HIGH SCHOOL COURSE GUIDE
2024-2025

PORTRAIT OF A HCPS GRADUATE

COLLABORATOR
CREATOR
COMMUNICATOR
CRITICAL THINKER
LEARNER'S MINDSET

HERTFORD COUNTY PUBLIC SCHOOLS

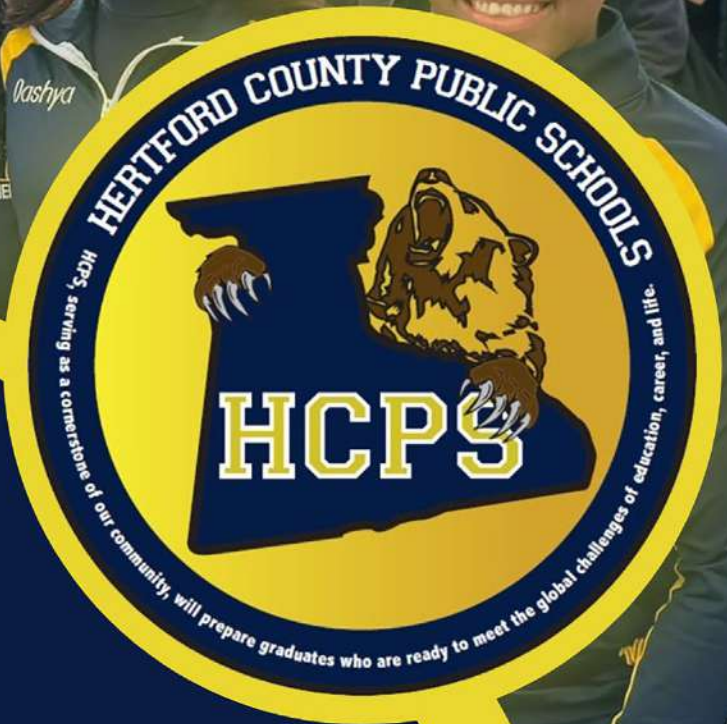HCPS, serving as a cornerstone of our community, will prepare graduates who are ready to meet the global challenges of education, career, and life.

HCPS

Message from the Superintendent

Dear Hertford County Public Schools Students and Families,

Welcome to the 2024-2025 registration process! As we begin this important step in preparing for a successful school year, I am thrilled to partner with you in ensuring every student has access to the tools, resources, and opportunities they need to excel.

I encourage you to carefully review this registration book to explore all the exciting opportunities available in Hertford County Public Schools. From academic programs to extracurricular activities, we strive to provide a variety of options that support each student's unique interests and goals.

HCPS is committed to equipping every student with the skills and knowledge needed to achieve their goals. Whether you're preparing for college, a rewarding career, or exploring your passions, we encourage you to take full advantage of the courses and programs available. Set ambitious goals, embrace challenges, and take meaningful steps toward building a bright and successful future.

With gratitude,

Jesse J. Pratt

Dr. Jesse J. Pratt, Superintendent
Hertford County Public Schools

Hertford County Public Schools does not discriminate on the basis of race, ethnic origin, gender or disability in its educational programs, activities or employment policies as required by Title IX of the 1972 Education Amendments, Section 504 of the Rehabilitation Act of 1973, and Title II of the 1990 Americans with Disabilities Act (ADA).

Hertford County Public Schools expects all employees, students and other members of the school community to conduct themselves in an appropriate manner with concern and respect for all members of the school community. Discrimination and harassment on the basis of race, sex, religion, creed, disability, national origin or language minority status will not be tolerated.

Hertford County Public Schools
PO Box 158 - 701 North Martin Street
Winton, North Carolina 27986
(252) 358 - 1761

Dr. Jesse J. Pratt, Superintendent
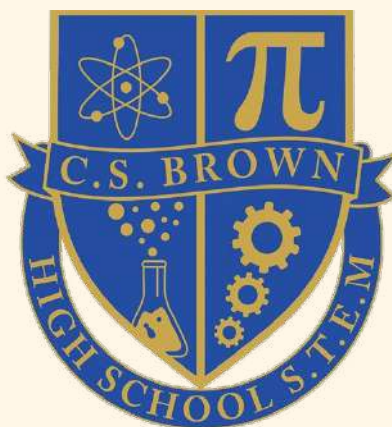**Ms. Chanel Sidbury**
Assistant Superintendent, Curriculum & Instruction

Directory of High Schools

Hertford County High School	C. S. Brown High School, STEM Program	C. S. Brown High School, STEM Program
School Website	School Website	School Website
(252) 332-4096	(252) 358-2852	(252) 332-7788
Wesley Dudley, Principal	Dr. Ronica Watford, Principal	Dr. Glasher Robinson, Principal
1500 West First Street	102 C. S. Brown Drive	109 Community College Road
Ahoskie, NC 27910	Winton, NC 27986	Ahoskie, NC 27910

Table of Contents

The 7 Key Steps for Selecting Your Courses

STEP 1: Review the chart below.
Make sure you understand the requirements to earn your high school diploma.

Graduation Requirements

Content Area	Future-Ready Core Course of Study Requirements for Ninth Graders Entering in 2012-13 & Later	Future-Ready Occupational Course of Study Requirements **for select IEP students with EOC proficiency level exemption*
English (North Carolina State Requirement)	**4 Credits required*** English I, II, III, IV	**4 Credits required** OCS English I, II, III, IV
Mathematics (North Carolina State Requirement)	**4 Credits required** NC MATH I, II, III plus, a 4th Math course aligned with student's post high school plans	**3 Credits required** OCS Introduction to Mathematics OCS MATH I OCS Financial Management
Science (North Carolina State Requirement)	**3 Credits required** A physical science course (Chemistry, Physics, **OR** Physical Science), Biology, an environmental science (Earth & Environmental Science **OR** AP Environmental Science)	**2 Credits required** OCS Applied Science OCS Biology
Social Studies (North Carolina State Requirement)	**4 Credits required** World History, American History, Economics and Personal Finance, The Founding Principles of the United States and North Carolina: Civic Literacy	**2 Credits required** *Rising 9-10th graders:* Founding Principles of United States of America and North Carolina: Civic Literacy OCS Economics and Personal Finance
Health & PE (North Carolina State Requirement)	**1 Credit required**	**1 Credit required**
Art Elective	If entering grade 9 after 7/1/2025, ONE elective with a code beginning with the numbers listed is required. **Local Electives are NOT allowed.** ☐ **Music - 52; 56 OR** ☐ **Theatre Arts - 53 OR** ☐ **Visual Arts - 54; 55**	
Computer Sci	If entering grade 9 after 7/1/2025, ONE elective is required.	

Content Area	**Future-Ready Core** Course of Study Requirements for Ninth Graders Entering in 2012-13 & Later	**Future-Ready Occupational** Course of Study Requirements ***for select IEP students with EOC proficiency level exemption*
Electives (North Carolina State Requirement)	**6 Credits required** 2 elective credits in any combination of the following: • Career and Technical Education (CTE) • Arts Education • World Languages HCPS expects for all students to complete a 4 elective credit concentration from one of the following: • Career and Technical Education (CTE) *To be a CTE concentrator, at least 2 of the 4 elective credits must be foundation courses in a career cluster with one being a Level II or complete course. The fourth elective credit can be an enhancement course within the same career cluster.* • Health / PE Education • Arts • Social Studies • Science • Mathematics • JROTC • World Languages • English	**4 Credits required** At least one credit in fine arts recommended **4 Credits CTE required** **6 Credits Occupational Preparation required** OCS Preparation I, II (2 units), III (2 units), IV 150 hours of school-based training 225 hours of community-based training 225 hours of paid employment. Elective credits/ completion of IEP objectives/Career Portfolio required
World Languages	Not required for high school graduation. ****A two-credit sequential world language minimum of the same language is required for admission to the UNC system and many other universities.**	
Total	**22 Credits**	**22 Credits**

Testing Requirements

End-of-Course (EOC)

Students taking high school courses with state-mandated EOC tests must take the test. These tests assess a student's mastery of course content. These tests will count as 20% of their final grade in the course.

Promotion Requirements

High school students shall be promoted by earning credits through successful completion of courses. Per HCPS Board Policy 3235.3, students in grades 6-8 may earn credit towards high school graduation by successfully completing courses that are described in the North Carolina Standard Course of Study for grades 9-12.:

From Grade ➜ To Grade	Credits Needed	Credit Types Required
9 ➜ 10	6	English 1
10 ➜ 11	11	English 1 & 2
11 ➜ 12	17	English 1, 2, & 3 Math 3
12 ➜ Graduate	22	English 1, 2, 3, & 4

STEP 2: Complete the course credit worksheet below using your transcript.

Talk to your school counselor and/or teachers if you need help understanding graduation requirements or reading your transcript. Your transcript is a complete record of all the high school courses you took, your grades and the credits you earned.

What is your postsecondary goal? _____

HCPS Revised 2025-2026   Future-Ready Core   **Graduation Plan 2012-Present**

Note: No course can count in more than one content area to meet the graduation requirement. *Four End-of-Course (EOC) assessments must be taken: English II, Math I, Math III, and Biology.

Content Area	Cr	Courses Completed / Mark	Notes
English *** English II EOC**	4	☐ English I _____/ ☐ English II _____/ ☐ English III _____/ ☐ English IV _____/	
Mathematics *** Math I EOC** *** Math III EOC __**	4	**ALL of these**　　　　-OR-　**Math Substitution*** *grade entry*　　　　　　*different based on ninth* ☐ Math I / _____　　☐ Math I / _____ ☐ Math II / _____　　☐ Math II / _____ ☐ Math III / _____　　☐ _____/ ___ ☐ 4th Math / _____　　☐ _____/	
Science *** Biology EOC __**	3	☐ Biology _____/ ☐ Physical Science, Chemistry, or Physics _____/ ☐ Earth Science or AP Environmental _____/	
Social Studies	4	**Entering 9th graders 2021-22 and Beyond** ☐ World History _____/ ☐ American History _____/ ☐ Founding Principles of the USA and NC: Civic Literacy _____/ ☐ Economics and Personal Finance _____/ **Entering 9th graders 2020-21** ☐ World History / _____ **OR** AP World Modern / _____ **An American History Course: (choose one)** ☐ American History I / _____ ☐ American History II/ ___ ☐ American History / _____ **A Founding Principle Course: (choose one)** ☐ Founding Principles, Civics & Economics / ____ ☐ Founding Principles of the USA and NC: Civic Literacy / ____ ☐ Economics and Personal Finance	
Health & PE	1	☐ Healthful Living ____	
CPR certification	P	Date Passed	
Art Elective	1	If entering grade 9 after 7/1/2025, ONE elective with a code beginning with the numbers listed below is required. Local Electives are NOT allowed. ☐ Music - 52; 56 OR ☐ Theatre Arts - 53 OR ☐ Visual Arts - 54; 55 ☐ _____/	
Computer Science Elective	1	If entering grade 9 after 7/1/2024, ONE Computer Science elective is required.	

Content Area	Cr	Courses Completed / Mark	Notes
2 Elective Credits Required Any combination of Arts, CTE, or World Language	2	**Arts:** ☐ _____ / ☐ _____ / **CTE:** ☐ _____ / ☐ _____ / **World Language:** ☐ _____ / ☐ _____ / *(World Language not required for high school graduation; may be required for admission to a 4-year college*	
Elective Concentration Arts	CTE English Health/PE	JROTC Science	Social Studies	Mathematics World Language	4	☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ /	
General Electives	4	☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ / ☐ _____ /	
TOTAL CREDITS **General Diploma Application** **Completed** _____ **Approved** _____	22*	# HS Credits earned: ____ # MS Credits earned: _____ # Credits in progress: _____ #Total credits possible if all courses in progress are passed ___	# Credits still needed: _____ Credits still needed include the above in-progress courses, plus any additional credits to 22 for General Diploma

STEP 3: Be sure you understand your options for rigorous courses.

Courses can be offered on standard, honors, or College course levels. As a general guideline, HCPS encourages you to take the most challenging courses and levels that you can successfully complete. You and your parent/guardian should use a variety of data to help you make course and level decisions. This data includes your postsecondary goals, your work ethic, your grades, and your reading level

STEP 4: Meet with your school counselor.

Meet with your school counselor to review your progress towards graduation and determine which course selections will help you meet your post secondary goals.

STEP 5: Complete your school's registration form and return it with your parent's signature by the due date as indicated on the form.

Be sure that you request the courses you really want to take! Schools plan their master schedules based on their students' requests; therefore, it is unlikely you will be able to make changes to your course selections and/or schedule after the school year begins.

STEP 6: Review your course selections and final schedule.

Review your course selections and final schedule when you receive them from your school. Make sure your schedule includes the required courses you need for graduation, the correct levels of each course, and the levels match your interests and post secondary goals.

STEP 7: Change any courses before the first day of school.

If you need to change any of the courses on your schedule, be sure to do so before the first day of school. High schools set aside schedule change sessions before the beginning of the school year. If you need a schedule change, be sure to attend one of these sessions.

Schools must honor these requests from seniors:
- Requests for courses you need for graduation and post secondary options
- Requests for courses you need based on earning summer school credit(s)
- Requests for courses you need to complete a CTE cluster or other area of concentration

Schools will not honor requests for:
- Specific teachers
- Specific periods
- Specific semesters Pending space availability, your school may or may not be able to honor requests for different electives.

Information About Learning Opportunities

Diploma Endorsements

Students may earn the following endorsements as additional recognitions to their high school diploma.

**Students may earn more than one endorsement.

North Carolina Academic Scholars Endorsement
Students who wish to earn recognition as a North Carolina Scholar must successfully complete these requirements:

- **All Future Ready Core course requirements**
  - A fourth mathematics course that has MATH III as a prerequisite
  - A Chemistry or Physics course (to meet the physical science requirement)
  - Two credits of the same World Language (other than English)
  - The student shall complete four elective credits constituting a concentration recommended from one of
  - the following: Career and Technical Education (CTE), JROTC, Arts Education, World Languages, any other subject area.
  - The student shall have taken three higher level courses during junior and/or senior years which carry
  - quality points such as: Dual or college equivalent courses; Advanced CTE and CTE credentialing courses; Honors level courses.
  - In addition, North Carolina scholars must earn an overall four-year unweighted grade point average of 3.5.

College/UNC Endorsement
Students who wish to earn the College/UNC Endorsement must successfully complete these requirements:

- **All Future Ready Core course requirements**
  - A fourth mathematics course that has MATH III as a prerequisite
  - A Chemistry or Physics course (to meet the physical science requirement)
  - Two consecutive credits of the same World Language
  - Earn an overall four-year weighted grade point average of 2.5
  - Earn at least the benchmark reading score established by a nationally norm-referenced college admissions test (currently ACT= 22 and SAT = 480)

College Endorsement
Students who wish to earn the College Endorsement must successfully complete these requirements:

- **All Future Ready Core course requirements**
  - In addition to MATH I, MATH II, and MATH III, the student must successfully complete a fourth mathematics course aligned with the student's postsecondary plans. The fourth math course must meet University of North Carolina system Minimum Admission Requirements or be acceptable for earning placement in a credit-bearing college math class under the North Carolina Community College System's Multiple Measures Placement policy.
  - Earn an overall four-year unweighted grade point average of 2.6
  - Earn at least the benchmark reading score established by a nationally norm-referenced college admissions test (currently ACT= 22 and SAT = 480)

Students should also talk to their school counselors about creating a resume of extracurricular activities, taking national tests such as the ACT or SAT, writing a compelling personal statement, and seeking appropriate recommendations from school personnel such as teachers or school counselors.

Entrance requirements vary among colleges and universities. Students who wish to attend private colleges or universities should be sure they understand entrance requirements specific to the college/university of their choice.

Global Languages Endorsement
The student shall earn a combined 2.5 GPA for the four English Language Arts courses required for graduation.
The student shall establish proficiency in one or more languages in addition to English using one of the following options:

- Pass an external exam approved by the North Carolina Department of Public Instruction establishing "Intermediate Low" proficiency or higher per the American Council on the Teaching of Foreign Languages (ACTFL) proficiency scale
- Complete a four-course sequence of study in the same world language, earning an overall GPA of 2.5 or above in those courses
- Establish "Intermediate Low" proficiency or higher per the ACTFL proficiency scale using the Credit by Demonstrated Mastery policy described in GCS-M-001

Career Endorsement
- The student shall earn an unweighted grade point average of at least 2.6.
- Except as limited by N.C.G.S. §115C-81(b), the student shall complete a mathematics sequence of MATH I, MATH II, MATH III, and a fourth math course including applied math courses found in the Career and Technical Education (CTE) domain.
- The student shall complete a CTE concentration in one of the approved CTE Cluster areas (https://www.dpi.nc.gov/districts-schools/classroom-resources/career-and-technical-education/program-areas).
- The student shall earn at least one industry-recognized credential. Earned credentials can include Career Readiness Certificates (CRC) at the Silver level or above from WorkKeys assessments OR another appropriate industry credential/certification.
- Earn at least the benchmark reading score established by a nationally norm-referenced college admissions test (currently ACT= 22 and SAT = 480)

The University of North Carolina System Admission

Minimum Course Requirements:
- Four credits in English
- Four credits in Math, including a fourth mathematics course that has MATH III as a prerequisite
- A life science course such as Biology
- A physical science course such as Chemistry, Physical Science, or Physics
- At least one science that is considered a laboratory course
- Two credits in social studies, including one credit in US History
- Two credits of the same World Language

*There are also minimum GPA and SAT/ACT score requirements

 Students should also talk to their school counselors about creating a resume of extracurricular activities, taking national tests such as the ACT or SAT, writing a compelling personal statement, and seeking appropriate recommendations from school personnel such as teachers or school counselors.

Entrance requirements vary among colleges and universities. Students who wish to attend private colleges or universities should be sure they understand entrance requirements specific to the college/university of their choice.

eLearning Opportunities (Online Courses)

Online courses provide students with these opportunities:

- Flexible scheduling
- Individualized pacing
- Opportunity to earn high school credit
- Opportunity to enroll in courses not offered in your high school

Hertford County Public Schools partners with NCVPS and other approved online vendors to provide eLearning Opportunities. NCVPS awards high school course credits to students who successfully complete core courses and/or honors courses. Students may use NCVPS courses to meet high school graduation requirements or enhance transcripts for college applications.

Based on HCPS Policy 3102, Online Instruction (e-Learning), enrollment in these courses requires the approval of the school principal, the school counselor, and the student's legal guardian. Please contact your school counselor for more information. Students and their parents should read and discuss the HCPS eLearning Handbook, sign the online learning contract and return it to their school counselor prior to enrolling in an online course.

Career and College Promise through Roanoke Chowan Community College

Hertford County Public Schools high school students who meet eligibility requirements have the opportunity to enroll in community college courses that provide pathways leading to a credential, certificate, diploma, or a degree. Career and College Promise offers three pathways: Career and Technical Education, College Transfer, and Cooperative Innovative High Schools Program. Students are given the opportunity to earn college credit completely transferable to all UNC System Institutions and many of North Carolina's Independent Colleges and Universities. Contact your school counselor or Career Development coordinator or go to: add website

NC School of Science and Mathematics

The Open Enrollment program allows NC Public high school students to take tuition-free, honors level and AP NCSSM courses via interactive video conferencing. These courses make it possible for students to take advanced courses in STEM and humanities subjects while remaining at their home schools. Contact your school counselor for more information.

Hertford County Public Schools' Academic Policies

Grading Scale and Weights

Beginning with the 2015-2016 school year, the North Carolina State Board of Education required all school districts to implement a new grading scale. This new scale applies to middle schools and high schools and changes the way letter grades are assigned. It also changes how grade point averages (GPAs) are calculated for high school students.

	Course Average	GPA
A	90% to 100%	4.0 GPA
B	80% to 89%	3.0 GPA
C	70% to 79%	2.0 GPA
D	60% to 69%	1.0 GPA
F	Less than 60%	0.0 GPA

Credit by Demonstrated Mastery (CDM)

What is CDM?
- CDM is a process by which a student may earn credit for a high school course by demonstrating a deep understanding of the content, without course enrollment or seat time.
- CDM is a multi-phased process that includes a written examination and a product.
- CDM is a way for highly advanced learners to benefit from subject-level acceleration.

Who is eligible?
- Any NC public school student who is able to show a deep understanding of the content without seat-time and classroom learning experience.
- Highly advanced students of the specific content; not intended initially for the masses
- Student does not need to be identified as AIG

Contact your school for more information, or visit HCPS Credit by Demonstrated Mastery for the three CDM windows each year, as well as a student application. Here is a link for more information: Credit by Demonstrated Mastery

Academic Integrity (Reference: Hertford County Public Schools Board Policy 3110)

Hertford County Public Schools expects all students to practice honesty, trust, fairness, respect, and responsibility. Students must maintain high academic standards by obeying their school's honor code. The honor code will include specific expectations for academic integrity and consequences for plagiarism and cheating. Students must also adhere to Hertford County Public Schools' Acceptable Use Policy for computers and electronic media.

Monitor your child's academic progress
Use the PowerSchool Parent Portal to keep track of your child's grades and attendance. Help your child learn to monitor PowerSchool to check for missing and late assignments.

Information about High School Courses
Students earn one unit of credit for each successfully completed course. There are some courses that require a double period or full year to complete, while there are others that may require you to take two nine-week courses for one credit. You will find this information listed with the prerequisites. Students receive additional credits for these courses as noted.

All courses use the NC approved Standard Course of Study. The 4X4 block schedule gives students the opportunity to take more than one course in a year in any content area. Important information about content areas is outlined at the beginning of each section.

Honors courses require students to demonstrate a high level of academic rigor, manage complex assignments, and move at a faster pace.

School-specific Course Offerings

See each school's registration process for school-specific courses.

Grade Replacement

In 2021, the HCPS School Board amended policy 4320 to allow students to retake high school courses for the opportunity to earn a higher grade. Any high school credit course that a student takes in middle school is eligible for grade replacement. Students are allowed to retake any course that is on the high school transcript for which they earn a "C" (79 and below). Students must retake the exact same course to qualify. The grade will only be replaced if the second attempt is higher than the original grade. Students should see their school counselor or administrator for more information.

Course Offerings

Required English Courses

English I (10212) Honors English I (10215) | *Prerequisite: None*
English I students will study literature; informational texts; poetry; drama; biographical works; influential documents of historical and literary significance and art from all genres to gain knowledge of global cultures, diverse identities, current events and themselves. They will gain the reading and writing skills necessary to write, analyze and evaluate detailed texts. By the end of English I, students are expected to read and understand increasingly complex texts at the upper end of the ninth grade reading range.

English II (10222) Honors English II (10225) | *Prerequisite: English I*
English II students will study literature; informational texts; poetry; drama; biographical works; influential documents of historical and literary significance; and art from varied communities and identities. Texts include selections from the Americas (Caribbean, Central, South, and North), Africa, Eastern Europe, Asia, Oceania, and the Middle East to guide students as they develop an understanding of world cultures, contemporary issues, and their world. They will fine tune the reading and writing skills necessary to write, analyze and evaluate detailed arguments. By the end of English II, students are expected to read and understand increasingly complex texts at the upper end of the tenth grade reading range. ***Note:*** Students in this course must take the End-of-Course test for English II.

English III (10232) Honors English III (10235) | *Prerequisite: English II*

English III students will study literature; historical documents; informational texts; poetry; drama; biographical works; and art to deepen their understanding of the intertwined influences of history, literature, and culture. Students will read and write to interrogate both classic and contemporary texts for their treatment of individuals, peoples, power, and identity. Students will build the complex literacy skills necessary to compile information from sources into meaningful and well written original texts. By the end of English III, students are expected to read and understand increasingly complex texts at the high end of the 11th grade reading range. *AP Language & Composition may also be used to fulfill the English III graduation requirement.*

English IV (10242) Honors English IV (10245) | *Prerequisite: English III*

English IV students will study literature; historical documents; informational texts; poetry; drama; biographical works; influential documents of historical and literary significance; and art from people, communities and cultures around the globe. By exploring works of colonized peoples and colonizers through critical discourse analysis, students will master the complex literacy skills necessary to gather and evaluate information for use in their own argument, narrative, and informational writing. By the end of English IV, students are expected to read and understand increasingly complex texts at the upper end of the twelfth grade reading range.

English Elective Courses
*Elective offerings may vary by school.

Yearbook Journalism I (10252) Yearbook Journalism I Honors(10255) | *Prerequisite: None*

As a member of the Yearbook staff, students learn to write and edit copy and captions, design layouts, take pictures, and develop themes. They will learn to use PageMaker or an alternative vendor software program for layout.

English as a Second Language (10382X0) |

This course is designed for students who are not yet proficient in the English Language. These courses do not satisfy the required English courses for graduation.

Required Mathematics Courses

Advanced Courses in Mathematics Legislation ; NCGS § 115C-81.36

North Carolina G.S. 115C-81.36 directs that all local education agencies provide:

- advanced math services for any student in grades 3 – 5 who scored at the highest level (Score of 5) on the end-of-grade test in mathematics
- any student scoring at the highest level (Score of 5) on the end-of-grade or end-of-course test for the mathematics course in which the student was most recently enrolled shall be enrolled in the advanced course for the next mathematics course in which the student is enrolled.

The legislation also stipulates that "No student who qualifies under this subsection shall be removed from the advanced or high school mathematics course in which the student is enrolled unless a parent or guardian of the student provides written consent for the student to be excluded or removed from that course after being adequately informed that the student's placement was determined by the student's achievement on the previous end-of-grade or end-of-course test." (G.S.115C-81.36 (b)).

Possible Mathematics Course Sequences

■ Students may move from one sequence to another as their needs change.
■ Courses marked with an * meet the UNC fourth course requirement for admission.

	Course 1	Course 2	Course 3
OCS	**Introduction to Mathematics**	**Math 1**	**Financial Management**

Standard Course of Study

Introductory Mathematics (20202) | *Prerequisite – None*
Recommended for some students prior, but in the same school year as, to NC Math 1. Students learn basic skills and concepts that are prerequisites for success in high school mathematics, such as basic statistics, computation, and algebraic manipulation. Instruction is provided in building fluency and mathematical representations such as graphing.

Foundations of Math 1 (20902) | *Prerequisite – None*
Recommended for some students prior, but in the same school year as, to NC Math 1. Students will accelerate their learning of mathematics concepts that are addressed in NC Math 1 by previewing content with more time to support student success.

NC Math 1 (21092) / Honors Math 1 (21095) | *Prerequisite – None*
This rigorous course is designed to formalize and extend the mathematics learned in the middle grades. Students will deepen and extend understanding of linear relationships, by contrasting them with exponential and quadratic relationships, and by applying linear models to data that exhibit a linear trend. NC Math 1 uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. Culminating units of study tie together the algebraic and geometric ideas studied and also provide students opportunities to have experiences with more formal means of assessing how a model fits data. Students use regression techniques to describe approximately linear relationships between two quantities. They further use graphical representations and knowledge of the context to make judgments about the appropriateness of the linear models. Appropriate technology, such as calculators, will be used regularly for instruction and assessment. Must be taken by the end of Grade 10.
Note: Students in this course must take the End-of-Course test for NC Math 1.

NC Math 2 (22092) / Honors NC Math 2 (22095) | *Prerequisite: NC Math 1/Honors NC Math 1*
This rigorous course focuses on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential functions as a continuing study from NC Math 1. The need for extending the set of rational numbers arises, and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through the Pythagorean relationships. Circles, with their quadratic algebraic representations, complete the course. Appropriate technology, such as calculators, will be used regularly for instruction and assessment.

Foundations of Math 3 (20922) | *Prerequisite – NC Math 2*

Recommended for some students prior, but in the same school year as, to NC Math 3. Students will preview key NC Math 3 topics while reinforcing proficiency of NC Math 2 concepts.

NC Math 3 (23092) / Honors NC Math 3 (23095) | *Prerequisite – NC Math 2/Honors NC Math 2*

This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include general triangles and in the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Appropriate technology, such as calculators, will be used regularly for instruction and assessment. ***Note:*** Students in this course must take the End-of-Course test for NC Math 3.

NC Math 4 (24092) / Honors NC Math 4 (24095) | *Prerequisite – NC Math 3/Honors NC Math 3*

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

Required Science Courses

SCIENCE	■ Students earn 1 unit of credit for each successfully completed course. All courses use the NC Standard Course of Study. ■ Biology must be completed by the end of the 11th grade year. ■ Honors courses require students to demonstrate greater rigor, manage greater complexity, and move at a faster pace. Honors courses are weighted + 0.5 in the calculation of GPA.
Possible Science Course Sequences	Students may move from one sequence to another as their needs change. Students who want to pursue careers in the sciences should take additional courses in their area of interest.

Earth & Environmental Science (35012) Honors & Earth & Environmental Science (35015) | *Prerequisite – None*

This course investigates the four main branches of earth science: geology, meteorology, astronomy, and oceanography. Students learn about the interrelationships among living organisms and their physical environment through laboratory activities and fieldwork. Students study how humans impact their environment and how the environment influences human life. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems.

*AP Environmental Science may also be used to fulfill the environmental science graduation requirement.

Biology (33202) / Honors Biology (33205) | *9th-11th graders only*
Prerequisite – Honors level students in 9th grade should meet the criteria as outlined in the HCPS Family Guide for Equitable Placement)
Students survey the history and development of biology including an introduction to biochemistry, cellular biology, genetics, heredity, evolution, and ecosystems. Students will engage in laboratory activities to develop process and problem solving skills. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems. *Must be taken by the end of Grade 11.* **Note:** Students in this course must take the End-of-Course test for Biology

*One of the following physical science courses is required: *<u>offerings may vary by school.</u>*

Physical Science (34102) | *All students in grades 10-12 are eligible for this course*
This course is a quantitative study of matter and energy and their interactions. Topics include mechanics, light, heat, electricity, magnetism, sound, and radiation, as well as a study of the chemical structure and composition of matter. Students will be responsible for laboratory activities and will need to be able to use mathematical formulas and equations. *This course is not available at the honors level.*

Chemistry (34202) or Honors Chemistry (34205) | *Prerequisites – NC Math 2: concurrent enrollment in NC Math 3 is recommended for honors level.*
Students study a variety of chemistry topics including chemical equations and reactions; stoichiometry; the periodic table, atomic theory, molecular chemistry, kinetic theory, gas laws, solutions, and acid-base behavior. Students will use their mathematics and problem solving skills to complete laboratory activities. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems.

Elective Biology Courses
*Elective offerings may vary by school.

Anatomy and Physiology (33302) or Honors Anatomy and Physiology (33305) | *Prerequisite – Biology and Chemistry*
This course focuses on the structures and functions of the human body. To help students understand the relationship of anatomical structures, they may participate in animal dissections as part of this course. This is an excellent course for students interested in health field careers. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems.

Forensic Science (HL102) or Honors Forensic Science (HL105) | *Prerequisites – Biology and NC Math 2*
Forensic science is the application of scientific methods to criminal investigations and the criminal justice system. Students will learn how crime scenes are investigated including the use of trace evidence, fingerprints, DNA, and methods for determining the time of death. The course will also include an overview of forensic anthropology, documentation analysis, forensic psychology, and other crime and lab detection methods.

BIO275 Microbiology (3C165) | *Prerequisites – Biology and Chemistry*
This course is an advanced inquiry based science elective including an in-depth and lab-focused review of molecular biology and microbiology principles beyond the scope of Biology I. Topics include DNA, protein synthesis, genetics, microscopy, disease, and biotechnology.

Marine Science (3535) [Marine Science: Secrets of the Blue v2.0] | *Prerequisite – Biology*
Students learn about the world's oceans and their inhabitants. The students will review some basic biological and ecological concepts before learning about the general aspects of marine biology including the physical and chemical properties of the oceans that make different marine zones and communities possible. Students will also survey marine organism diversity, explore the relationships between humans and the sea, and learn about careers in marine science.

Elective Physical Science Courses *Elective offerings may vary by school. PHY110 Conceptual Physics (3C115) | *Prerequisite – NC Math 3 (or concurrent)*
Successful completion of this course satisfies the physical science graduation requirement.
Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. Students are expected to take the AP exam in May.

CHM 151 General Chemistry I (3C085) | *Prerequisite – Chemistry*
Modeled after freshman college chemistry, this course includes in-depth treatment of molecular structure, reaction kinetics, thermodynamics, and equilibrium. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems.

Required Social Studies Courses

World History (43032) / Honors World History (43035) | *Prerequisite – None*
The course is intended to examine the historical development of the world and global issues and patterns since 1200. As students examine the historical roots of significant events, ideas, movements, and phenomena, they encounter the contributions and patterns of civilizations of the past and societies around the world. They broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.
*AP World: Modern may also be used to fulfill the world history graduation requirement.

American History (43112) / Honors American History (43115) | *Prerequisite – None*
The American History course will begin with the end of the French and Indian War (1763) and end through the latest Presidential Election (i.e. 2020, 2024, etc.). The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the U.S. in an interconnected world.

Founding Principles of the United States of America and North Carolina: Civic Literacy (43182)/ Honors Founding Principles of the United States of America and North Carolina: Civic Literacy (43185) | *Prerequisite – None*
This course teaches the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. It provides a framework for understanding the basic tenets of N.C. and American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship, and will build upon the application of the Founding Principles as identified by N.C. Session Law 2019-82, House Bill 924.
*AP U.S. Government and Politics may also be used to fulfill the Founding Principles of the US and NC: Civic Literacy graduation requirement.

Economics and Personal Finance (43192) / Honors Economics and Personal Finance (43195) |
Prerequisite – None
The Economics and Personal Finance (EPF) course is intended to be a study of economics, personal finance, income and education, money management, critical consumerism, and financial planning. This course has been legislated by N.C. Session Law 2019-82, House Bill 924.

Social Studies Electives
*Elective offerings may vary by school.

African American Studies (46012) Honors African American Studies (46015) | *Prerequisite – None*
This course is designed to emphasize the significant contributions made by African Americans to the economic, political, social, and cultural development of the United States. Through this course, students discover how African Americans have always been an integral part of the American experience. African American history is taught within the broader context of United States history.

American Indian Studies (46022) / Honors American Indian Studies (46025) | *Prerequisite – None*
This course is designed to emphasize the significant contributions made by American Indian to the economic, political, social, and cultural development of the United States. Through this course, students discover how American Indian have always been an integral part of the American experience. American Indian history is taught within the broader context of United States history.

Latin American Studies (46032) / Honors Latin American Studies (46035) | *Prerequisite – None*
This course is designed to emphasize the significant contributions made by Latin Americans to the economic, political, social, and cultural development of the United States. Through this course, students discover how Latin-Americans have always been an integral part of the American experience. Latin American history is taught within the broader context of United States history.

Additional Language Courses
*Courses available virtually

Latin I (12412) | *Prerequisite – Students enrolled in this course should have passed English/ELA with a "C" or above*
Latin I is an introduction to the study of the Latin language and Greco-Roman culture. Students will learn basic functions of the language, become familiar with some elements of Greco-Roman culture and increase their understanding of English vocabulary and grammar. Students will learn to read and understand adapted Latin texts. Students will learn on the Novice Low & Novice Mid-Levels of language proficiency according to the North Carolina World Language Essential Standards.

Latin II (12422) | *Prerequisite – Latin I or Proficiency Assessment Results*
This course continues the study of the Latin language and Greco- Roman culture. Through continued reading of adapted Latin texts, students learn more complex grammar and syntax, gain a greater understanding of the culture, and continue to gain insight into English vocabulary and grammar. Students will learn on the Novice Mid & High levels of language proficiency according to the North Carolina World Language Essential Standards.

Honors Latin III (12435) | *Prerequisite – Latin II or Proficiency Assessment Results*
This course focuses on advanced Latin grammar and introduces students to Latin literature through authentic Latin texts. Students also examine the interrelationships between Greco-Roman cultures

and their own culture and continue to gain insight into English grammar and vocabulary. Students will learn on the Novice High & Intermediate Low levels of language proficiency according to the North Carolina Essential Standards.

Honors Latin IV (12445) | *Prerequisite – Honors Latin III or Proficiency Assessment Results*
A major focus of Latin IV is on reading authentic Latin texts, including selections from Caesar and Vergil in preparation for AP Latin. It also includes a more in-depth study of grammar and literature. Students will study figures of speech to analyze what they read, write essays, and study the influence of Greco-Roman culture throughout the world. Students will learn on the Intermediate Low & Intermediate Mid-levels of language proficiency according to the North Carolina World Language Essential Standards.

Honors Latin V (12455) | *Prerequisite – Honors Latin IV or Proficiency Assessment Results*
A major focus of Latin V is on reading authentic Latin texts which includes a more in-depth study of literature and grammar. Students will study figures of speech, analyze what they read, write essays, create a comprehensive project, and study the influence of Greco-Roman culture throughout the world. Students will learn on the Intermediate Mid & Intermediate High Levels of language proficiency according to the North Carolina World Language Essential Standards.

American Sign Language I (12812) | *Prerequisite – None*
This course introduces students to the study of American Sign Language and its Deaf culture. The emphasis is placed on the development of the three skills of expressive, receptive, and written language within a given context that focuses on the students' lives and experiences. Grammar is integrated throughout the course, and there is a general introduction to Deaf cultural norms. Students will learn on the Novice Mid level of exit language proficiency according to the North Carolina World Language Essential Standards.

American Sign Language II (12822) *Prerequisite – ASL I or Proficiency Assessment Results*
Students continue to develop their expressive, receptive, and written language skills by participating in simple conversational situations and combining and recombining learned elements of the language. They are able to satisfy basic survival needs, and interact on issues of everyday life in the present and the past. They compose related sentences which narrate, describe, compare and summarize familiar topics. Students will learn on the Novice High level of language proficiency according to the North Carolina World Language Essential Standards.

Honors American Sign Language III (12835) *Prerequisite – ASL II or Proficiency Assessment Results*
Students expand their expressive, receptive, and written language skills as they create with the language. They study short literary texts and authentic materials, initiate and maintain face-to-face communication, and identify main ideas and significant details in discussions, presentations: and written texts in present, past, and future time. They demonstrate behaviors appropriate to the target culture by applying their knowledge and skills inside and outside of the classroom setting. Students will learn on the Intermediate Low level of language proficiency according to the North Carolina World Language Essential Standards.

Honors American Sign Language IV (12845) | *Prerequisite – ASL III or Proficiency Assessment Results*
Students communicate in extended conversations on a variety of topics. They will study short stories, poetry, and excerpts from various periods of literature, current events: and authentic materials. Mastery of the finer points of grammar enhances and expands expressive and receptive communication. There is more in-depth study of the target culture and its influence throughout the world. Students will learn on the Intermediate Mid Level of language proficiency according to the North Carolina World Language Essential Standards.

Required Health & PE Courses

Health/Physical Education | *Prerequisite – None*
The health component of this course teaches students the habits and practices that will help them maintain a healthy lifestyle now and in the future. Topics include: stress management, substance abuse, nutrition, weight management, self-protection, and relationships. Students also learn how to avoid serious health risks, manage their own behavior, and build self-esteem. Sex education stresses the benefits of abstinence until marriage, the importance of avoiding out-of-wedlock pregnancy, and the need to prevent sexually-transmitted diseases. The physical education component includes personal fitness, recreational dance, game and sport skills, and gymnastics. Students must dress out and participate actively if they are to acquire a better understanding of and appreciation for the importance of lifetime fitness. Physical Education teachers will administer fitness testing.

Elective Health & PE Courses

Combination Sports | *Prerequisite – Physical Education I*
(This course may not be repeated for credit.)
This course focuses on physical conditioning; self-testing exercises; officiating, and assuming responsibility for organizing and directing activities. Individual, dual, and team sports depend on the availability of facilities, equipment, and staff at each school.

General Physical Conditioning/Fitness I | *Prerequisite –Physical Education I*
(Course may not be repeated for credit.)
This course is designed to develop and test strength, endurance, speed, agility, and flexibility. Students will gain self-confidence as they participate in calisthenics, running, weight training, plyometrics, and stretching.

Weight Training | *Prerequisite – General Physical Conditioning/Fitness I*
(Course may not be repeated for credit.)
This course is designed to develop and maintain higher levels of physical strength and conditioning. Students participate in weight training, strength assessment, aerobic testing, and exercise routines.

Advanced Weight Training | *– Prerequisite: Weight Training*
(This course may not be repeated for credit.)
This course is designed to develop maximum muscular strength. Students participate in a variety of weight lifting routines to build bulk and light sprint work to stay fit. Students will monitor their weight and muscular gains quarterly.

Advanced Physical Conditioning | *Prerequisite – Advanced Weight Training*
(Course may be repeated for one unit of credit.)
This course is designed to develop maximum muscular strength. Students participate in a variety of weight lifting routines to build bulk and light sprint work to stay fit. Students will monitor their weight and muscular gains quarterly. Athletes are encouraged to sign up for the advanced classes.

NC Arts Education

The NC Arts Education Essential Standards reflect four levels of proficiency for high school courses for credit. Arts Education no longer has a numerical sequence of courses due to the new organization by proficiency levels. Mastery of the standards for each proficiency level is the criteria for advancement. Therefore, students may repeat courses for credit within a given proficiency level before moving to the next level. Students who take coursework at the Proficient or Advanced levels enter those studies having completed a minimum of 270-300 hours of instruction within that arts discipline (dance, music, theatre arts, or visual arts). Proficient or Advanced level courses include Honors, AP, and/or IB courses.

High School Arts Proficiency Levels

Beginning
Standards are for students with no or limited K-8 progression in the arts education discipline (dance, music, theatre arts, or visual arts).

Intermediate
Standards are for students who have had a complete K-8 progression or who have achieved beginning level standards in the discipline at the high school level.

Proficient
Standards are for students who have achieved intermediate level standards in the discipline at the high school level.

Advanced
Standards are for students who have achieved proficient level standards in the discipline at the high school level.

Visual Arts

Visual Arts (Beginning) 5415 | *Prerequisite – None*
Students will experience 2D media, such as drawing, painting, and design, and basic 3D media. Using the elements of art and principles of design, they will complete technique assignments and create their own work. Students will learn to analyze visual images, critique their own artwork and the artwork of others, and write short essays about a variety of visual art topics while studying the basics of Art History.

Visual Arts (Intermediate) 5416 | *Prerequisite – Mastery of Beginning Visual Arts*
Students will learn to use more sophisticated techniques as they complete projects using 2D and 3D media. Assigned projects will develop the artistic problem solving abilities of the students and call upon them to use their design skills with greater inventiveness. Written work focuses on art criticism, topics in art history, and aesthetic awareness.

Visual Arts (Proficient) [Honors] 5417 | *Prerequisite – Mastery of Intermediate Visual Arts*
Students will begin building a portfolio of their work using a variety of media. In building a portfolio students create work that demonstrates their increasing command of the elements of art and design principles and conveys a clear sense of their developing personal style. Students will continue their study of art appreciation, criticism, and aesthetics. Students will also study individual artists with the goal of analyzing how they reflect the historical conditions and arts trends of their time.

Visual Arts (Advanced) [Honors] 5418 | *Prerequisite – Mastery of Proficient Visual Arts*
Students will work to assemble a high quality portfolio suitable for submission as part of an art school application. Students will refine their artistic problem solving skills using a variety of media and techniques as they create 20 high quality works by the end of the class. Students will also continue their study of contemporary art and should expect to spend time outside of class working on their portfolios and completing written assignments.

Performing Arts Courses

Special Notes for Performing Arts Students:

Performing Arts students must attend rehearsals and performances, which may be scheduled before or after school and on weekends. Students must participate in all performances and wear costumes as required. For schools on a block schedule, performing arts students will benefit from studying their art form both semesters in order to maintain their technical skills and progress to more proficient levels.

Theatre Arts

Theatre Arts (Beginning) 5315 | *Prerequisite – None*
Students will experience creative dramatics, mime, reader's theater, interpretive movement, and oral interpretation as they explore the actor's craft. In addition, they will learn how directing, theatre history, and theatre management contribute to a stage production. Behind the scenes, students explore how costumes, makeup, props, and scenery along with special effects, lighting, and sound bring magic to the stage.

Theatre Arts (Intermediate) 5316 | *Prerequisite – Mastery of Beginning Theatre Arts and audition with the teacher*
This course further develops the skills and vocabulary learned in Beginning Theatre. Through classroom scene work and the study of acting techniques in different historical periods, students will refine their acting skills. Participating in ensemble acting and student directed opportunities to portray a variety of roles. Students will learn how to critique their own and others' performances and will continue learning about technical theatre and theatre management. They will perform scene work and original work.

Theatre Arts (Proficient) [Honors] 5317 | *Prerequisites – Mastery of Intermediate Theatre Arts, classification as a junior or a senior, and placement audition with the teacher*
The focus of this class is on learning how to direct. Once students select their scene, they will analyze the script, audition actors from among their classmates, plan rehearsals, make decisions about blocking, and develop a plan for set and lighting design. Each student directed scene will be showcased for a live audience. This course involves in-depth application of theater arts knowledge, skills, and processes. Students will study a variety of playwrights and different historical periods.

Theatre Arts (Advanced) [Honors] 5318 | *Prerequisite – Mastery of Proficient Theatre Arts and audition with the teacher*

These advanced acting ensembles focus on student-created productions which include writing scripts, acting in each other's productions, developing the assigned characters, learning advanced movement techniques, and overseeing all aspects of their productions. Students will continue their study of the different styles of theater, film and television and learn more about the business of professional acting. Students continue to refine adapting works from different historical periods, and researching different acting styles. Students will have opportunities to prepare a performance for competition and/or for a showcase. Students function as a performance and production ensemble.

Technical Theatre

Theatre Arts Specialization (Beginning) 5361: Beginning Technical Theatre | *Prerequisite – None*
In this hands-on course, students study current trends in technical theatre and learn how to design lighting, sound, sets, props, and costumes. Some time outside of class is required for school related productions.

Theatre Arts Specialization (Intermediate) 5362: Intermediate Technical Theatre | *Prerequisite – Mastery of Beginning Technical Theatre*
Students refine Beginning Technical Theatre skills and perform in leadership positions on production crews, which will require time outside of class.

Theatre Arts Specialization (Proficient) [Honors] 5362: Proficient Technical Theatre [Honors] | *Prerequisite –Mastery of Intermediate Theatre Arts or 90 hours after school crew work or teacher recommendation*
Students refine their skills with lighting and sound, sets, props, and costumes. They will select one of these crew fields to be their specialization. Participation on a tech crew requires time outside of class.

Theatre Arts Specialization (Advanced) [Honors] 5362: Advanced Technical Theatre [Honors] | *Prerequisites – Mastery of Proficient Theatre Arts, teacher recommendation for Crew Chief position*
Students will specialize in a crew/designer position and will be responsible for all the duties of their position for the entire production season. Students will demonstrate increased leadership, inventiveness in solving problems and creating designs responsive to the artistic vision of the director. Participation on a tech crew requires time outside of class.

General Music

Music Specialization (Beginning) 5216: Adventures in Listening | *Prerequisite – None*
Students get an overview of music from the Renaissance through today's top hits. They will increase their knowledge and understanding of composers, musical styles, and music theory as they listen and analyze a variety of musical styles. This course will be valuable to students who have musical training and to students who do not.

Music Specialization (Intermediate) 5217: Music Theory/History | *Prerequisite – Prior musical experience*
Music Theory explores advanced topics including ear training; rhythmic, harmonic and melodic dictation; four-part writing; sight singing; advanced rhythmic training; active listening; score study; and music history. Students with prior musical training will benefit from this opportunity to become more knowledgeable musicians.

Band

Music Specialization (Beginning) 5216: Ninth Grade Band | *Prerequisite – Three years of band or audition with the band director*
Musical training in Ninth Grade Band focuses on reading, notating, listening, and analyzing. Students will also study different styles of music to expand their understanding of the role music plays in culture and history. Development of technical competence, discipline, and responsibility are important aspects of this course.

Band (Beginning) Marching Band 5255 Band (Intermediate) Marching Band 5256 Band (Proficient) Marching Band [Honors] 5257 Band (Advanced) Marching Band [Honors] 5258
Prerequisites – For Beginning Ability to play a band instrument and audition with the band director; For the other levels Mastery of the preceding course and audition with the band director
The Marching Band courses focus on developing skills with music performance, reading, and notating as well as listening, analyzing, and evaluating diverse musical styles. As students develop their technical skills, they will have opportunities to compose, arrange, and improvise. The level of discipline, responsibility, and difficulty all increase as students progress in proficiency levels. Extracurricular opportunities may include jazz band, pep band, district/state level honors band, chamber ensembles, and solo recitals.

Band (Beginning) Symphonic Band 5255 Band (Intermediate) Symphonic Band 5256 Band (Proficient) Symphonic Band [Honors] 5257 Band (Advanced) Symphonic Band [Honors] 5258
Prerequisites – For Beginning Ability to play a band instrument and audition with the band director; For the other levels Mastery of the preceding course and audition with the band director
The Symphonic Band courses focus on developing skills with music performance, reading, and notating as well as listening, analyzing, and evaluating diverse musical styles. As students develop their technical skills, they will have opportunities to compose, arrange, and improvise. Students will build skills with listening, appreciation, and historical understanding culminating in written reports and musical compositions. Students will have opportunities to work with existing music technologies. The level of discipline, responsibility, and difficulty all increase as students progress in proficiency levels. Extracurricular opportunities may include jazz band, pep band, district/state level honors band, chamber ensembles, and solo recitals.

Band (Beginning) Percussion Ensemble 5255 Band (Intermediate) Percussion Ensemble 5256 Band (Proficient) Percussion Ensemble [Honors] 5257 Band (Advanced) Percussion Ensemble [Honors] 5258 |
Prerequisites – For Beginning Audition with the band director; For the other levels Mastery of the preceding course and audition with the band director
Students in this class serve as the band's percussion section. As students progress in proficiency levels, they will strengthen their technical skills and have the opportunity to play more demanding music. Extracurricular opportunities may include jazz pep band, district/state level honors band, chamber ensembles, and solo recitals.

Band (Beginning) Concert Band 5255 Band (Intermediate) Concert Band 5256 Band (Proficient) Concert Band [Honors] 5257 Band (Advanced) Concert Band [Honors] 5258
Prerequisites – For Beginning Three years of band or audition with band director; For the other levels Mastery of the preceding course and audition with the band director
The concert Band courses focus on developing skills with music performance, reading, and notating as well as listening, analyzing, and evaluating diverse musical styles. The level of discipline, responsibility, and difficulty all increase as students progress in proficiency levels.

Band (Beginning) Jazz Ensemble 5255 Band (Intermediate) Jazz Ensemble 5256 Band (Proficient) Jazz Ensemble [Honors] 5257 Band (Advanced) Jazz Ensemble [Honors] 5258
Prerequisites – For Beginning Audition with the band director; For the other levels Mastery of the preceding course and audition with the band director
Singers and Instrumentalists will work together on a wide range of musical styles and perform in small vocal groups, string ensembles, jazz combos, and as soloists. As students progress in proficiency levels, they will play an increasingly advanced level of music selections which will require them to refine their skills with reading, notating, composing, conducting, critiquing, and improvising.

Band (Beginning) Wind Ensemble 5255 Band (Intermediate) Wind Ensemble 5256 Band (Proficient) Wind Ensemble [Honors] 5257 Band (Advanced) Wind Ensemble [Honors] 5258
Prerequisites – For Beginning Ability to play a band instrument and audition with the band director; For the other levels Mastery of the preceding course and audition with the band director
The Wind Ensemble courses focus on developing skills with music performance, reading, notating, listening, analyzing, and evaluating diverse musical styles. As students develop their technical skills, they will have opportunities to compose, arrange, and improvise. The level of discipline, responsibility, and difficulty all increase as students progress in proficiency levels. Extracurricular opportunities may include jazz band, pep band, district/state level honors band, chamber ensembles, and solo recitals.

Additional Electives

Teacher Cadet (96042X0) / Teacher Cadet Honors (960452X0)
This course is designed as an introduction or orientation to the teaching profession. Students observe and participate in public school classrooms. They learn about various personnel in the educational system and their responsibilities. In addition, they discuss both positive and negative aspects of teaching as a career and complete and discuss self-assessments in order to obtain clear pictures of their personal interests and abilities.

Teacher Cadet II (96062X0) / Teacher Cadet II Honors (960652X0)
This course is designed as an introduction or orientation to the teaching profession. Students observe and participate in public school classrooms. They learn about various personnel in the educational system and their responsibilities. In addition, they discuss both positive and negative aspects of teaching as a career and complete and discuss self-assessments in order to obtain clear pictures of their personal interests and abilities.

Career & Technical Education

Work-based Learning & Higher Education Opportunities in CTE

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

CTE Internship | *Prerequisite – None*

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

CTE Career and College Promise

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

Available CCP Career Pathways at RCCC:

HCPS will pay the student course fees associated with the required CTE Pathways.

CTE Pathway Name and Link	Code	Required Courses	Course Fees
BUILDING, ENGINEERING AND SKILLED TRADES			
Architectural Technology			
Architectural Technology CAD	C40100HS	ARC111, ARC112, ARC113, ARC114, ARC220, ARC211	$11 per course
Automotive Systems Technology			
Automotive Systems Technology Electrical	C60160EH	TRN110, TRN120, AUT113, AUT163, AUT181	$11 per course, excluding AUT181
Automotive Systems Technology Under Car	C60160UH	TRN110, TRN120, AUT113, AUT141, AUT151	$11 per course
Electrical Systems Technology			
HVAC	C50240CH	MNT110, ISC112, AHR110, AHR112	$11 per course excluding ISC112 $20 supply fee per course excluding ISC112

CTE Pathway Name and Link	Code	Required Courses	Course Fees
Electrical Systems Technology			
Maintenance	C50240MH	MNT110, MNT230, ISC112, BPR111, MEC111, PLU111	$11 per course excluding ISC112 $20 supply fee per course excluding ISC112
Welding	C50420HS	WLD112, WLD115, WLD121, WLD131, WLD141	$11 per course $20 supply fee per course Additional fees: $125 Welding Inspector fee for WLD 121
BUSINESS AND ENTREPRENEURSHIP			
Business Administration			
Business Core *RISE Math Tier 1;* *RISE English Tier 1*	C25120AH	ACC120, BUS110, BUS115, BUS137, ECO251	
Marketing *RISE Math Tier 1;* *RISE English Tier 1*	C25120MH	BUS110, BUS137, MKT120, MKT220, MKT123	
Culinary Arts			
Introduction to Culinary Arts	C55150HS	CUL110, CUL140, CUL160, CUL170, CUL240	$200 per course
Hospitality			
Introduction to Hospitality Management	C25110HS	CUL110, HRM110, HRM140, HRM240, HRM245, HRM280	None

CTE Pathway Name and Link	Code	Required Courses	Course Fees
CREATIVE AND LIBERAL ARTS			
Community Spanish Interpreter			
Introduction to Interpreting *RISE English Tier 1;* *Spanish placement test*	C55370HS	SPA111/181, SPA112/182, SPA211, SPA212, SPI113	None
Public Service *RISE English Tier 1;* *Spanish placement test*	C55370FH	SPI113, SPI114, SPI213, SPI214, SPA241, SPI245	None
Early Childhood Education			
Infant/Toddler Care *RISE Math Tier 1* *RISE English Tier 1;*	C55290HS	EDU119, EDU131, EDU144, EDU153, EDU234	None
HEALTH AND WELLNESS			
Introduction to Medical Assisting *RISE English Tier 1 and Tier 2;* *RISE Math Tier 1 and Tier 2*	C45400HS	ENG111, MED110, MED121, MED122, BIO163, CIS110	$16 fee for BIO163
Introduction to Nursing *RISE English Tier 1*	C45970HS	NAS101, MED121, MED122	$65 Lab Material fee for NAS101 $16 Educational Liability / Malpractice Insurance for NAS101 Additional fees: $25 Criminal Background Screening Check for NAS101 $120 exam fee (paid separately to Pearson VUE) for NAS101 Additional equipment is required.

CTE Pathway Name and Link	Code	Required Courses	Course Fees
HUMAN SERVICES AND PUBLIC SAFETY			
Introduction to Emergency Medical Science *RISE English Tier 1 and Tier 2; RISE Math Tier 1 and Tier 2 High School Biology* **and** *Chemistry with a grade of C or above.*	C45340HS	EMS110, BIO168, BIO169	$30 Lab Materials fee for BIO168 $40 Lab Materials fee for BIO169 $15 Lab Materials fee for EMS110 $16 Educational Liability / Malpractice Insurance for EMS110 Additional fees: $58 Supply Kit fee for EMS110 $92 Criminal Background Screening Check for EMS110 $23 Clinical Immunization and Required Tracking for EMS110
INFORMATION TECHNOLOGIES			
Computer Repair	C25590H1	CTI110, CTI20, CTS120, CTS220	$11 per course $25 CompTIA practice exam fee for each: CTS120 and CTS220
Cybersecurity CCNA	C25590C2	NET125, NET126, NET225, SEC160	$11 per course

Hertford County Public Schools and Roanoke Chowan Community College Course Articulation

High School students can receive High School and Community College credit for select Career and Technical Education (CTE) courses. To receive articulated credit, students must: maintain a B or higher in select CTE High School courses and receive a scaled score of 93 or higher on the Career and Technical Education end-of-course Assessment.

Earning college credit in High School through CTE:

An agreement exists between Hertford County Public Schools and Roanoke Chowan Community College to provide articulated credit for students who meet the following requirements:

- Students must enroll at the community college within two years of high school graduation date
- Students must submit
  - An official high school transcript which shows a final grade of B or higher in the course
  - Official documentation from the high school showing a score of 93 or higher on the standardized CTE post-assessment (if not listed on the official transcript)
- Students must be enrolled in the semester for which credit is granted

CTE Continuing Education Pathways at Roanoke Chowan Community College

Advanced Manufacturing Institute
Jobs are available in Advanced Manufacturing in northeastern North Carolina. The Advanced Manufacturing Institute will prepare students for a career in the manufacturing sector. Participants will be exposed to typical problems and challenges encountered in a modern manufacturing environment and gain first-hand experience in addressing them.

Emergency Medical Technician
This course introduces basic emergency medical care. Topics include preparatory, airway, patient assessment, medical emergencies, trauma, infants and children, and operations. Upon completion, students should be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

Esthetician Technology
Esthetics is the beautification of the skin. Students receive intensive training in the areas of facials, hair removal, and make-up application to become a licensed skin care specialist. Students have the opportunity to receive a Microdermabrasion certificate and a Chemical Peel certificate as part of the training. This is a three-semester course that starts in spring. The course is taught at RCCC's campus. Additional course fees apply.

Manicuring
Manicuring is the art of caring for the hands and feet. The 300-hour course instructs students on shaping nails, removing cuticles, giving a hand or foot massage, applying artificial nails, and art work. It also involves teaching the proper health, safety and sanitation procedures to avoid common infections. The course is taught at RCCC's campus. Additional course fees apply.

Natural Hair Care Specialist
Natural Hair Care Specialist is a 300-hour course designed to teach how to care for natural hair without the use of chemicals such as perms/relaxers and hair color. The style techniques include

braiding, twisting, wrapping, extending and locking natural hair. The coursework also includes teaching the proper health, safety, and sanitation procedures to avoid spreading infections. The course is taught at RCCC's campus. Additional course fees apply.

College and Career Readiness Available Through CTE

During high school students set goals for their future, explore careers, and create a timeline to achieve goals. This multi-year process intentionally guides students and families in the exploration of career, academic, and postsecondary opportunities. With the support of MajorClarity and Hertford County Public Schools' talented educators and staff, students develop the awareness, knowledge, attitudes, and skills to create their own meaningful post-secondary pathways that can lead to the workforce or college.

Based on academic and user research, MajorClarity's award-winning program puts the student at the center of their planning experience. They build personalized plans for the future, and the skills and knowledge to persist. Learn more about college and career readiness: MajorClarity

The NC CTE Course Management System (CMS)

The NC Career and Technical Education (CTE) Course Management System (CMS) is a public site that provides access to course standards and other information such as course descriptions, career pathways, aligned industry credentials, work-based learning opportunities, aligned essential employability skills, and Career and Technical Student Organizations (CTSOs).

Agriculture Education Courses

Agricultural education provides systematic instruction to students in the areas of agriculture, food and natural resources. Through these subjects, agricultural educators teach students a wide variety of skills, including science, math, communications, leadership, management and technology. Agricultural education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems.

Career pathways that students may pursue include:

- **Animal Systems**
- **Equine Science**
- **Natural Resources**
- **Plant Systems**
- **Power, Structural, and Technical Systems**
- **Sustainable Agriculture Production**

Pathway Courses

Agricultural Mechanics I (AS312) | *Prerequisite – None*
Aligned Industry Credential: OSHA 10-hour General Industry Safety and Health
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.

Agricultural Mechanics II (AS325) | *Prerequisite – Agricultural Mechanics I*
Aligned Industry Credential: Certified Welders per Welding Code AWS D1.1
National Safe Tractor and Machinery Operation Certification
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.

Agricultural Mechanics II - Small Engines (AS335)| *Prerequisite –Agricultural Mechanics I*
Aligned Industry Credential: North Carolina State Competency Exam
Implement knowledge of four-cycle small engines to obtain an industry recognized credential. Execute skills in compression and ignition system repair and maintenance. Facilitate regulation of fuel and governor small engine function. 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.

Animal Science I (AA212) | *Prerequisite – None*
Aligned Industry Credential*:* **Youth for the Quality Care of Animals (YQCA) Certification**
This course focuses on animal physiology, breeding, nutrition, health, and best management practices in preparation for an animal science career. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

Animal Science II – Companion Animal (AA232)| *Prerequisite: Animal Science I*
This course focuses on animal welfare, safe handling practices, nutrition, digestion, breeding, grooming, care, classification, and the history of the companion animal industry. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

Animal Science II – Food Animal (AA225)| *Prerequisite – Animal Science I*
Aligned Industry Credential: Beef Quality Assurance Program Cow/Calf Certification North Carolina Beef Quality Assurance
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.

Equine Science I (AA312) | *Prerequisite – None*
Connect environmental factors to equine behavior. Conceptualize how anatomy influences equine movement and internal organs. Build knowledge of nutritional physiology and feeding management of horses. Explore the tools and equipment used to support equine sports and recreation through hands-on activities. 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 Equine Science pathway.

Equine Science II (AA325) | *Prerequisite – Equine Science I*
Aligned Industry Credential*:* **Equine Management and Evaluation Certification**
Connect environmental factors to equine behavior. Conceptualize how anatomy influences equine movement and internal organs. Build knowledge of nutritional physiology and feeding management of horses. Explore the tools and equipment used to support equine sports and recreation through hands-on activities. 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 Equine Science pathway.

Horticulture I - Introduction to Plants (AP412) | *Prerequisite – None*
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.

Horticulture II - Plant Production (AP422) | *Prerequisite – Horticulture I - Introduction to Plants*
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.

Horticulture II- Landscape Construction (AP445)| *Prerequisite – Horticulture I - Introduction to Plants*
Design landscapes that meet client demands. Implement landscape installation and maintenance skills through work-based learning opportunities. Gain the knowledge and skills for landscape careers in the horticulture pathway. 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.

Business, Finance, and Marketing Education Courses
Business, Finance, and Marketing (BFM) provides students with meaningful instruction for and about business. Instruction in Business, Finance and Marketing Education encompasses business skills and techniques, an understanding of basic economics, an understanding of making socio economic decisions and producing goods and services to consumption, and business attitudes essential to become a globally engaged and productive citizen. BFM plays a key role in preparing a competent, business-literate, and skilled workforce. The associated curricula have real-life relevance that empowers and helps young adults to compete in a global marketplace while managing their own financial affairs and making intelligent consumer and business-related choices.

Career pathways that students may pursue include:

- **Accounting**
- **Economics**
- **Entrepreneurship**
- **Financial Planning**
- **General Management**
- **Marketing Management**
- **Project Management**
- **Sales**
- **Sports and Event Marketing**
- **Travel and Tourism**

Accounting I (BA102) | *Prerequisite – None*
This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on the analysis and recording of business transactions, preparation, and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. Mathematics is reinforced and entrepreneurial experiences are encouraged.

Accounting II Honors (BA205) | *Prerequisite – Accounting I*
This course is designed to provide students with an opportunity to develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis includes departmental accounting, corporate accounting, cost accounting, and inventory control systems, managerial accounting and budgeting, and further enhancement of accounting skills. Mathematics is reinforced and entrepreneurial experiences are encouraged.

Business Essentials (BF102) | *Prerequisite – None*
This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

Business Management I (BB402) | *Prerequisite – Business Essentials*
This course is designed to introduce students to core management concepts. The experience includes how managers plan, organize, staff, and direct the business's resources that enhance the effectiveness of the decision-making process. Also the experience includes students working through ethical dilemmas and problem-solving situations with customer service while academic and critical- thinking skills. English language arts is reinforced.

Business Management II (BB422) | *Prerequisite – Business Management*
This course is designed to enable students to acquire, understand, and appreciate the significance of management to business organizations. Understanding how managers control financial resources, inventory, ensure employee safety, and protect customer data enhances the effectiveness of their decision making. Students will work through ethical dilemmas, practice problem solving, and enhance their teamwork skills. English language arts and mathematics are reinforced.

Entrepreneurship I (ME112) | *Prerequisite – None*
Aligned Industry Credential*: Venture Entrepreneurial Expedition*
In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/ service management, and promotion. Emphasis is on the exploration of feasible ideas of products/ services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.

Entrepreneurship II [Honors] (ME125) | *Prerequisite – Entrepreneurship I*
Aligned Industry Credential: Entrepreneurship and Small Business
In this course, students continue the development of a business idea and develop an understanding of pertinent decisions to be made for business positioning, financing, staffing, and profit planning. Students acquire in-depth understanding of business regulations, risks, management, and marketing and will develop a business plan. English language arts, mathematics, and social studies are reinforced.

Marketing I (MM512) | *Prerequisite – None*
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.

Marketing II (MM522) | *Prerequisite – Marketing*
Aligned Industry Credentials: Business of Retail Certified Specialist
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.

Project Management I (GS112) | *Prerequisite – None*
This course will introduce students to the principles, concepts, and software applications used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The core concepts of scope, time, cost, and integration will be examined during this course.

Project Management II (GS125) | *Prerequisite – Project Management I*
Aligned Industry Credential: PMI Project Management Ready Certification
This course will develop advanced project management skills. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The facilitating concepts of quality management, human resources, communication management, risk management, procurement management, and stakeholder management will be examined during this course.

Computer Science and Information Technology Education Courses

Computer Science and Information Technology (CSIT) is focused on building linkages in information technology occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services. Students will demonstrate knowledge of and proficiency in data representation and abstraction; effectively design, develop, and test algorithms; demonstrate knowledge of digital devices, systems and networks; and demonstrate an understanding of the role computer science plays and its impact in the modern world. The program works in coordination with the Computer Science and Technology Division and aligns to the NC CS K-12 standards where applicable.

Career pathways that students may pursue include:

- **Adobe Academy**
- **Network Administration**
- **Network Security**

Adobe Visual Design I CD105 | *Prerequisite – None*
Aligned Industry Credential*:* **Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator**
In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification. English language arts are reinforced.

Adobe Visual Design II CD115 | *Prerequisite – Adobe Visual Design I*
Aligned Industry Credential*:* **Adobe Certified Associate InDesign**
This course builds on student design and development skills by focusing on longer print production projects as well as more in-depth content and advanced techniques for graphics and layout development. Students continue to produce rich print communications as they focus on effective graphic design, project management, design specifications, and iterative development. Students develop graphic design and print production skills that solve specific communication challenges to meet client and audience needs. This course is aligned to the Adobe Certified Associate InDesign certification, and also integrates Adobe Photoshop and Adobe Illustrator skills. English language arts are reinforced.

Adobe Digital Design I CD122 | *Prerequisite – None*
Aligned Industry Credential*:* **Adobe Dreamweaver**
This course is a project-based course that develops career, and communication skills in Web design using Adobe tools. This course is aligned to the Adobe Dreamweaver certification. English language arts are reinforced.

Adobe Video Design I CD142 | *Prerequisite – None*
Aligned Industry Credential*:* **Adobe Premiere Pro**
This course is a project-based video course that develops career and communication skills in video production using Adobe tools. This course is aligned to the Adobe Premiere certification. English language arts are reinforced.

Computer Science I CS202 | *Prerequisite – None*
Computer Science I is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages. Students will focus on the "big CS ideas" in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. The big ideas in CSP include computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on

how we think, communicate, work, and play. Art, English language arts, and mathematical concepts are reinforced.

Computer Science II CS212 | *Prerequisite – Computer Science I*
Computer Science II continues developing the concepts introduced in the prerequisite course, Computer Science I, introducing students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. Strong communication skills are necessary and English language arts, mathematics, and computer science standards are reinforced.

Network Administration I CI202 | *Prerequisite – None*
This course is based on industry-validated skill standards. Topics include operating systems, networking, Windows server administration, and security. English language arts and mathematics are reinforced.

Network Administration II CI215 | *Prerequisite – Network Administration I*
Aligned Industry Credential: CompTIA Network+
This course is based on industry-validated skill standards. Topics of this course include networking security, administrator responsibilities, and documentation of work-based experiences. English language arts and mathematics are reinforced.

Supplemental Technical Courses

CompTIA IT Fundamentals CI002 | *Prerequisite – None*
Aligned Industry Credential*: CompTIA IT Fundamentals +*
This course is designed for students to develop knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals, and security. The course is also designed for students to develop the ability to demonstrate knowledge and skills to install software, establish basic network connectivity, identify or prevent basic security risks, explain troubleshooting theory, and provide preventative maintenance for devices. English language arts, mathematics, and science are reinforced.

Family and Consumer Sciences Education Courses
Family and Consumer Sciences (FCS) provides the bridge needed by all students to deal with major societal issues such as work-and-family, health care, child and elder care, family and community violence and crime, global economics and politics, and technology usage. FCS Education is a catalyst to bring these issues into action-oriented, skill-building educational programs. The North Carolina FCS Education program provides a platform for students to transition into adult life by gaining a strong foundation of the knowledge and skills needed for successfully living and working in a diverse, global society.

Career pathways that students may pursue include:

■ **Food and Nutrition**

Food and Nutrition I (FN412) | *Prerequisite – None*
Aligned Industry Credential: *ANSI- Accredited Food Handler Certificate*
This course examines the nutritional needs of the individual. Emphasis is placed on fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced *For safety and sanitation reasons, enrollment should not exceed 20 in this course.

Food and Nutrition II (FN422) | *Prerequisite – Food and Nutrition I*
Aligned Industry Credential: *ANSI-Accredited Food Protection Manager Certification*
In this course, students experience the intersection of nutrition science and food preparation, while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students learn how to manage food safety; plan and prepare meals for a variety of consumers and clients; and explore the food system and global cuisines. English/language arts, social studies, mathematics, science, technology, interpersonal relationships are reinforced.

*For safety and sanitation reasons, enrollment should not exceed 20 in this course.

Food Science and Technology [Honors] (FN435) | *Prerequisite – Food and Nutrition I*
This course explores the food industry from the farm to the table using skills in food science, technology, engineering, and mathematics. Government regulations, emerging trends, biotechnology, and technological career opportunities from scientists to technicians will be presented. The student examines production, processing, preparation, preservation, and packaging principles along the farm to table continuum. The student begins to understand how food technology affects the food that he/she eats.

Health Science Education Courses

Health Science Education provides a comprehensive program to meet present and projected needs for the healthcare industry. Curriculum concepts incorporate technological advances to motivate students and prepare them to pursue a career as a future health professional. Emphasis is placed on the various domains of healthcare and related skills such as: employability skills, prevention (wellness), diagnostics, therapeutics, and rehabilitation. Students are encouraged to pursue work-based learning opportunities that include job shadowing, internships, and apprenticeships to support their areas of interest in healthcare.

Career pathways that students may pursue include:

- **Biomedical Technology**
- **Healthcare Professional**

Pathway Courses

Health Science I (HU402) | *Prerequisite – None*
Aligned Industry Credential: *First Aid*
This course is developed to focus on human anatomy, physiology, and human body diseases and disorders, and recognizing and responding to first aid emergencies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

Health Science II (HU422) | *Prerequisite – Health Science I OR PLTW Human Body Systems*
Aligned Industry Credential: *Stop the Bleed*
This course developed to help students expand their understanding of the healthcare industry, including employability skills, safety and infection control procedures, and clinical skills used by allied health professionals. In addition, students will demonstrate their understanding of cardiovascular and respiratory systems by applying BLS CPR skills. Projects, teamwork, and demonstrations serve as instructional strategies to reinforce the curriculum content. English language arts and science are reinforced in this course.

Supplemental Technical Course

Foundations of Health Science HU102 | *Prerequisite: None*
This course is designed for students to acquire foundational knowledge pertinent to healthcare professionals. Topics include advancements in healthcare, medical terminology, mathematics used in healthcare, the domains of healthcare, and in-demand healthcare careers. Students will enhance their communication, leadership, and career decision-making skills. English language arts and mathematics are reinforced.

Trade, Technology, Engineering, and Industrial Education Courses

Trade, Technology, Engineering, and Industrial Education (TTE&I) programs provide students with the skills and conceptual knowledge needed for careers in industry, engineering and design. Students can focus on industry certifications for careers immediately after graduation or develop skills and knowledge needed for higher level professional degrees in engineering and design fields.

Career pathways that students may pursue include:

- **Drone Technology**

Pathway Courses

Drone Technology I ID112 | *Prerequisite – None*
Aligned Industry Credential: *CFR 14 Part 107 UAS Remote Pilot Certification NCDOT NC UAS Operator Permit*
Develop drone piloting knowledge and skills needed to obtain an FAA Remote Pilot certification. Participate in drone mission planning, basic flight operations, and drone aircraft maintenance. Execute communication needed as a flight crew team member. Gain the knowledge, skills, and industry credentials for careers in drone technology.

Drone Technology II ID125 | *Prerequisite – Drone Technology I*
Aligned Industry Credential: ESRI Drone2Map NFPA 2400
Execute drone missions that include autonomous flight and mapping. Utilize mapping software to produce 2D and 3D images. Develop a business plan needed to start a drone piloting company. Gain the knowledge, skills, and enhanced industry credentials for careers in drone technology.

Supplemental Technical Course

Drone Technology Fundamentals ID102 | *Prerequisite – None*
Aligned Industry Credential: FAA Trust
Explore the basic skills and knowledge needed to be a recreational drone pilot. Develop a sectional chart using legends for planned drone mission flights. Develop a basic program to conduct an autonomous flight using small drones in the classroom. Gain the knowledge, skills, and industry credentials for careers in drone technology.

Career and Technical Education (CTE) is an integral part of the comprehensive secondary school program in Hertford County Public Schools. Hertford County Public Schools offers a comprehensive Career and Technical Education program for students in middle and high schools. Courses are offered in Agricultural Education; Business, Finance, and Information Technology Education; Career Development Education; Family and Consumer Sciences Education; Health Science Education; Marketing and Entrepreneurship Education; Technology, Engineering and Design Education; and Trade and Industrial Education. To ensure all students have access to CTE and are successful, Career Development and Special Populations support services are also available. All programs may not be offered at each high school.

In compliance with federal law, Hertford County Public Schools administers all education programs, employment activities and admissions without discrimination against any person on the basis of gender, race, color, religion, national origin, age or disability. Inquiries or concerns related to discrimination policies should be addressed to the Chief Human Resources Officer at Central Office.

Army ROTC

The curriculum includes academic instruction, military drills, leadership development and supervised athletic activities. Students make trips to military facilities to observe military operations and to other schools for color guard, drill team and other competitive events.

Army Junior ROTC I (9501) | *Prerequisite –None*
This beginning course in Leadership Development introduces students to ROTC and the Army. Students learn drills and ceremonies, first aid, and map reading while building their ability to communicate and become leaders. Students will also discuss current events.

Army Junior ROTC II (9502) | *Prerequisite – Army Junior ROTC I*
Leadership Development continues to be an important aspect of ROTC II. Students learn intermediate drills and ceremonies and study first aid, map-reading, and communication skills in greater depth. Students study biographical sketches and historical campaigns and discuss opportunities for scholarships and other career benefits.

Army Junior ROTC III (9503) | *Prerequisite – Army Junior ROTC II*
Army JROTC III stresses military leadership and managerial techniques, including a review of the duties of a leader/manager. Students increase their skills with applied map reading, land navigation, and techniques of communication and study of the role of the Army in United States history. Students will also discuss opportunities available to today's soldier in the area of vocational knowledge and skills.

Army Junior ROTC IV (9504) | *Prerequisite – Army Junior ROTC III*
ROTC IV is the culmination of the JROTC program. Students learn advanced leadership techniques as they study the psychological and moral aspect of leadership and examine group relations and behavior. In a special seminar focusing on leadership and management, students gain insight into decision making as it applies to implementing new ideas, maintaining discipline, and managing people. Cadets have multiple opportunities to assume leadership roles including preparing and presenting a lesson to the class, leading everyday functions of the corps, and reviewing how staff responsibilities are organized and carried out.

Occupational Course of Study (OCS)

Students earn 1 unit of credit for each successfully completed course. All courses are aligned with the North Carolina Common Core Standards.

[Occupational Course of Study (OCS) Graduation Plan 2012-Present](#)

Student: _____ **Counselor:** _____ **Dates Reviewed:** _____

Note: *No course can count in more than one content area to meet the graduation requirement.* *Three End-of-Course (EOC) assessments must be taken: English II, Math I, and Biology.*

Content Area	Cr	Courses Completed / Mark		Notes
English * English II EOC ____	4	☐ English I (9210BX0) ☐ English II (9211BX0)__	☐ English III (9212BX0) ☐ English IV (9213BX0)	
Mathematics * Math I EOC	4	☐ Introduction to Mathematics (9220BX0) ☐ Financial Management (9222BX0) ☐ NC Math 1 (9225BX0) ☐ Employment Prep IV Math (9265BX0)		**Employment Preparation IV: Math must include 150 work hours**
Science * Biology EOC	3	☐ Applied Science (9231BX0) ☐ Biology (9232BX0) ☐ Employment Prep I Science (9260BX0)		**Employment Preparation 1: Science must include 150 work hours**
Social Studies see [NCDPI page](#) for students entering 2021 and before	4	☐ Founding Principles USA&NC: Civic Literacy (9251BX0) ☐ Employment Prep II Citizenship 1A (9261BX0) ☐ Employment Prep II Citizenship 1B (9262BX0) ☐ Economics and Personal Finance (43192)		**Employment Preparation II Citizenship 1a and 1b must include 150 work hours EACH**
Health & PE	1	☐ Healthful Living (60492X0C)		
CPR certification	P	Date Passed____		
Occupational Preparation	2	☐ Employment Prep III Citizenship 2A (9263BX0) ☐ Employment Prep III Citizenship 2B (9264BX0)		**Employment Preparation III Citizenship 2a and 2b must include 150 work hours EACH**
Career Technical Electives	4	Minimum 2 courses from a pathway 2 others ☐ _____/____ ☐ _____/____ ☐ _____/____ ☐ _____/____	Entrepreneurship(ME11,ME12) AdobeAcademy(CD10,CD11,CD12,CD14) GeneralManagement(BF10,BB40,BB42) MarketingManagement(MM51,MA52) HealthcareProfessional(HU40,HU42) PlantSystems(AP41,AP42) FoodandNutrition(FN41,FN42) ComputerSciencePrinciples(BP41,BP42)	
Art Elective	1	If entering grade 9 after 7/1/2025, ONE elective with a code beginning with the numbers listed is required. Local Electives are NOT allowed. ☐ Music - 52; 56 OR ☐ Theatre Arts - 53 OR ☐ Visual Arts - 54; 55 ☐ _____/____		
Computer Science Elective	1			**If entering grade 9 after 7/1/2025, ONE elective is required.**
Completion of Career Portfolio and IEP Objectives		☐ Confirmed by the EC Job Coach/_____date ☐ Confirmed by the EC Case Manager/_____ date		
TOTAL CREDITS	22	# HS Credits earned: _____ # MS Credits earned: _____ # Credits in progress: _____		
Diploma Application Completed _____/ Approved _____/				

Future Ready Occupational Course of Study Course Descriptions (OCS)

OCS English Courses (Total 4 Credits)

OCS English I (9210BX0) | *Prerequisite –None*
Students in OCS English I will use a variety of genres of literature to study literature in order to gain a better understanding of different cultures and current events in relation to themselves. Students will be exposed to reading and writing skills necessary to write, analyze, and evaluate detailed arguments.

OCS English II (9211BX0) | *Prerequisite – OCS English I*
Students in OCS English II will study literature from a global perspective including, informational texts, poetry, drama, biographical works, and art designed to help students better understand how world cultures differ and how current events impact their lives. Students will continue to develop the reading and writing skills necessary to further develop analytical and persuasive writing skills. This course is directly aligned with Future Ready Core English II and OCS students are required to take the English II End of Course Exam (EOC).

OCS English III (9212BX0) | *Prerequisite – OCS English II*
OCS English III continues building on information and skills introduced in OCS English I and II. Instruction will continue to focus on developing the ability to comprehend and utilize a variety of literary and informational texts from within the US and across the globe to better understand different cultures and the impact on current events. Students will learn to use communication skills appropriate for a variety of settings, including formal and informal settings within employment, postsecondary education/training, independent living, and community participation. Students will learn to critique written information, utilize decision-making skills, and express personal viewpoints within a variety of settings and life domains (including, but not limited to, employment and independent living situations). Students will learn how to complete written forms using templates such as guides and informational resources. Emphasis is also placed on students generating original writings.

OCS English IV (9213BX0) | *Prerequisite – OCS English III*
OCS English IV builds on the information and skills developed in OCS English I, II, and III. In addition to continuing to develop the ability to utilize various types of written text to obtain information, students will learn to access information needed to carry out adult and independent living tasks. Instruction is provided on formal versus informal communication and completion of written forms without templates and/or guides. Students learn to discriminate between subjective and objective information in order to analyze current events and develop personal viewpoints. Students will apply skills learned throughout the four English courses to produce a variety of written materials routinely used in employment, postsecondary education, adult and independent living, as well as within the community.

OCS Science Courses (Total of 2 Credits)

OCS Applied Science (9231BX0) | *Prerequisite –None*
Students learn about energy, the environment, conservation, and chemical exposure. The students also study the systems of the human body and learn how they work together to regulate health. Students explore these topics through hands-on activities and by applying the concepts to real world situations.

OCS Biology (9232BX0) | *Prerequisite –None*
OCS Biology exposes students to the history and development of biology including cellular biology, genetics, biochemistry, physiology, and life processes. Students develop process and problem solving skills through hands-on activities and the application of the scientific method. This course is directly aligned with the Future Ready Core Course of Study Biology I course. OCS students are required to take the Biology I End of Course Exam (EOC).

OCS Mathematics (Total of 3 Credits)

OCS Introduction to Mathematics (9220BX0) | *Prerequisite – None*
Students learn basic computation skills including the manipulation of whole numbers, decimals, fractions and percentages. Instruction is provided in measuring time, predicting patterns, and graphing. Students are also exposed to basic algebraic concepts. Students will apply mathematical concepts to solve problems.

OCS MATH I (9225BX0) | *Prerequisite – OCS Introduction to Mathematics*
OCS MATH I is a rigorous math course that builds on the core math concepts presented in OCS Introduction to Mathematics. OCS MATH I students explore basic math operations, geometry, measurement, probability and statistics, and are introduced to discrete algebra. Students will use ratios to solve problems and exponents to simplify mathematical expressions and factor algebraic expressions. Students will also learn to analyze statistical distributions. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. Students are required to take the MATH I End of Course Exam (EOC).

OCS Financial Management (9222BX0) | *Prerequisite – OCS MATH I*
OCS Financial Management provides students with a foundation in financial planning and money management needed for independent living. Students are introduced to the concepts of income and other forms of financial compensation for work performed along with state and federal income tax requirements. Students learn about credit and how to maintain a positive credit rating. Additional course objectives include an understanding of fiscal responsibility, including the concept of "needs vs. wants". Students learn about different types of insurance and how to analyze differences between banks and credit unions. Students have opportunities to practice basic computation skills throughout this course.

OCS Social Studies Courses (Total of 3 Credits)

OCS American History (9250BX0) | *Prerequisite – None*
The American History course will begin with the end of the French and Indian War (1763) and end through the latest Presidential Election (i.e. 2020, 2024, etc.). The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events on the U.S. in an interconnected world.

OCS Founding Principles of the US & NC: Civic Literacy (9251BX0) | *Prerequisite –None*
This course teaches the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. It provides a framework for understanding the basic tenets of N.C. and American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship, and will build upon the application of the Founding Principles as identified by N.C. Session Law 2019-82, House Bill 924.

OCS Economics and Personal Finance (43192BX0) | *Prerequisite – None*
The Economics and Personal Finance (EPF) course is intended to be a study of economics, personal finance, income and education, money management, critical consumerism, and financial planning. This course has been legislated by N.C. Session Law 2019-82, House Bill 924.

OCS Occupational Preparation (Total of 6 Credits)

OCS Occupational Preparation I (9260BX0) | *Prerequisite – None*
OCS Occupational Preparation I (OCC Prep I) is designed to introduce students to the fundamentals, attitudes, behaviors and habits needed to obtain, maintain, and advance employment in their chosen career fields. Students will participate in school-based learning activities designed to develop positive work ethics, job-seeking skills, decision-making skills, and self-management. School-based work training activities will include activities such as school-based enterprises and hands-on vocational training activities completed throughout the school campus. Students begin formal career planning in this OCC Prep course and continue this process throughout the strand of OCC Prep courses. This course is part of a sequential series of courses designed to be taken in order.

OCS Occupational Preparation II (2 credits required) (9261BX0 & 9262BX0) | *Prerequisite – OCS Occupational Preparation*
Two credits of OCS Occupational Preparation II are required for graduation with a diploma in the OCS Diploma Pathway. The two sections of OCC Prep II are designed to be offered in back-to-back course periods during the same semester. This schedule allows students time to participate in school-based and, as appropriate, community-based vocational training. This course is designed to allow students to develop soft skills appropriate to all careers. Students have opportunities to develop appropriate interpersonal and problem solving skills with an understanding of cultural diversity. Students will have opportunities to develop and apply self-advocacy skills. This course provides students with opportunities to work in teams. Course activities may take place in a variety of settings including the classroom, whole school environment, and community.

OCS Occupational Preparation III (2 Credits Required) (9263BX0 & 9264BX0) | *Prerequisite – 2 Credits of OCS Occupational Preparation II*
Two credits OCS Occupational Preparation III are required for graduation with a diploma in the OCS Diploma Pathway. It is designed to be offered in back-to-back course periods during the same semester. This schedule allows students time to participate in school-based and community-based vocational training during the school day, if appropriate. Students have an opportunity to apply skills learned in OCS OCC Prep I and II and continue to develop the employability skills necessary for competitive employment. Multiple opportunities are provided for students to develop leadership and self-determination skills.

OCS Occupational Preparation IV (9265BX0) | *Prerequisite – 2 Credits of OCS Occupational Preparation III*
OCS Occupational Preparation IV gives students the opportunity to synthesize all the skills acquired in previous Occupational Preparation courses and apply them to competitive employment. This course provides students with opportunities to apply problem-solving skills in a variety of work-related situations. Students continue focusing on completing the remainder of school-based and community-based work training hours in addition to finding and maintaining competitive employment aligned with postsecondary goals. Students will continue developing work portfolios outlining their educational and vocational high school experiences. Students are required to formally present their work portfolio to a panel of HCPS staff.

OCS Elective Courses

Self-Advocacy Development (9246BX0)

This course is designed to teach students skills related to self-determination essential for achieving independence and successful adult outcomes. The organization of the course will provide for opportunities to integrate previously learned skills with new concepts. Instructional emphasis will be placed on the application and generalization of self-determination skills to post-school environments.

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