

**2024-2025
COURSE CATALOG**



**PERQUIMANS COUNTY
HIGH SCHOOL**

2024-2025 COURSE CATALOG

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2024-2025 COURSE CATALOG

GENERAL INFORMATION

USING THIS GUIDE

This curriculum guide is designed to assist students and their parents in planning the high school course schedules. All students and parents should read this information carefully and give deliberate thought to the student's aptitude, interests, and future plans when selecting courses. Please be aware that this guide is intended to give information about courses which **may** be offered. The final school schedule is based on a variety of factors, and course offerings may change.

As you plan your course schedule, please remember these items:

- Typically, high school credits are earned in grades 9-12, although some credits may be earned at the middle school level. Credits earned in middle school do NOT count in the high school GPA.
- All students must meet North Carolina graduation standards and testing requirements in addition to course requirements.
- It is the responsibility of the student to make certain that the courses they are enrolled in meet the requirements of graduation as well as those of any college the student plans to attend. The school counselors are available to assist students and their parents in this process.
- The courses in the catalog are included for informational and planning purposes. All courses are not guaranteed to be offered.

SCHEDULES

Perquimans County High School operates on a block schedule system. Each semester (Fall/Spring), students are enrolled in four 90-minute instructional "blocks" or classes. Ideally, two of the four classes are "core" classes. A core class refers to a course that is specifically required for graduation. Core classes are generally English, Math, Science, and Social Studies courses. In most cases, students have the opportunity to earn four units of credit each semester for a total of eight credits for the academic year.

COURSE SELECTION

During the Spring semester, rising 9th - 12th grade students will have the opportunity to make requests for courses they would like to take during the following school year. These requests are used to develop the student's schedule for the next academic year. A student's final schedule will be based on the courses actually offered and the master schedule. Student schedules will be made available before the beginning of the school year. Students are expected to follow their schedule beginning on the first day of school.

SCHEDULE CHANGES

School counselors will be available to meet with students and parents as needed to discuss schedule changes. **Schedule change requests must be made in writing using the form provided in the student services office within the first 10 days of each semester.** Students are expected to follow the original schedule until a new schedule is received from the school counselor. Schedule change requests are not guaranteed to be fulfilled unless there is an error or the change is due to graduation requirements. Courses dropped after the first ten days of the semester may be marked "withdraw/fail." This applies to all courses, including dual credit college courses.

NC PORTRAIT OF A GRADUATE

N O R T H C A R O L I N A

PORTRAIT of a GRADUATE



 ADAPTABILITY

 COLLABORATION

 COMMUNICATION

 CRITICAL THINKING

 EMPATHY

 LEARNER'S MINDSET

 PERSONAL RESPONSIBILITY

Brought to you by:

Statewide Portrait Design Team | NC Department of Public Instruction | NC Department of Commerce | NC Chamber of Commerce
BEST NC | NC Community College System | UNC System | NC Independent Colleges and Universities | MyFutureNC

NC PORTRAIT OF A GRADUATE



NORTH CAROLINA COMPETENCY SET

 <p>ADAPTABILITY</p>	<p>North Carolina Graduates...</p> <ul style="list-style-type: none">• Demonstrate agility in thought processes and problem-solving.• Accept feedback, praise, setbacks, and criticism.• Balance diverse viewpoints and beliefs to reach workable solutions.• Demonstrate flexibility when navigating challenging situations.• Exhibit steadfastness despite difficulty, opposition, and/or failure.
 <p>COLLABORATION</p>	<p>North Carolina Graduates...</p> <ul style="list-style-type: none">• Contribute and respond to diverse perspectives to achieve a common goal.• Leverage strengths to resolve conflict and foster teamwork.• Interact respectfully with others in digital and in-person interactions.• Embrace a variety of roles in a group as a participant and a leader.
 <p>COMMUNICATION</p>	<p>North Carolina Graduates...</p> <ul style="list-style-type: none">• Articulate thoughts and ideas effectively using oral, written, and nonverbal communication skills.• Listen to decipher meaning, values, attitudes, and intentions.• Ask questions and synthesize messages to seek understanding.• Engage in productive discourse to resolve disagreements.• Craft communication for a range of purposes and audiences.• Use storytelling and public speaking to express ideas and connect with others.
 <p>CRITICAL THINKING</p>	<p>North Carolina Graduates...</p> <ul style="list-style-type: none">• Analyze, assess, and reconstruct personal thought processes.• Apply thinking that is clear, rational, and evidence-based.• Evaluate and prioritize solutions to difficult or complex problems.• Employ creative improvements to systems, processes, and organizations.

NC PORTRAIT OF A GRADUATE

NORTH CAROLINA • PORTRAIT OF A GRADUATE



EMPATHY

North Carolina Graduates...

- Demonstrate understanding, sensitivity, concern, and respect.
- Share in others' feelings, opinions, and experiences through personal and digital connections.
- Value and embrace diverse cultures and unique perspectives.
- Foster belonging and trust through mutual respect and dialogue.



LEARNER'S MINDSET

North Carolina Graduates...

- Possess an ongoing desire to learn, unlearn, and relearn.
- Embrace curiosity to experience new ideas, demonstrate growth, and persist through challenges.
- Translate knowledge to provide different contexts to drive change and innovation.
- Develop positive attitudes and beliefs about learning.



PERSONAL RESPONSIBILITY

North Carolina Graduates...

- Adhere to a set of core values that are evident in choices and actions.
- Earn trust and respect through honest, principled behaviors.
- Honor commitments.
- Recognize how personal decisions and actions have impacts beyond self.
- Take ownership of decisions and persevere through challenges.
- Demonstrate self-control and composure.



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BEST NC | NC Community College System | UNC System | NC Independent Colleges and Universities | MyFutureNC

GRADUATION REQUIREMENTS

For students entering 9th grade during the
2024-2025 school year or after

CONTENT AREA	FUTURE READY CORE	FUTURE READY OCCUPATIONAL COURSE OF STUDY
English	4 Sequential Credits English I, II, III, IV	4 Sequential Credits English I, II, III, IV
Mathematics	4 Credits 1. NC Math 1, 2, 3, and a fourth mathematics course aligned with the student's post high school plans 2. In the rare instance a principal exempts a student from FRC mathematics sequence, except as limited by N.C.G.S. §115C-81(b), the student will be required to pass: NC Math 1 and Math 2 plus two additional courses identified on the NC DPI Math Options Chart.	4 Credits 1. Introduction to Mathematics 2. Math 1 3. Financial Management 4. Employment Prep IV: Math (to include 150 work hours)
Science	3 Credits 1. A physical science course 2. Biology 3. Earth/Environmental Science	3 Credits 1. Applied Science 2. Biology* 3. Employment Prep I: Science (to include 150 work hours)
Social Studies	4 Credits 1. World History 2. American History 3. Founding Principles of the United States of America and North Carolina: Civic Literacy 4. Economics and Personal Finance	4 Credits 1. Employment Prep II: Citizenship 1A (to include 75 work hours) 2. Employment Prep II: Citizenship 1B (to include 75 work hours) 3. Founding Principles of the United States of America and North Carolina: Civic Literacy 4. Economics and Personal Finance
World Languages	Not required for high school graduation. A two-credit minimum is recommended for admission to a university in the UNC system.*	Not required
Health and Physical Education	1 Credit 1. Health/Physical Education 2. Students are required to successfully complete CPR instruction to meet Healthful Living Essential Standards as a requirement for high school graduation. 3. Accommodations/alternate assessments for students identified by ADA or IDEA will be provided.	1 Credit 1. Health/Physical Education 2. Students are required to successfully complete CPR instruction to meet Healthful Living Essential Standards as a requirement for high school graduation. 3. Accommodations/alternate assessments for students identified by ADA or IDEA will be provided.
Electives or other requirements	6 Credits Required 2 elective credits of any combination from either: – Career and Technical Education (CTE) – Arts Education – World Language 4 elective credits (four course concentration strongly recommended) from one of the following: – Career and Technical Education (CTE) – ROTC – Arts and Education (e.g. dance, music, theater arts, visual arts) – Any other subject area (e.g. mathematics, science, social studies, English, and dual-enrollment courses)	6 Credits 2 additional Occupational Preparation credits: 1. Employment Preparation III: Citizenship IIA (to include 75 work hours) 2. Employment Preparation III: Citizenship IIB (to include 75 work hours) 4 Career and Technical (CTE) elective credits Student must also complete: – A career portfolio – IEP objectives
Total	22 Credits plus any local requirements **	22 credits plus any local requirements **
Local Requirements	6 Credits **	6 Credits **
Total Requirements	28 Credits **	28 Credits **

* For students applying for first-time (freshman) admission to constituent institutions after the 2024 spring semester: Two additional courses from English, mathematics, science, social studies, world languages, or computer science. (Note: these courses should be selected in alignment with a student's academic and career objectives. Completion of two sequential world language courses is recommended.)

** Requirements for graduation are pending awaiting legislative decisions.

GRADUATION REQUIREMENTS

For students entering 9th grade during the
2021-2022 through 2023-2024 school years

CONTENT AREA	FUTURE READY CORE	FUTURE READY OCCUPATIONAL COURSE OF STUDY
English	4 Sequential Credits English I, II, III, IV	4 Sequential Credits English I, II, III, IV
Mathematics	4 Credits 1. NC Math 1, 2, 3, and a fourth mathematics course aligned with the student's post high school plans 2. In the rare instance a principal exempts a student from FRC mathematics sequence, except as limited by N.C.G.S. §115C-81(b), the student will be required to pass: NC Math 1 and Math 2 plus two additional courses identified on the NC DPI Math Options Chart.	4 Credits 1. Introduction to Mathematics 2. Math 1 3. Financial Management 4. Employment Prep IV: Math (to include 150 work hours)
Science	3 Credits 1. A physical science course 2. Biology 3. Earth/Environmental Science	3 Credits 1. Applied Science 2. Biology* 3. Employment Prep I: Science (to include 150 work hours)
Social Studies	4 Credits 1. World History 2. American History 3. Founding Principles of the United States of America and North Carolina: Civic Literacy 4. Economics and Personal Finance	4 Credits 1. Employment Prep II: Citizenship 1A (to include 75 work hours) 2. Employment Prep II: Citizenship 1B (to include 75 work hours) 3. Founding Principles of the United States of America and North Carolina: Civic Literacy 4. Economics and Personal Finance
World Languages	Not required for high school graduation. A two-credit minimum is recommended for admission to a university in the UNC system.*	Not required
Health and Physical Education	1 Credit 1. Health/Physical Education 2. Students are required to successfully complete CPR instruction to meet Healthful Living Essential Standards as a requirement for high school graduation. 3. Accommodations/alternate assessments for students identified by ADA or IDEA will be provided.	1 Credit 1. Health/Physical Education 2. Students are required to successfully complete CPR instruction to meet Healthful Living Essential Standards as a requirement for high school graduation. 3. Accommodations/alternate assessments for students identified by ADA or IDEA will be provided.
Electives or other requirements	6 Credits Required 2 elective credits of any combination from either: – Career and Technical Education (CTE) – Arts Education – World Language 4 elective credits (four course concentration strongly recommended) from one of the following: – Career and Technical Education (CTE) – ROTC – Arts and Education (e.g. dance, music, theater arts, visual arts) – Any other subject area (e.g. mathematics, science, social studies, English, and dual-enrollment courses)	6 Credits 2 additional Occupational Preparation credits: 1. Employment Preparation III: Citizenship IIA (to include 75 work hours) 2. Employment Preparation III: Citizenship IIB (to include 75 work hours) 4 Career and Technical (CTE) elective credits Student must also complete: – A career portfolio – IEP objectives
Total	22 Credits plus any local requirements **	22 credits plus any local requirements **
Local Requirements	6 Credits **	6 Credits **
Total Requirements	28 Credits **	28 Credits **

* For students applying for first-time (freshman) admission to constituent institutions after the 2024 spring semester: Two additional courses from English, mathematics, science, social studies, world languages, or computer science. (Note: these courses should be selected in alignment with a student's academic and career objectives. Completion of two sequential world language courses is recommended.)

** Requirements for graduation are pending awaiting legislative decisions.

ENGLISH COURSE OFFERINGS

SUGGESTED COURSE SEQUENCE

	9th Grade	10th Grade	11th Grade	12th Grade
Standard 4 Year Track	English 1	English 2 (must pass Eng 2 to be promoted to 11th grade)	English 3	English 4
Accelerated 3 Year Track Can be Standard or Honors	English 1 &/or English 2 (must pass Eng 2 to be promoted to 11th grade)	English 2 &/or English 3 (must pass Eng 2 to be promoted to 11th grade)	English 3 &/or English 4	
Honors Track Options	Honors English 1	Honors English 2 (must pass Eng 2 to be promoted to 11th grade)	Honors English 3	Honors English 4
	Honors English 2 (must pass Eng 2 to be promoted to 11th grade)	Honors English 3	Honors English 4	ENG 111 & ENG 112***
	Honors English 1 &/or Honors English 2 (must pass Eng 2 to be promoted to 11th grade)	Honors English 2 &/or Honors English 3 (must pass Eng 2 to be promoted to 11th grade)	ENG 111 & ENG 112***	ENG 231 or 232* &/or ENG 241 or 242**
Alternate Diploma Pathways				
Occupational Course of Study	English 1	English 2 (must pass Eng 2 to be promoted to 11th grade)	English 3	English 4
Extended Content	English/LA I	English/LA II	English/LA III	English/LA IV

* Must complete ENG 231 or 232 to meet the English 3 graduation requirement; must complete ENG 111 & 112 prior to taking these courses.

** Must complete ENG 241 or 242 to meet the English 4 graduation requirement; must complete ENG 111 & 112 prior to taking these courses.

***ENG 111 & 112 are prerequisites for ENG 231, 232, 241, & 242.

ENGLISH

COURSE OFFERINGS

COURSE DESCRIPTIONS

ENGLISH 1

English I provides a foundational study of literary genres (novels, short stories, poetry, drama, literary nonfiction). Through reading, writing, listening and speaking, students learn to communicate effectively. Through disciplined reading of complex literary fiction and literary non-fiction, students develop critical thinking skills, value evidence and build academic language to engage in lively discussions with their peers about the content and their learning. Students develop their writing skills through authentic writing assignments, projects, research and literary analysis. All writing is integrated with grammar and techniques of style. Students work collaboratively with their peers to accomplish learning goals.

HONORS ENGLISH 1

Prerequisite - 8th grade English EOG score of Level IV or above and teacher recommendation

Honors English I is designed for mature students who have shown excellence in literary comprehension and writing skills. The materials are taught with greater complexity, novelty and acceleration. Through disciplined reading of complex literary fiction and literary non-fiction, students develop critical thinking skills, value evidence and build academic language to engage in lively discussions with their peers about the content and their learning. The course provides foundational study of literary genres (novels, short stories, poetry, drama, literary nonfiction) and it includes influential documents. Through reading, writing, listening and speaking, students learn to communicate more effectively. Students develop their writing skills through authentic writing assignments, projects, research and literary analysis. All writing is integrated with grammar and techniques of style. Students work collaboratively with their peers to accomplish learning goals. Students taking this Honors course are expected to complete complex tasks with greater independence.

ENGLISH 2

Prerequisite - English 1

This course continues the development of reading and communication skills through world literature and informational texts using complex text analysis. There is a focus on essay writing, vocabulary development, and application of literary terms. SAT/ACT and research skills are reinforced. Higher order thinking skills are continuously promoted through scaffolded questioning, rationalization of complex thought, generating and creating ideas, and synthesizing and evaluating concepts from the classroom discourse and a variety of texts. Students will work to prepare for the English EOC. Students must pass English 2 to be promoted to 11th grade.

HONORS ENGLISH 2

Prerequisite - "B" or higher in Honors English I or "A" in English I course and teacher recommendation

This rigorous course covers the English II curriculum focused on world literature and informational texts, but with increased acceleration. This course is distinguished by differences in the quality and depth of work expected. The materials are taught with greater complexity and novelty. Students engage in more sophisticated readings of complex texts. Students taking this Honors course are expected to complete complex tasks more independently with less teacher scaffolding. Students must pass English 2 to be promoted to 11th grade.

ENGLISH

COURSE OFFERINGS

COURSE DESCRIPTIONS

ENGLISH 3

Prerequisite - English II

This course continues the development of advanced communication skills using American Literature as a reflection of the American experience. The course includes SAT/ACT skill development. English III provides an in-depth study of US literature and US literary nonfiction, especially foundational works and documents. This course focuses on advancing reading, writing, listening, speaking, and critical thinking skills. Students learn to value textual evidence to provide appropriate oral and written responses. Students take on greater responsibility for their own learning and practice more advanced writing skills.

HONORS ENGLISH 3

Prerequisite - "B" or higher in Honors English II or "A" in English II and teacher recommendation

Honors English III provides an in-depth study of US literature and US literary nonfiction, especially foundational works and documents. This course is distinguished by differences in the quality and depth of work expected. The materials are taught with greater complexity, novelty and acceleration. Through disciplined reading of complex text, students develop critical thinking skills, value evidence, and build academic language to engage in lively discussions with their peers. Students develop their writing skills through authentic writing assignments, projects, research and literary analysis. They take on greater responsibility for their own learning and practice more advanced writing skills.

ENGLISH 4

Prerequisite - English III

This course culminates the study of communication skills using British literature and includes formal, informal, and technical writing, grammar development, word processing applications, and other technology-related studies. A graduation project, which includes a detailed portfolio, a research paper, and a presentation before a panel will also be required.

HONORS ENGLISH 4

Prerequisite - "B" or higher in Honors English III or "A" in English III and teacher recommendation

The major focus of this course is complex forms of composition, grammar skills application, vocabulary development, and a survey of British and Western literature. The survey concentrates on the critical analysis of literature, essays, writing, word processing, and technology skills. A graduation project, which includes a detailed portfolio, a research paper, and a presentation before a panel will also be required. Summer reading may be required for this course. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level. Additional projects and assignments may be required.

COLLEGE ENGLISH

Course descriptions for college courses can be found in The College of The Albemarle course catalog.

MATH COURSE OFFERINGS

SUGGESTED COURSE SEQUENCE

	9th Grade	10th Grade	11th Grade	12th Grade
Standard 4 year Track	Math 1	Math 2	Math 3	a 4th math aligned with post high school plans
Accelerated 3 year Track	Math 1 &/or Math 2	Math 2 &/or Math 3	Math 3 &/or 4th math aligned with post high school plans	
Honors Track Options	Honors Math 1	Honors Math 2	Honors Math 3	Honors Pre-Calculus
	Honors Math 1 &/or Honors Math 2	Honors Math 2 &/or Honors Math 3	Honors Pre-Calculus	COA Math or AP Math
	Honors Math 2 & Honors Math 3	Honors Pre-Calculus	AP Calculus or AP Statistics (full year)	Not required, but COA Math encouraged for college entrance
Additional Course	Foundations of Math 1	4th math options can be found on NCDPI website		
Alternate Diploma Pathways				
Occupational Course of Study	Introduction to Math 1	Math 1	Financial Management	Employment Prep IV: Math (to include 150 work hours)
Extended Content	Financial Management I	Financial Management II	Math 1A (yearlong)	Math 1B

MATH

COURSE OFFERINGS

COURSE DESCRIPTIONS

FOUNDATIONS OF MATH 1

Co-requisite - Math 1, second semester or concurrent enrollment

Foundations of Math 1 is a math skills course that supports students in Math 1. The course is designed to remediate computational skills and conceptual understanding needed for high school level courses with confidence. The topics covered include the real number system; linear, exponential, and quadratic functions; coordinate geometry; systems of equations and inequalities; and statistics/probability. This course must be taken concurrently with NC Math 1.

MATH 1

NC Math 1 formalizes and extends the mathematics that students learned in previous grades. The topics covered include the real number system; linear, exponential, and quadratic functions; coordinate geometry; systems of equations and inequalities; and statistics/probability. Students must take the End of Course Math 1 Exam.

HONORS MATH 1

Prerequisite - 8th grade Math EOG score of Level IV or above and teacher recommendation

NC Math 1 formalizes and extends the mathematics that students learned in previous grades. The topics covered include number theory; linear, exponential, and quadratic functions; coordinate geometry; systems of equations and inequalities; and statistics. Students must take the End of Course Math 1 Exam. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level.

MATH 2

Prerequisite - Math 1

This course continues a progression of the standards established in Math 1. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, and probability.

HONORS MATH 2

Prerequisite - "B" or higher in Honors Math 1 or "A" in Math 1 and teacher recommendation.

This course continues a progression of the standards established in Math 1. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, and probability. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level.

MATH 3

Prerequisite - Math 2

This course progresses from the standards learned in Math 1 and Math 2. In addition to these standards, Math 3 extends to include algebraic concepts such as the complex number system, inverse functions, trigonometric functions, the unit circle, and geometric concepts. Students must take the End of Course Math 3 Exam.

MATH

COURSE OFFERINGS

COURSE DESCRIPTIONS

HONORS MATH 3

Prerequisite - "B" or higher in Honors Math 2 or "A" in Math 2 and teacher recommendation

This course progresses from the standards learned in Math 1 and Math 2. In addition to these standards, Math 3 extends to include algebraic concepts such as the complex number system, inverse functions, trigonometric functions, the unit circle, and geometric concepts. Students must take the End of Course Math 3 Exam. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level.

MATH 4

Prerequisite - Math 3

The primary focus of Math 4 is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. 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. Other topics include operations with complex numbers, matrices, and vectors.

HONORS PRE-CALCULUS

Prerequisite - B" or higher in Honors Math 3 or "A" in Math 3 and teacher recommendation

Precalculus builds upon the study of algebra, functions, and trigonometry experienced in NC Math 1-3. The course will build on algebraic skills and understanding of functions to delve into real world phenomena and to deepen understanding of the functions in the course. This course is designed for students pursuing careers in STEM-related fields. Students will be prepared for Calculus, AP Calculus, and any entry-level college course.. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level. Additional projects and assignments may be required.

AP CALCULUS AB

Year-long course

Prerequisite - Honors Pre-Calculus and teacher recommendation

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP STATISTICS

Year-long course

Prerequisite - B" or higher in Honors Math 3 or "A" in Math 3 and teacher recommendation

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

COLLEGE MATH

Course descriptions for college courses can be found in the College of The Albemarle course catalog.

SCIENCE COURSE OFFERINGS

SUGGESTED COURSE SEQUENCE

	9th Grade	10th Grade	11th Grade	12th Grade
Standard 4 year Track	Earth Environmental Science	Biology (must pass to be promoted to 12th grade)	Physical Science	Additional science not required
Accelerated 3 year Track	Earth Environmental Science	Biology (must pass to be promoted to 12th grade)	Physical Science or Honors Chemistry	
Accelerated Track	Honors Earth Environmental Science	Honors Biology (must pass to be promoted to 12th grade)	Honors Chemistry	Additional science not required, college science recommended
Alternate Diploma Pathways				
Occupational Course of Study	Applied Science	Biology (must pass to be promoted to 12th grade)	Employment Prep1: Science (to include 150 work hours)	Additional science not required
Extended Content		Life Science	Biology A	Biology B

SCIENCE

COURSE OFFERINGS

COURSE DESCRIPTIONS

EARTH ENVIRONMENTAL SCIENCE

This course explores Earth's geological and environmental systems and the impact of human interactions on these systems. Students engaged in activities that examine evidence and issues relevant to natural processes that affect our lives. Major topics include astronomy, geology, meteorology, and oceanography.

HONORS EARTH ENVIRONMENTAL SCIENCE

Prerequisite - Math 1 or a score of level IV or higher on 8th grade Science EOG and teacher recommendation

This course is designed to increase students' awareness of the planet on which they live. Topics covered include scientific process skills, meteorology, geology, and astronomy, with emphasis on conservation of our natural resources and preservation of our physical environment. In-depth studies of selected topics involving advanced reading, writing assignments, and science projects are required. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level. Additional projects and assignments may be required.

BIOLOGY

Prerequisite - Earth Environmental Science

Biology is the basic study of concepts, principles, and theories that allow students to understand their natural environment. The topics covered include ecology, the cell, genetics, evolution, and the characteristics, distribution, behavior, reproduction, and survival of living things. Using the inquiry approach, emphasis is placed on problem solving through investigation, data collection, and the interpretation of results. This is a NC EOC course.

HONORS BIOLOGY

Prerequisite - "B" or higher in Honors Earth Science or "A" in Earth Science and teacher recommendation

This course presents an in-depth study of biology topics. Using the inquiry approach, emphasis is placed on problem solving through investigation, data collection, and the interpretation of results. Requirements may include more advanced laboratory activities, research papers, or work-related projects within the field of science. This course is designed for students who intend to pursue advanced study in Biology. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level. Additional projects and assignments may be required.

PHYSICAL SCIENCE

Prerequisite - completed or enrolled in Math 2

This course focuses on an introductory study of chemistry and physics concepts, principles, and theories. Topics include atomic theory and matter, inorganic and organic chemistry, mechanics, electricity and magnetism, and energy. Using the inquiry approach, emphasis is placed on problem solving through investigation, observation, data collection, and interpretation of results.

SCIENCE

COURSE OFFERINGS

COURSE DESCRIPTIONS

HONORS CHEMISTRY

Prerequisite - Math 3 and "B" or higher in Honors Biology or "A" in Biology and teacher recommendation

This course will include a more in-depth study of chemistry. Chemistry is the study of composition, structure and properties of substances and the changes they undergo. Topics include matter and energy, periodic properties of elements, phases of matter, stoichiometry, kinetic theory of matter, chemical reactions, measurement and calculations, and acids/bases. Lab exercises will be used to reinforce the discussions in a hands-on, practical way. Additional topics include molecular structure, polar molecules, introduction to thermodynamics, and organic chemistry. The laboratory exercises will be more advanced. Honors level includes a more in-depth, rigorous study of the standards and will require students to think and engage with tasks at a higher level. Additional projects and assignments may be required.

COLLEGE SCIENCE

Course descriptions for college courses can be found in the college catalog.

SOCIAL STUDIES COURSE OFFERINGS

SUGGESTED COURSE SEQUENCE

	9th Grade	10th Grade	11th Grade	12th Grade
Standard 4 year Track	World History	American History	Founding Principles of US & NC Civic Literacy	Economics & Personal Finance
Accelerated 3 year Track	World History	American History and Founding Principles of US & NC Civic Literacy	Economics & Personal Finance	
Honors Track Options	Honors World History	Honors American History	Honors Founding Principles of US & NC Civic Literacy	Honors Economics & Personal Finance
	Honors World History	AP US History (full year)	Honors Founding Principles of US & NC Civic Literacy	Honors Economics & Personal Finance
	Honors World History	Honors Founding Principles of US & NC Civic Literacy	HIS 131 & HIS 132*	Honors Economics & Personal Finance
Alternate Diploma Pathways				
Occupational Course of Study	Founding Principles of US & NC Civic Literacy	Employment Prep 2: Citizenship 1A (to include 75 work hours)	Employment Prep 2: Citizenship 1B (to include 75 work hours)	Economics & Personal Finance
Extended Content	World History	American History	Founding Principles of US & NC Civic Literacy	Economics & Personal Finance

* Must complete both COA courses to meet the American History graduation requirement.

SOCIAL STUDIES COURSE OFFERINGS

COURSE DESCRIPTIONS

WORLD HISTORY

World History is designed to be a historical study of societies, nations, economies, events, and cultures of the many regions of the world, providing historical background for each area and details inclusive of change over time, historical impact, religion, diplomacy, culture practices and beliefs, and economic, political, and social institutions. The course is intended to examine the historical development of the world and global issues and patterns since 1200. The course also explores underlying themes of: power and authority; change and continuity; human-environment interaction; globalization; cultural diffusion; and individual and group identity.

HONORS WORLD HISTORY

Prerequisite - score of level IV or higher on 8th grade Social Studies EOG and teacher recommendation

Honors World History is designed to be a historical study of societies, nations, economies, events, and cultures of the many regions of the world, providing historical background for each area and details inclusive of change over time, historical impact, religion, diplomacy, culture practices and beliefs, and economic, political, and social institutions. The course is intended to examine the historical development of the world and global issues and patterns since 1200. The course also explores underlying themes of: power and authority; change and continuity; human-environment interaction; globalization; cultural diffusion; and individual and group identity.

AMERICAN HISTORY

This course will explore the overarching themes, trends, and concepts of our nation's history, including the development and evolution of the American system of government, the patterns and impact of migration and immigration, cultural development through the arts and technological innovations, relationships with foreign nations, and the role of both the individual and diverse groups in building the American story. Students in this course will be asked to investigate major turning points in American History to develop an understanding of multiple causation, to determine patterns of change and continuity, and to be able to compare multiple perspectives of the past. Rooted in Inquiry-based skills, students will trace American development while learning to craft compelling questions, synthesize and evaluate evidence, develop claims, communicate ideas, and take informed action. Students will continue to build upon previous studies of American History, the fundamental concepts in civics and government, economics, behavioral science (culture), and geography taught in grades kindergarten through eight as they examine American history. As well-rounded, productive citizens, students will leave the American History course with both the knowledge and the skills to engage with the modern world by recognizing contemporary patterns and connections.

SOCIAL STUDIES COURSE OFFERINGS

COURSE DESCRIPTIONS

HONORS AMERICAN HISTORY

Prerequisite - "B" or higher in Honors World History or "A" in World History and teacher recommendation

Honors American History is distinguished by difference in the quality and depth of the work expected. The materials are taught with greater complexity, novelty, and acceleration. This course will explore the overarching themes, trends, and concepts of our nation's history, including the development and evolution of the American system of government, the patterns and impact of migration and immigration, cultural development through the arts and technological innovations, relationships with foreign nations, and the role of both the individual and diverse groups in building the American story. Students in this course will be asked to investigate major turning points in American History to develop an understanding of multiple causation, to determine patterns of change and continuity, and to be able to compare multiple perspectives of the past. Rooted in Inquiry-based skills, students will trace American development while learning to craft compelling questions, synthesize and evaluate evidence, develop claims, communicate ideas, and take informed action. Students will continue to build upon previous studies of American History, the fundamental concepts in civics and government, economics, behavioral science (culture), and geography taught in grades kindergarten through eight as they examine American history. As well-rounded, productive citizens, students will leave the American History course with both the knowledge and the skills to engage with the modern world by recognizing contemporary patterns and connections.

FOUNDING PRINCIPLES OF US & NC CIVIC LITERACY

This course provides students the opportunity for a deeper study of the governmental and political systems of the N.C. and the U.S. and will build upon the application of the Founding Principles. This course will allow students to examine the ways in which power and responsibility are both shared and limited by the U.S. Constitution and how the judicial, legal, and political systems of North Carolina and the United States embody the founding principles of government. Students in this course will analyze and evaluate the extent to which the American system of government guarantees, protects, and upholds the rights of citizens. Through the integration of inquiry-based learning, students will also investigate how the American system of government has evolved over time while learning how to analyze topics, issues, and claims in order to communicate ideas and take action to effect change and inform others.

HONORS FOUNDING PRINCIPLES OF THE UNITED STATES & NC: CIVIC LITERACY

Prerequisite - "B" or higher in Honors American History or "A" in American History and teacher recommendation

Honors Founding Principles of the United States and North Carolina: Civic Literacy is distinguished by differences in the quality and depth of work expected. Students cover the material in greater complexity, novelty and acceleration. Students express and defend their ideas, orally and in writing, while attaining the distance necessary to value multiple viewpoints. This course provides students the opportunity for a deeper study of the governmental and political systems of the N.C. and the U.S. and will build upon the application of the Founding Principles. This course will allow students to examine the ways in which power and responsibility are both shared and limited by the U.S. Constitution and how the judicial, legal, and political systems of North Carolina and the United States embody the founding principles of government. Students in this course will analyze and evaluate the extent to which the American system of government guarantees, protects, and upholds the rights of citizens. Through the integration of inquiry-based learning, students will also investigate how the American system of government has evolved over time while learning how to analyze topics, issues, and claims in order to communicate ideas and take action to effect change and inform others.

SOCIAL STUDIES COURSE OFFERINGS

COURSE DESCRIPTIONS

AP US HISTORY

Year-long course

Prerequisite - B or higher in Honors World History and teacher recommendation.

This course will cover periods of American History from the Colonial era to present day. A heavy emphasis will be placed on reading the text provided for this course in addition to outside reading and research. Students will interpret primary sources, present material, write essays, and complete analytical and research papers. *AP US History may be substituted for American History to meet graduation requirements, but will only count for one social studies credit and one elective credit.*

ECONOMICS & PERSONAL FINANCE

Economics and Personal Finance supports the development of students who understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students should be provided with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society. 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.

HONORS ECONOMICS & PERSONAL FINANCE

Honors Economics & Personal Finance is distinguished by difference in the quality and depth of the work expected. The materials are taught with greater complexity, novelty, and acceleration. Economics and Personal Finance supports the development of students who understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students should be provided with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society. 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.

COLLEGE SOCIAL STUDIES

Course descriptions for college courses can be found in the college catalog.

**2024-2025
COURSE CATALOG**



ELECTIVE COURSES

HEALTH & PHYSICAL EDUCATION COURSE OFFERINGS

COURSE DESCRIPTIONS

HEALTH & PE

A healthful living course is required of all students for graduation. This course will cover stress management, relationships, substance abuse, disease prevention, self-protection, nutrition, and weight control. This course also includes a study of physical fitness, physical conditioning, and skills and knowledge of lifetime sports.

ADVANCED SPORTS

Prerequisite - C or better in Health & PE

This course will provide instruction in rules, regulations, skills, strategies, and participation in several team sports such as football, volleyball, basketball, softball, baseball, and soccer. Students will also participate in activities to increase their muscular strength and cardiovascular fitness.

LEISURE SPORTS

Prerequisite - C or better Advanced Sports

This course will provide instruction in rules, regulations, skills, strategies and participation in several leisure sports such as tennis, badminton, volleyball, basketball, and bowling. Students will also participate in activities to increase their muscular strength and cardiovascular fitness.

WEIGHT TRAINING I

Prerequisite - B or better in Health & PE

This program is designed for the novice weight-training student. It involves introductory techniques of weight training and cardiovascular conditioning, safety precautions and injury prevention, and other methods of weight management. The major focuses are general muscle toning and achieving total fitness, as well as gaining an understanding of anatomy and physiology as related to weight training.

WEIGHT TRAINING II - IV

Prerequisite - B or better in previous level of Weight Training

This course is an advanced strength and conditioning program. Students should be in good physical shape for this course. This program is strongly recommended for student athletes.

HONORS WEIGHT TRAINING

Prerequisite - B or better in Health & PE or previous level of Weight Training

This course is an advanced strength and conditioning program. Students should be in good physical shape for this course. This program is strongly recommended for student athletes. Students will also complete a healthy living plan throughout the life of the course to track their strength gains, dietary needs, and other factors that impact overall conditioning and strength.

FIELD MAINTENANCE I & II

Prerequisite - teacher approval

The field maintenance class is structured to expose students to the skills needed in the field and landscape maintenance industries. Students will have the opportunities to extend their work-based training through “Job Ready” and “High Schools that Work” programs. Students will be able to develop a portfolio of work experiences through school-based activities, internships, and job shadowing.

FINE ARTS

COURSE OFFERINGS

COURSE DESCRIPTIONS

ART

VISUAL ARTS I BEGINNING

This course is designed for students with little or incomplete foundational skills and knowledge in the visual arts. The course emphasizes the study of the elements of art and principles of design, and color theory, art, vocabulary, art criticism, art history, safety in the art room. Students will apply creative and critical thinking skills to artistic expression and use the language of the visual arts to communicate effectively.

VISUAL ARTS II INTERMEDIATE

Prerequisite - Visual Arts I

This course offers an in-depth study of design through repeated use of art elements and principles, while expanding technical abilities. Design is taught through experiences in the following areas: drawing and painting, art history printmaking (silk screening, lino cuts and/or woodcuts), and three-dimensional design (wood, clay, fibers).

VISUAL ARTS III PROFICIENT - HONORS

Prerequisite - Visual Arts II or portfolio

This level of advanced art involves more in-depth knowledge of processes, media, history, and the development of art. Students understand and apply all skills through a variety of media. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students are encouraged to explore a variety of media, to produce experimental culturally significant works of art, and to gain an extensive knowledge of art history.

VISUAL ARTS IV ADVANCED - HONORS

Prerequisite - Visual Arts III or portfolio

This course offers a concentrated study in areas selected cooperatively between the art teacher and the student. Students are challenged by the teacher to evaluate their art products to solve problems in terms of the chosen art media and learn concepts and skills as they relate to personal art expressions. Students will be working towards specific portfolio goals in Drawing/Painting, Color & Design, artist research, and a concentrated area of study where the work will focus on a specific theme or the student's choosing. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students initiate, define, and solve challenging visual arts problems independently using intellectual skills such as analysis, synthesis, and evaluation. Students have in-depth experiences in reflecting upon and assessing the characteristics and merits of their work and the work of others.

YEARBOOK

YEARBOOK

Year-long course

Only available for 10th-12th grade students

The yearbook courses offer the student total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copywriting, and proofing. Students also have the opportunity to develop higher-level writing skills and business management procedures, and they can enhance their knowledge of the laws and ethics of journalism.

FINE ARTS

COURSE OFFERINGS

COURSE DESCRIPTIONS

MUSIC

GENERAL MUSIC

A lecture formatted class on Music history, industry, and literacy.

UKULELE

Students will learn the fundamentals of learning a string instrument through playing ukuleles. Skills covered include tab reading, chord reading, basic music literacy, and performance skills.

BAND (HONORS CREDIT AVAILABLE)

Prerequisite - prior band experience or approval from the band director

This course develops skills in instrumental musicianship on all woodwind and brass instruments. The general expectation is that a student taking band will register for both semesters, exceptions to this can be made if scheduling conflicts arise for curricular needs or other curricular interests. In the Fall semester, students are required to be members of the marching band/pep band. Students may take this course every semester.

Honors Requirement - Students must prepare all-district or all region jazz audition material in the Fall. Student playing tests will be at the equivalent of a non-honor test one grade higher if applicable.

PERCUSSION (HONORS CREDIT AVAILABLE)

Prerequisite - prior band experience or approval from the band director

This course develops skills in instrumental musicianship on all percussion instruments. The general expectation is that a student taking band will register for both semesters, exceptions to this can be made if scheduling conflicts arise for curricular needs or other curricular interests. In the Fall semester, students are required to be members of the marching band/pep band. Students may take this course every semester.

Honors Requirement - Students must prepare all-district or all region jazz audition material in the Fall. Student playing tests will be at the equivalent of a non-honor test one grade higher if applicable.

MODERN BAND

Modern Band is a module-based course where students are required to learn a variety of instruments ranging from piano, bass guitar, ukulele, and guitar. This class is focused on individual musicianship but will have class projects that involve preparing songs as a small ensemble.

Honors Requirement - Students must pass an introductory test on the first week of class to pass out of introductory units. Each module will have additional honors level requirements to be completed if taking the honors option for the course.

FINE ARTS

COURSE OFFERINGS

COURSE DESCRIPTIONS

THEATER

THEATER APPRECIATION

The purpose of this course is to increase students' understanding, appreciation, and critical perceptions of the theatrical event. Readings and lessons will focus on the elements of theatrical practice; artists and innovators of theatre throughout history.

TECHNICAL THEATRE

Students explore the various aspects of design and production for theatre. Areas of study may include scenery, lighting, sound, makeup, properties, costumes, and stage management. Participating in school productions by providing technical support is highly encouraged for all students in this course. Students may take this course once per year; however additional responsibilities will be expected each year.

ACTING

Fall Only

This course covers the fundamentals of acting and character development. Students create believable characters through improvisation, pantomime/mime, monologues, two-person scenes and group scenes. Blocking techniques, vocal work, body movements and facial expressions are areas explored by Acting students. Scenes from different historical periods and cultural perspectives are selected, directed and performed by the students under the supervision of the instructor. Learning lines is a requirement of this course. Students perform audition style monologues and produce an analysis for a one-act play they might direct. Participating in the fall play is highly encouraged for all students in this course. Students may take this course once per year; however additional responsibilities will be expected each year.

MUSICAL THEATER

Spring Only

Musical Theatre will expose students to a wide range of onstage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students will receive comprehensive and rigorous instruction so that they may make informed choices about the craft. The course will enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. The course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and all other aspects of musical production. Participating in the spring musical is highly encouraged for all students in this course. Students may take this course once per year; however additional responsibilities will be expected each year.

WORLD LANGUAGES COURSE OFFERINGS

COURSE DESCRIPTIONS

SPANISH 1

Spanish I is designed to give students a balanced exposure to all four language skills and culture, centered around the accurate reproduction of Spanish sounds and the ability to comprehend spoken Spanish. The following are course objectives: accurate pronunciation; a working knowledge of the structure and function of the Spanish verb system, with primary emphasis on the present tense; acquisition of basic vocabulary; cultural understanding; and ability to comprehend spoken Spanish that uses familiar vocabulary and structures. Upon completion of the course, students should be able to communicate, at the very minimum, at Novice Mid proficiency level.

SPANISH 2

Prerequisite - Spanish 1

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in simple conversational situations by combining and recombining learned elements of the language orally and in writing. They are able to satisfy basic survival needs and interact on issues of everyday life in the past and present, both inside and outside of the classroom setting. Students will compose related sentences which narrate, describe, compare, and/or summarize familiar topics from the culture. Students will develop a better understanding of the similarities and differences between cultures and languages and examine the influence of the beliefs and values on the culture. Instruction will mostly be in Spanish.

Foreign Language is not required for high school graduation; however, it is a recommendation for entrance for the UNC College System and most 4 year universities.*

*For students applying for first-time (freshman) admission to constituent institutions after the 2024 spring semester: Two additional courses from English, mathematics, science, social studies, world languages, or computer science. (Note: these courses should be selected in alignment with a student's academic and career objectives. Completion of two sequential world language courses is recommended.

CTE

COURSE OFFERINGS

COURSE DESCRIPTIONS

AGRICULTURE

AGRICULTURAL MECHANICS I

In this course, students will develop knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. They will identify day-to-day maintenance and repair needs of agricultural mechanics equipment. Students will generate knowledge of agricultural mechanics safety and hand/power tool use and selection. They will develop an understanding of electrical wiring and basic agricultural metal and wood fabrication. Students build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. They gain the knowledge and skills for careers in the Power, Structural and Technical Systems pathway.

AQUACULTURE I

This course focuses on the basic scientific principles and processes that are involved in aquaculture. Topics include aquaculture basics and history, aquatic plants and animals, marketing aquaculture, management practices for finfish, and management practices for crustaceans and mollusks. English language arts, mathematics, and science are reinforced.

AQUACULTURE II (HONORS)

Prerequisite - Aquaculture I

This course further develops students' understanding of aquaculture concepts that were introduced in Aquaculture I. The course focuses on best management practices for the cultivation and harvesting of several aquatic species including alligators, frogs, oysters, tilapia, trout, catfish, crabs, and striped sea bass. It also focuses on aquaponic systems and the cultivation of aquatic plants. Aquaculture structures, species nutrition, fish health and disease, water quality issues and concerns, regulatory agencies involved with aquaculture, business management concepts, and career opportunities are also topics covered in this course.

ANIMAL SCIENCE I

In this course, students will explore the impact animal physiology has on animal nutrition and health. They will identify animals using physical traits and characteristics. Students will implement best management practices to select healthy animals. They will build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Students gain the knowledge and skills for careers in the Animal Science pathway.

ANIMAL SCIENCE II - FOOD ANIMAL

Prerequisite - Animal Science I

This course will expand knowledge of animal anatomy and physiology and utilize genetics to improve animal performance. Students will formulate nutrition plans to produce food animals and design facilities to manage animal production systems. They will develop an understanding of veterinary terminology and practices, and will build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Students will gain the knowledge and skills for careers in the Animal Science pathway.

CTE

COURSE OFFERINGS

BIOTECHNOLOGY & AGRISCIENCE RESEARCH I (HONORS)

This course provides instruction in the technologically advanced world of agriculture and life sciences. Students are exposed to the latest techniques and advances in plant and animal biotechnology with a strong emphasis on hands-on activities. English language arts, mathematics, and science are reinforced.

BIOTECHNOLOGY & AGRISCIENCE RESEARCH II (HONORS)

Prerequisite - Biotechnology and Agriscience Research I

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

EQUINE SCIENCE I

In this course students connect environmental factors to equine behavior. They will conceptualize how anatomy influences equine movement and internal organs. Students build knowledge of nutritional physiology and feeding management of horses. They will explore the tools and equipment used to support equine sports and recreation through hands on activities. Students build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. They gain the knowledge and skills for careers in the Equine Science pathway.

EQUINE SCIENCE II (HONORS)

Prerequisite - Equine Science I

In this course students develop advanced applications in feeding and management of equine. They participate in the selection of horses for multiple equine disciplines based on the structure and functionality of the animal. Students develop facility and management plans for horses. They monitor equine health through diagnostic procedures. Students build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. They gain the knowledge and skills for careers in the Equine Science pathway.

HORTICULTURE I - INTRODUCTION TO PLANTS

Students will grow their knowledge of plant biology and environmental conditions plants need to thrive. They will cultivate plant identification skills and experiment with propagation and production practices. Students build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. They gain the knowledge and skills for careers in Plant Systems pathway.

HORTICULTURE II - PLANT PRODUCTION

Prerequisite - Horticulture I

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

CTE

COURSE OFFERINGS

COURSE DESCRIPTIONS

BUSINESS

ACCOUNTING I

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.

BUSINESS ESSENTIALS

This course allows students to explore realistic business principles by examining the business environment and primary business activities. They will conceptualize ethics, customer relations, and human resource management through workplace scenarios. Investigate the usage of financial analysis, economics, information management, marketing, operations, and technology in the business world of the 21st century. Students will gain the knowledge and skills for careers in multiple business pathways.

BUSINESS LAW

Only available for 11th - 12th grade students

This course is designed to acquaint students with the basic legal principles common to all aspects of business and personal law. Business topics include contract law, business ownership including intellectual property, financial law, and national and international laws. Personal topics include marriage and divorce law, purchasing appropriate insurance, renting and owning real estate, employment law, and consumer protection laws. English language arts and social studies are reinforced.

BUSINESS MANAGEMENT I

Prerequisite - Business Essentials

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

BUSINESS MANAGEMENT II

Prerequisite - Business Management I

Only available for 10th - 12th grade students

This course is designed to enable students to acquire, understand, and appreciate the significance of management to business organizations. Students will investigate how managers control financial resources, inventory, ensure employee safety, and protect customer service 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.

CTE

COURSE OFFERINGS

ENTREPRENEURSHIP I

Prerequisite - Business Essentials or Marketing

Only available for 10th - 12th grade students

In this course, students will conceptualize starting, opening, working for, and operating a small business. They will explore feasibility, design thinking, entrepreneurial mindset, and the Lean Canvas Business Model. Students investigate channel management, pricing, product/service management, and promotion. They will gain the knowledge and skills for careers in entrepreneurship.

ENTREPRENEURSHIP II

Prerequisite - Entrepreneurship I

Only available for 10th - 12th grade students

In this course, students utilize business planning strategies to accelerate the implementation of a business idea. They will construct plans for risk management, staffing, and promotions. Students will develop a business plan complete with a SWOT analysis and action plan. They will gain the knowledge and skills for careers in entrepreneurship.

MARKETING I

In this course students will implement dynamic marketing processes and activities. They will develop an understanding of marketing functions and their impact on business operations. Students will conceptualize a comprehensive marketing plan. They will gain the knowledge and skills for careers in marketing.

SPORTS AND EVENT MARKETING I

Only available for 10th - 12th grade students

In this course, student will explore sport and event industries, associated marketing strategies, and branding concepts. They will develop an understanding of promotion and marketing data related to sports and events. Students will weave together the concepts to create a proposal for a unique event. They will gain the knowledge and skills for careers in sport and event marketing.

PROJECT MANAGEMENT

In this course, students will explore the principles, concepts, and software applications used in the management of projects from conception to completion. They will utilize project-based learning to exemplify the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. Students will analyze the core concepts of scope, time, cost, and integration. They will gain the knowledge and skills for careers across multiple pathways.

CTE

COURSE OFFERINGS

COURSE DESCRIPTIONS

FAMILY & CONSUMER SCIENCE

CHILD DEVELOPMENT

In this course, students will investigate the major influences on child development including culture, heredity, and environmental factors. They will explore the importance of early relationships and how they promote healthy brain development while identifying characteristics of children birth through age five. Students will identify the different theories of child development and their impact on the physical, social, emotional, and cognitive domains of development in children. They will gain the knowledge and skills for careers in early childhood development and services.

EARLY CHILDHOOD EDUCATION I

Prerequisite - Child Development and student must be age 16 before September 1, and able to provide their own transportation to and from internship site(s).

**Students are required to complete a TB screening, health questionnaire, and criminal background check.*

In this course, students will acquire the knowledge and skills needed to provide developmentally appropriate practices in high quality early childhood education programs. They will explore ways of creating a child-centered approach to curriculum planning that includes the use of space, materials, relationships, play, and observations. Students will participate in practical hands-on internship working within the early childhood classroom, learn how to meet the individual needs of children with varying abilities, and reflect on learning experiences and their impact on children. They will gain the knowledge, skills, and industry credential for careers in early childhood development and services.

INTERIOR DESIGN FUNDAMENTALS

In this course students build the knowledge and technical skills necessary to provide a foundational knowledge of the design industry. They explore design thinking and utilize the interior design process. Students apply interior design principles and illustrate design solutions through visual communication. They gain the knowledge and skills for careers in interior design.

INTERIOR DESIGN STUDIO

Prerequisite - Interior Design Fundamentals

In this course students devise an understanding of the multiple roles of an interior designer. They utilize artistic and design factors in the planning, selection, and arrangement of interior spaces to meet the needs of families in the interior environment. Students participate in creating a portfolio that includes a diverse understanding of multiple areas of design. They gain the knowledge and skills for careers in interior design.

CTE

COURSE OFFERINGS

COURSE DESCRIPTIONS

HEALTH SCIENCE

HEALTH SCIENCE I

In this course students explore anatomy, physiology, diseases, and disorders within human body systems. They will understand structural organization of the human body as it applies to recognizing and responding to first aid emergencies. Students engage in projects, teamwork, collaboration, and demonstration to reinforce curriculum content. They gain knowledge, skills, and industry credentials for careers in the Healthcare Professional pathway.

HEALTH SCIENCE II

Prerequisite - Health Science I or PLTW Human Body Systems

In this course students understand the healthcare industry, including employability skills, cultural awareness, safety, and infection control procedures used by healthcare professionals. They develop an understanding of the cardiovascular and respiratory systems to apply knowledge and skills toward earning industry recognized credentials. Students demonstrate understanding of curriculum content through projects, collaborations, and teamwork. They gain the knowledge, skills, and credentials for careers in the Healthcare Professional pathway.

BIOMEDICAL TECHNOLOGY I

Prerequisite - Health Science I or PLTW Human Body Systems

This course challenges students to investigate trends in healthcare and research to include ethics and medicine. They explore trends in forensic medicine, infectious disease(s), and organ transplants. Students examine cell biology related to cancer and biomedical research. They gain the knowledge and skills for careers in the Biomedical Technology pathway.

BIOMEDICAL TECHNOLOGY II

Prerequisite - Biomedical Technology I

This course focuses on genetics, neurobiology, sleep disorder and biological rhythms, bioethics, the evolution of medicine, and use of technology to study cellular and molecular biology. The curriculum was developed by the National Institutes of Health (NIH). Students will learn about careers in biotechnology within the context of the course content. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

CTE

COURSE OFFERINGS

COURSE DESCRIPTIONS

PUBLIC SAFETY

FIREFIGHTER TECHNOLOGY I

Only available for 10th-12th grade students

This course covers part of the NC Firefighter certification modules required for all Firefighters in North Carolina. The modules include Orientation, Communications, Health and Safety, PPE, Building Construction, Portable Extinguishers, Fire Behavior, Tools and Forcible Entry, and Loss Control. In this course students gather basic knowledge and skills required in firefighting. They develop skills in communications, use of personal protective equipment, forcible entry, fire extinguishers, and building construction. Students perform basic firefighter skills associated with the knowledge obtained in this course. They gain the knowledge, skills, and industry credentials for careers in firefighter technology.

FIREFIGHTER TECHNOLOGY II

Prerequisite - Firefighter Technology I

Only available for 11th - 12th grade students

This course covers part of the NC Firefighter certification modules required for all firefighters in North Carolina. The course enhances knowledge and skills required in firefighting. Students develop skills in ladders, ventilation, ropes and knots, water supplies, hoses, appliances for search and rescue, and emergency medical care operations. They perform intermediate firefighter skills associated with the knowledge obtained in this course. Students gain the knowledge, skills, and industry credentials for careers in firefighter technology.

FIREFIGHTER TECHNOLOGY III (HONORS)

Prerequisite or Co-requisite - Firefighter Technology II

Only available for 11th - 12th grade students

This course covers part of the NC Firefighter certification modules required for all firefighters in North Carolina. The course maximizes knowledge and skills required in firefighting. Students develop tasks related to skills used in rescue, fire protection, fire and life safety, mayday, HAZMAT, and traffic incident management. They perform advanced firefighter skills associated with the knowledge obtained in this course. Students gain the knowledge, skills, and industry credentials for careers in firefighter technology.

CTE

COURSE OFFERINGS

COURSE DESCRIPTIONS

TRANSPORTATION

AUTOMOTIVE SERVICE FUNDAMENTALS

This course prepares students for an entry-level position in the Automotive Service industry. Students develop basic skills in shop safety, shop equipment, and hand tool usage. They engage in identifying vehicle systems, system components, and various vehicle fluids. Students gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

AUTOMOTIVE SERVICE I

Prerequisite - Automotive Service Fundamentals

In this course students develop skills and knowledge needed to service modern vehicles. They perform basic brake inspection and service. Students explore Ohm's law in basic electrical service applied to vehicles. They gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

AUTOMOTIVE SERVICE II (HONORS)

Prerequisite - Automotive Service I

In this course students perform basic suspension and steering inspections and service. They research vehicle information, service bulletins, and recalls on vehicles being serviced. Students gather information on vehicle codes and module data used to diagnose vehicle systems. They gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

AUTOMOTIVE SERVICE III (HONORS)

Prerequisite - Automotive Service II

In this course students explore more advanced and in-depth vehicle repairs and services. They perform basic system diagnosis. Students expand knowledge in heating and air conditioning system operations. They gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

CTE COURSE OFFERINGS

COURSE DESCRIPTIONS

ADVANCED CTE COURSES

CTE ADVANCED STUDIES

Prerequisite: Two credits in one Career Cluster

Only available for 11th - 12th grade students

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

CTE INTERNSHIP

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.

Please complete the CTE Internship Interest Form by using the QR code to the right.



VETERINARY ASSISTING

Prerequisite - Animal Science II or Equine Science II, and teacher approval

Only available for 11th - 12th grade students

In this course students develop the skills, techniques, and knowledge to earn a veterinary assistant credential. They perform proper veterinary practice management and client relations through hands-on skills. Students formulate veterinary medical dosages using appropriate medical terminology, establish animal handling skills in practicum settings, and establish surgical and radiological procedures through skill-based scenarios. They build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Students gain the knowledge and skills for careers in the Animal Science pathway.

EMERGENCY MEDICAL TECHNICIAN

Prerequisite - Meet all COA dual-enrollment requirements and Admission to EMS program

Requires completion of an EMT internship

Successful completion of this course will receive 3 high school credits

This college 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.

CTE CAREER PATHWAYS

CTE CAREER PATHWAYS

- Agricultural Education (AG)
 - Animal Science
 - Equine Science
 - Plant Systems
 - Power, Structural, and Technical Systems
- Business, Finance, and Marketing Education (BFM)
 - Entrepreneurship
- Family & Consumer Sciences (FCS)
 - Early Childhood Development and Services
 - Interior Design
- Health Science Education
 - Healthcare Professional
- Trade, Technology, Engineering, and Industrial Education
 - Automotive Services
 - Firefighter Technology

More information can be found through the PCHS school counselors or through the NC CTE website https://center.ncsu.edu/nccte-cms/program_pathways.php

**2024-2025
COURSE CATALOG**



**ADDITIONAL
ACADEMIC
OPPORTUNITIES**

ADDITIONAL ACADEMIC OPPORTUNITIES

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If interested, please complete the CTE Internship Form by using the QR code to the right.



ACADEMIC SUCCESS

This semester long course is designed to help students manage the expectations, academic rigor, and social issues of high school. This course covers various study skills, note-taking, character education, test-preparation, research procedures, as well as reading and writing strategies. Students will learn and practice organizational skills to help better manage their assignments.

PQ AMBASSADORS

Prerequisite - must be a student in good standing, complete an application, and submit a recommendation from PCHS staff member.

Only available for 10th - 12th grade students, priority given to 11th - 12th grade students interested in a career in education.

This course is designed to strengthen student leadership skills, work ethic, and self-awareness. Lessons will focus on teaching methods, and techniques will be provided to prepare students for hands-on classroom experience with students in grades K-5. Students will be required to complete community service opportunities throughout the semester.

NORTH CAROLINA GOVERNOR'S SCHOOL

The North Carolina Governor's School is a four-week summer residential program for gifted and talented high school students, integrating academic disciplines, the arts, and unique courses on each of two campuses. Learning focuses on the exploration of the most recent ideas and concepts in each discipline, and it does not involve credit, tests, or grades. Students are selected to attend through a competitive process after being nominated by their public school unit or non-public school.

* Please notify your school counselor if you are interested in attending NC Governor's School.

For additional information please review the NC Governor's School website

(<https://www.dpi.nc.gov/students-families/enhanced-opportunities/north-carolina-governors-school>)

ADDITIONAL ACADEMIC OPPORTUNITIES

NORTH CAROLINA SCHOOL OF SCIENCE & MATHEMATICS

The NC School of Science & Mathematics inspires talented young North Carolinians to pursue studies in science, technology, engineering, and math.

NCSSM provides four opportunities for NC students.

1. Residential Program - Residential, full-time 11th and 12th grade public school for talented NC students with an interest in STEM, offered in both Durham and Morganton. (would no longer be a PCHS student)
2. Online Program - Two-year series of STEM courses delivered online for admitted NC 11th- and 12th-graders to supplement their local high school education
3. Summer Program - For rising 5th- through 12th-graders seeking academic challenges among like-minded peers.
4. NCSSM Connect* - Live, remotely taught honors courses that supplement the curriculum of partnering local schools in North Carolinas.

*Students wishing to participate in NCSSM Connect courses should review the NCSSM enrollment criteria. Student MUST meet the requirements of NCSSM before we can attempt to enroll them. NCSSM determines when each course is taught and the course capacity. The requested NCSSM course must fit within the student's high school schedule. PCHS cannot remove a course required for graduation in order to take an NCSSM course. Students should indicate their interest in taking these courses on their registration form. Students must be registered in the course prior to the start of each semester.

For additional information, please review the NCSSM website (<https://www.ncssm.edu/>).

**2024-2025
COURSE CATALOG**



**COLLEGE OF THE
ALBEMARLE
OPPORTUNITIES**

COLLEGE OF THE ALBEMARLE OPPORTUNITIES

Students interested in the Career & College Promise program should discuss these options with their school counselor. CCP is only available to 11th & 12th grade students with a 3.0 or higher GPA. 9th & 10th grade students may be eligible for the CCP program if they have a 3.0 or higher GPA and are classified as AIG in both reading and math. Students must pass the COA placement test(s) in order to participate in this program prior to 11th grade. Students desiring to take dual enrollment classes should begin the process by completing the form located at

https://docs.google.com/spreadsheets/d/1iH55g_QgtJoOAY9LdL8bYB_QcFBvkFhYHZuFc8PfwGE/copy

CAREER & COLLEGE PROMISE (CCP) ASSOCIATE DEGREE PATHWAYS

- Associate Degree Pre-Nursing Pathway
- Associate in Arts in Teacher Preparation Pathway
- Associate in Arts Pathway
- Associate in Engineering Pathway
- Associate in Fine Arts in Visual Arts Pathway
- Associate in Fine Arts in Theatre Pathway
- Associate in Science in Teacher Preparation Pathway
- Associate in Science Pathway

CAREER & COLLEGE PROMISE (CCP) CTE PATHWAYS

- Agribusiness Technology
- Aviation
- Criminal Justice
- Early Childhood Education
- Emergency Medical Science
- General Business Administration
- Global Business
- Health and Fitness Science
- Healthcare IT Foundations
- IT: Computer Programming
- IT: Workplace IT Professional
- Medical Assisting
- HVAC Technology
- Computer-Aided Drafting
- Computer Integrated Machining
- Computer Programming
- Computer Support Technician
- Culinary Arts
- Human Services Technology
- Nurse Aide
- Phlebotomy
- Welding Technology

More information can be found through the PCHS school counselors or through the College of The Albemarle website

<https://www.albemarle.edu/apply-register/degree-seeking-credit-students/high-school-students/>