office Procedures	3
OST 164	Office Editing	3
OST 263	Healthcare Customer Relations	3
OST 286	Professional Development	3
	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.

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
	Total Credit Hours	12

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
COM 120*	Introduction Interpersonal Comm.	3
CTS 130	Spreadsheet	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
	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.

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

* 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.

Physical Therapist Assistant Certificate:

Physical Therapist Assistant (Certificate) C45640T

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
COM 120*	Intro Interpersonal Com	3
ENG 111*	Writing and Inquiry	3
PSY 150*	General Psychology	3
	Total Credit Hours	16

* 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.

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