**Occupational Course of Study courses**

Unless noted, all courses are 1 semester and count as 1 unit of credit.

**Preparation**

9240BX0 Prep I

**Prerequisite:** None

This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training in Career and Technical Education courses and the operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

96100X01 Prep I Lab

**Prerequisite:** Prep I

This course will allow students the opportunity to have additional hands-on experiences in order to accumulate school-based training hours.

9241BX0 Prep II (2u)

**Credit:** 2 Units

**Length:** 1 Semester (2 Blocks)

**Prerequisite:** Prep I

**Eligibility:** Sophomores (or second year students) or above

This course enables students to take one 180-minute class that emphasizes the development of skills generic to careers. This course content is focused on providing students with the basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and begin some work-based learning activities. Job seeking skills will also continue to be refined.

9242BX0 Prep III (2u)

**Credit:** 2 Units

**Length:** 1 Semester (2 Blocks)

**Prerequisite:** Prep II

This course enables students to take one 180-minute class that is designed to continue the development and begin the application of skills learned in Preparation I and II. Work-based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education and apprenticeships. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership development and self-determination are provided.

9243BX0 Prep IV

**Prerequisite:** Prep III

**Grade(s):** Last anticipated semester of a student’s senior year

This course gives students the opportunity to synthesize all the skills acquired in previous preparation courses and apply them to their personal career choice. This course will allow students to solve work-related problems experienced in competitive employment, practice self-advocacy skills, and master the theoretical and practical aspects of their career choice. Students will complete the 360 hours of integrated competitive employment in a community setting required for successful completion of the Occupational Course of Study. Students will also develop a job placement portfolio that provides an educational and vocational record of their high school occupational preparation.
experience. Completion of this course assures that all training and paid employment hours have been completed and students are eligible for graduation.

**96100X04 Prep IV Lab**
Prerequisite: Prep III
This course will allow the student the opportunity to complete the paid employment requirement and or continue completing the required training hours to meet graduation requirements.

**96280X0 Coop Work Internship**
Credit: 1 Unit
Prerequisite: Prep III
Grade(s): Seniors only
This course is only available to students with disabilities following the Occupational Course of Study who have paid competitive employment during school hours and/or need additional time to complete the 240 community-based training hours requirement.

**95610G Coop Work Release (2u)**
Credit: 2 Units
Length: 1 Semester
Prerequisite: Prep III
This course will allow students with disabilities following the Occupational Course of Study who have paid competitive employment during school hours an opportunity to receive course credit for work experience.

**ENGLISH**

**9210BX0 English I (OCS)**
Prerequisite: None
This course covers standards in the areas of communication, language and meaning, critical thinking, and research. Students will use the writing process to develop a product and understand appropriate presentation skills. Use of a variety of strategies to comprehend texts and understand appropriate language and conventions in all forms of communication will be a focus in the course. Students will be expected to analyze cause and effect relationships in literature and real life, analyses of cause and effect relationships in literature and real life, and analyses of events in the context of culture and literature. Students will develop an understanding of literary elements and rhetorical techniques as well as literary and informational texts. Application of research tools and techniques to selected topics will be presented. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified English teacher as well as a face-to-face OCS teacher.

**9211BX0 English II**
Prerequisite: English I
This course covers standards in the areas of oral and written communication, language and meaning, critical thinking and research in a more complex manner. Students will create increasingly complex oral and written responses for a variety of audiences, purposes, and contexts. The learner will use these skills in the development of presentations. Students will use a variety of strategies to comprehend text, and use appropriate language and conventions in all forms of communications. Analyses of texts in visual, auditory, and digital formats will be taught. Students will create research studies focusing on global issues and create oral, written, and visual products focusing on global issues. At the completion of this course, students must be assessed using the English II EOC with documented accommodations and modifications. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified English teacher as well as a face-to-face OCS teacher.
9212BX0 English III
Prerequisite: English II
This course covers standards in the areas of communication, language and meaning, critical thinking and research through multifaceted approaches. Students will develop an understanding of literary and informational texts. They will use appropriate communication skills in employment, post-secondary education/training and independent living settings and be able to create written products using a template or form. Focusing on post-secondary education/training and independent living, the student will apply reading and comprehension strategies to informational texts in the specific domains. The learner will carry out problem-solving process as it relates to personal life situations and apply the knowledge of cause and effect to decision making. The course will summarize the importance of forming a viewpoint in situations related to adult living.
* At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified English teacher as well as a face-to-face OCS teacher.

9213BX0 English IV
Prerequisite: English III
This course covers standards in the areas of communication, language and meaning, critical thinking and research through comprehensive methodologies. Students will apply information from literary and informational texts to carry out adult-living tasks and activities. They will communicate options that can be used to a variety of audiences. The course requires the student to construct written products without reliance on templates and/or forms and apply reading comprehension strategies to informational texts found in employment, post-secondary education/training, and independent living domains. The course requires the student to develop plans to solve problems that occur in adult life, while being able attribute the impact of cause and effect on a given real life problem and to generate a viewpoint based on current events in written text or personal life situations. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified English teacher as well as a face-to-face OCS teacher.

MATH
9220BX0 Introduction to Mathematics I
Prerequisite: None
This course covers number and operations, geometry, measurement, algebra, statistics and probability. It uses the core standards so students can understand rational numbers, apply mathematical operations with rational numbers, and apply ratios, proportions and percents to solve problems. Students will use time and measurement to solve problems. Algebraic properties will be used to solve problems and to understand patterns and relationships. Students will develop an understanding of data in terms of graphical displays, measure of center and range. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified math teacher as well as a face-to-face OCS teacher.

9221BX0 Math I
Credit: 1 Unit
Prerequisite: Introduction to Mathematics
This course uses the core standards to provide students a more complex mathematical curriculum. Following the format studied in Introduction to Mathematics, the course covers number and operations, geometry, measurement, algebra, statistics and probability, while adding the area of discrete algebra. Students will be required to use ratios and rates to solve problems and use properties of exponents to simplify expressions. They will use properties and strategies to combine and factor algebraic expressions, use direct and indirect variations to solve problems, analyze patterns of change in functional relationships, understand functions based on mathematical and real world phenomena, and use strategies to find solutions for linear and exponential relationships. They will be required to analyze properties of geometric shapes in the Cartesian coordinate system and use formulas to solve problems involving area and volume. They will analyze statistical
distributions in terms of the relationships among shape, center, spread and outliers and infer trends in bivariate data. Students will use vertex-edge graphs to route and optimize critical paths. At the completion of this course, students must be assessed using the Algebra I EOC with documented accommodations/ modifications.

* At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified math teacher as well as a face-to-face OCS teacher.

28002X0- Locally Developed Math Elective (everywhere but AGHS)
Credit: 1 unit
Course is offered fall semester as an elective math credit in schools utilizing the year long NC Virtual Public Schools Blended learning model for Math I. *Only available at select schools.

9222BX0 Financial Management
Prerequisite: Math I
This course focuses on the application of skills needed for independent living. Emphasis is placed on financial management and planning. Students will develop an understanding of state and federal income taxes, wages compensation, and the use of credit. They will be introduced to different types of insurance to meet personal needs while applying math skills to consumer spending. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified math teacher as well as a face-to-face OCS teacher. (NOTE: CTE Personal Finance can substitute for Financial Management in addition to counting as a CTE credit)

APPLIED SCIENCE
9231BX0 Applied Science
Prerequisite: None
This course covers core standards in forces and motion, energy, electricity and magnetism, matter, chemicals, and the environment. Through course design the students will learn concepts and describe attributes associated with weight, mass, and types of force. Energy and conservation will be defined with an explanation of related effects. Students will develop an understanding of electricity and magnetism as well as the properties of matter. They will identify the uses and dangers of common chemicals. The course covers how humans can have positive and negative effects on the environment. Students will develop an understanding of the human body’s basic needs and control systems (including common health indicators). *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified science teacher as well as a face-to-face OCS teacher.

9232BX0 Biology
Prerequisite: Applied Science
This course covers standards in the areas of structure and functions of living organisms, evolution & genetics, and molecular biology. Students will understand the relationship between the structures and functions of cells and their organelles and the analysis of the cell as a living system. Students will explore the interdependence of living organisms within their environment and learn the impact of human activities on the environment generation to generation. The course explains how traits are determined by the structure and function of DNA and how the environment, and/or the interaction of alleles, influences the expression of genetic traits, as well as the application of DNA technology. The theory of evolution by natural selection as a mechanism for how species change over time is covered, including how classification systems are developed based upon speciation. Students will develop an understanding of how biological molecules are essential to the survival of living organisms. They will analyze the relationship between biochemical processes and energy use. At the completion of the course, the student must be assessed using the Biology EOC with documented accommodations and modifications. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified science teacher as well as a face-to-face OCS teacher.
SOCIAL STUDIES

9247BX0 American History I
Prerequisite: None
The American History I course is intended to be taught prior to the American History II course. The American History I course is strategically aligned with the North Carolina Essential Standards for American History I. The course follows the Founding Principles Act and begins with the European Exploration and Colonization of the New World and follows chronologically through Post-Civil War Reconstruction. Students will learn about the important political, social, and economic factors that contributed to the development of colonial America, the onset of the American Revolution, and the results of the Revolution including the founding of the United States government and the drafting of founding documents including the Constitution and the Bill of Rights. Students will also learn about early domestic and foreign policy, westward expansion, reform, immigration, and the cultural variances that have both united and divided America. Pre-Assessments will be used as diagnostic tools. Meanwhile, students will work through Bloom’s Taxonomy Hierarchy through completing lesson notes, formative assessments, completion assignments, and they will show mastery of learning through culminating projects and summative assessments. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified social studies teacher as well as a face-to-face OCS teacher.

9248BX0 American History II
Prerequisite: American History I
The American History II course is a sequel course to American History I. The course is strategically aligned with the North Carolina Essential Standards for American History II. The course follows the Founding Principles Act and begins with late 19th century American History to the 21st century. Students will learn about the important political, social, and economic factors that transformed the ethnic composition of America and America’s dependence on evolving technologies. Students will also learn about 19th – 21st century domestic and foreign policy, westward expansion, reform movements, immigration, and the cultural variances that have both united and divided America. Pre-Assessments will be used as diagnostic tools. Meanwhile, students will work through Bloom’s Taxonomy Hierarchy through completing lesson notes, formative assessments, completion assignments, and they will show mastery of learning through culminating projects and summative assessments. *At select schools the course is taught in a blended learning environment with collaborative instruction delivered by an online highly-qualified social studies teacher as well as a face-to-face OCS teacher.