



# 2023-2024 FACS High School

## Course Descriptions

### **English Courses**

#### **English I**

**10212X0**

English I students will study literature, informational texts, poetry, drama, biographical works, U.S. documents “of historical and literary significance,” excerpts from or an entire Shakespearean play, and art from all genres to gain knowledge of culture, current events and themselves. They will gain the reading and writing skills necessary to write, analyze and evaluate detailed arguments. By the end of English I, students are expected to read and understand increasingly complex texts at the upper end of the ninth grade reading range.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9**

#### **Honors English I**

**10215X0**

This college-preparatory course is designed to challenge motivated students as it concentrates on developing reading, writing, and critical thinking skills through an intensive survey of literary types with appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage.. In addition, the class focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework reinforces and extends classroom instruction.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 9**

## **English II**

**10222X0**

**Prerequisite:** English I

This world literature course focuses on reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10**

## **Honors English II**

**10225X0**

**Prerequisite:** English I (English I Honors recommended)

This college-preparatory course is designed to challenge students as it concentrates on developing reading, writing, and critical thinking skills through an intensive study of a variety of selected world literature with appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. In addition, there is a focus on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework reinforces and extends classroom instruction.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 10**

## **English III**

**10232X0**

**Prerequisite:** English II

This academic American literature course studies literature; historical documents; informational texts; poetry; drama; biographical works; and art to better gain a basic understanding of the influence of history on literature and culture. They will build on the complex literacy skills necessary to compile information from sources into meaningful and well written original texts. By the end of English III, students are expected to read and understand increasingly complex texts at the high end of the 11th grade reading range.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 11**

### **Honors English III**

**10235X0**

**Prerequisite:** English II (English II Honors recommended)

This academic American literature course studies literature; historical documents; informational texts; poetry; drama; biographical works; and art to better gain a basic understanding of the influence of history on literature and culture. They will build on the complex literacy skills necessary to compile information from sources into meaningful and well written original texts. By the end of English III, students are expected to read and understand increasingly complex texts at the high end of the 11th grade reading range. This honors course is designed to challenge students.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11**

### **English IV**

**10242X0**

**Prerequisite:** English III

This academic British literature course is designed for the student who aspires to post-secondary college or career experience. The course addresses reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 12**

### **Honors English IV**

**10245X0**

**Prerequisite:** English III (English III Honors recommended)

This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected British literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction. This honors course is designed to challenge students. This

course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected British literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 12**

### **AP Language and Composition English III**

**1A007X0**

**Prerequisite:** English II (English II Honors recommended)

This intensive, college-level course emphasizes the rhetorical structures of effective writing. Students study American Literature and informational texts to explore historical and cultural trends of American society. Students are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 11**

### **AP Literature and Composition English IV**

**1A017X0**

**Prerequisite:** English III (English III Honors recommended)

This college-level course provides an analytical and historical study of British and world literature in a comprehensive program of reading, writing, and critical thinking. It fulfills the NC graduation requirement for English IV. As preparation to take the Advanced Placement Test in Literature and Composition, students read, discuss, analyze, and write about challenging works of recognized literary merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent literary analysis and a total mastery of writing skills are the goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. Students enrolled in this course are expected to take The College Board Advanced Placement exam.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 12**

### **Creative Writing**

**10252X0D**

This course is designed for students interested in writing original poetry, plays, essays, and short stories. With instructor guidance, students consider the elements of creativity - inspiration, form, content - in relation to styles of representative authors. Self-criticism, group evaluation, contest entries, and publication of students' work are required activities. Projects may include publications and submissions into local contests.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

### **Advanced Creative Writing**

**1D095X0**

In this course students will research, create, read, and study a specific genre and the movements within that genre over the past 100 years. They create manuscripts for presentation to various outlets for publication and may be expected to contribute to school publications.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-12**

### **Yearbook**

**10312X0B**

The introductory yearbook course offers the student total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copywriting, and proofing.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-12**

### **School News/Journalism**

**10312X0A**

Students participate in the production of the daily school news programming for the school. Students will learn each role required to produce a successful news production including anchoring, lighting, writing, producing, etc.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

## **Science Courses**

### **Physical Science**

**34102X0**

This course is designed as an entry-level course. The concepts of physics and chemistry are taught using both laboratory approaches and inquiry teaching. Students use their mathematical skills in the applications of science. Science projects and other independent student research provide students with a better understanding of the processes of science. This course fulfills the graduation requirement for a physical science.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9**

### **Biology**

**33202X0**

This course is designed to develop student understanding of biological concepts and principles and promote an understanding of plant and animal processes from the cellular to the multi-cellular level. Laboratory work is an important part of each phase of the course. The final exam is the North Carolina Biology End- of-Course Test.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9-11**

### **Honors Biology**

**33205X0**

Students survey the history and development of biology including an introduction to biochemistry, cellular biology, genetics, heredity, evolution, and ecosystems. Students will engage in laboratory activities to develop process and problem solving skills. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems. The final exam is the North Carolina Biology End-of-Course Test.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 9-11**

### **Earth and Environmental Science**

**35012X0**

This course investigates the four main branches of earth science: geology, meteorology, astronomy, and oceanography. Students learn about the interrelationships among living organisms and their physical environment through laboratory activities and fieldwork. Students

study how humans impact their environment and how the environment influences human life.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10-11**

## **Honors Earth and Environmental Science**

**35015X0**

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

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 10-11**

## **Chemistry**

**34202X0**

Chemistry is the study of the composition and properties of matter. It introduces the theories concerning the structure of matter and includes mathematical problems that illustrate these theories. Concepts and principles of chemistry are presented in great depth and at a rapid pace. Theoretical and mathematical relationships in chemistry are studied. Students perform extensive research, independent study, and laboratory work. Laboratory experiences and demonstrations are integral parts of this course.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10-11**

## **Chemistry Honors**

**34205X0**

Chemistry is the study of the composition and properties of matter. It introduces the theories concerning the structure of matter and includes mathematical problems that illustrate these theories. Concepts and principles of chemistry are presented in great depth and at a rapid pace. Theoretical and mathematical relationships in chemistry are studied. Students perform extensive research, independent study, and laboratory work. Laboratory experiences and demonstrations are integral parts of this course.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 10-11**

## **AP Biology**

**3A007X0**

**Prerequisite:** Biology and Chemistry

This course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Three general areas covered in depth in this course are molecules and cells, heredity and evolution, and organisms and populations. Textbooks, resources and labs performed by AP students will be the equivalent of those of college students. Students are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 11-12**

## **AP Environmental Science**

**3A027X0**

**Prerequisite:** Biology, Chemistry and NC Math 2

Students learn how organisms and their environment interact through field, laboratory and classroom work. Through the scientific principles, concepts and methodologies, students will identify and analyze both natural and human-made environmental problems, evaluate the risks associated with those problems, and examine alternative solutions for resolving or preventing them. Textbooks, resources and labs performed by AP students will be the equivalent of those of college students. Students are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 11-12**

## **Sports Science (Physics in Sports)**

**30205X0P**

This science elective option will examine athletic biomechanics, and students will gain an understanding of the internal and external forces sustained and generated by the body during high-level athletic activities. It will also address the unique challenges found when studying high impact and high speed activities. In addition, students will analyze specific athletic movements that involve principles of physics such as the golf swing, basketball jump shot, and the volleyball serve. This is an elective class that DOES NOT replace core science requirements.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9-11**

## **Human Anatomy and Physiology (Honors)**

**33305X0**

**Recommended Prerequisite:** Biology (Fall Semester)

This course focuses on the structures and functions of the human body. To help students understand the relationship of anatomical structures, they will participate in animal dissections. This is an excellent course for students interested in health field careers. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11**

## **Forensic Science**

**HL102X0D**

**Recommended Prerequisite:** Biology and Chemistry

In this course students will be examining the role of the forensic scientist. Students will experience the application of the pure sciences as they examine the evidence of various forensic situations. The concepts and principles are presented in great depth and at a rapid pace. The classroom activities will include traditional and modern biotechnological techniques.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 11-12**

## **Social Studies Courses**

### **World History**

**43032X0**

This course will address six periods in the study of world history with a key focus of study from the mid-15th century to the present. The progression is grouped around a basic core of chronologically-organized periods and events in history; students will study major turning points that shaped the modern world. As students examine the historical roots of significant events, ideas, movements, and phenomena, they encounter contributions and patterns of past civilizations across the globe. In addition, they broaden their historical perspectives and explore ways societies have dealt with continuity and change as evidenced by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9**

### **Honors World History**

**43035X0**

This rigorous course will address six periods in the study of world history with a key focus of

study from the mid-15th century to the present. The progression is grouped around a basic core of chronologically-organized periods and events in history; students will study major turning points that shaped the modern world. As students examine the historical roots of significant events, ideas, movements, and phenomena, they encounter the contributions and patterns of civilizations of the past and across the globe. In addition, they broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology. Honors World History offers a greater emphasis on outside reading, research, and critical thinking experiences.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 9**

**Founding Principles of the USA and NC: Civic Literacy 43182XO**

**Prerequisite:** World History

Civic Literacy is the study and understanding of citizenship and government. This course provides students with a sound understanding of civic life, politics, and government, including a short history of government's foundation and development in the United States of America. Students learn how power and responsibility are shared and limited by the government, the impact American politics has on world affairs, law in the American constitutional system, and the rights that the American government guarantees its citizens. Students also examine how the world is organized politically and how to be an active participant in the American and global political systems. Students will study the foundations of American democracy and the origins of American government. The roles of political parties, campaigns & elections, public opinion, and the media will be analyzed to determine their effects on the individual and all who call the United States home.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10**

**Founding Principles of the USA and NC: Civic Literacy (Honors) 43185XO**

**Prerequisite:** World History

Civic Literacy is the study and understanding of citizenship and government. This course provides students with a sound understanding of civic life, politics, and government, including a short history of government's foundation and development in the United States of America. Students learn how power and responsibility are shared and limited by the government, the impact American politics has on world affairs, law in the American constitutional system, and the rights that the American government guarantees its citizens. Students also examine how the world is organized politically and how to be an active participant in the American and global

political systems. Students will study the foundations of American democracy and the origins of American government. The roles of political parties, campaigns & elections, public opinion, and the media will be analyzed to determine their effects on the individual and all who call the United States home.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 10**

## **American History**

**43112X0**

The American History course will begin with the end of the French and Indian War (1763) and end through the latest Presidential Election (i.e. 2020, 2024, etc.). While the scope begins with the French and Indian War, teachers can and should use concepts and topics prior to the French and Indian War to establish context. For example, teachers are encouraged to draw on the context of the early colonies, the origins of slavery, indigenous populations, and enlightenment thinkers. 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.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 11**

## **American History Honors**

**43115X0**

The American History course will begin with the end of the French and Indian War (1763) and end through the latest Presidential Election (i.e. 2020, 2024, etc.). While the scope begins with the French and Indian War, teachers can and should use concepts and topics prior to the French and Indian War to establish context. For example, teachers are encouraged to draw on the context of the early colonies, the origins of slavery, indigenous populations, and enlightenment thinkers. 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. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11**

## **AP United States History**

**4A077X0**

This course meets state standards for US History as well as the College Board's standards for AP US History. It emphasizes using analytical skills and factual knowledge to think critically about the issues and events central to US history. Students will read a variety of historical documents and interpretations of US history, write essay responses to document based questions, and prepare to take the AP Exam. Students are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 11**

## **Economics and Personal Finance**

**43192**

The Economics and Personal Finance (EPF) course is intended to be a study of economics, personal finance, income and education, money management, critical consumerism, and financial planning. This course has been legislated by NC Session Law 2019-82, House Bill 924.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 12**

## **Economics and Personal Finance (Honors)**

**43192X**

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. The honors level is more rigorous with a greater emphasis on problem solving, outside reading, research, and application of concepts to real world problems. This course has been legislated by NC Session Law 2019-82, House Bill 924.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 12**

## **AP United States Government & Politics**

**4A077X0**

**Prerequisite:** Civics and Economics

This course provides an analytical perspective on government and politics in the United States. It involves both general concepts used to interpret U.S. politics and the analysis of specific case studies. Familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality is required. Topics include public policy, civil rights and civil liberties, as well as political beliefs and behaviors. Students are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 11**

## **AP Human Geography**

**4A027X0**

Advanced Placement Human Geography provides students with insight into contemporary developments of world cultures, politics, and economies, including an analysis of the impact of the environment on the progress of world nations and regions. Students evaluate world events and data, write critically about world situations, and debate controversial aspects of an interdependent world. Major units focus on the spatial nature of geography and perspectives, population patterns and processes, cultural patterns and processes, political organization of space, agricultural and rural land use, consequences of industrialization and economic development, cities and urban land use. Students enrolled in this course are expected to take the College Board Advanced Placement test.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 9-12**

## **Psychology Honors**

**48002X0E**

This full-credit honors course is designed to give students an understanding of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. This course emphasizes the empirical examination of behavior and mental processes, and it infuses perspectives fostering students' growth, development, and understanding of cultural diversity. Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11**

## **Math Courses**

### **NC Math 1**

**21092X0**

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also

summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 1. The final exam is the North Carolina End-of-Course Test based on the NC Math 1 Standards.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9**

### **Foundations of NC Math 1**

**20902X0**

**Note: This course must be paired with NC Math 1.**

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. In conjunction with NC Math 1, this course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9**

### **Foundations of NC Math 2**

**20912X0**

**Note: This course must be paired with NC Math 2.**

Foundations of NC Math 2 provides learners with an opportunity to review and study foundational topics for higher-level mathematics. The topics covered will be based on student needs and will be aligned with NC Math 2. Students will solve relevant and authentic problems using manipulatives and appropriate technology.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10**

## **NC Math 2**

**22092X0**

### **Required Prerequisite: NC Math 1**

In NC Math 2, students continue to deepen their study of quadratic expressions, equations, and functions, comparing their characteristics and behavior to those of linear and exponential relationships from NC Math 1. The concept of quadratics is generalized with the introduction of higher degree polynomials. New methods for solving quadratic equations are developed. The characteristics of advanced types of functions are investigated (including inverse variation and square root functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between NC Math 2 and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The Standards for Mathematical Practice apply throughout the course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 2. The final exam is the North Carolina Final Exam for Math 2.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9-10**

## **Honors NC Math 2**

**22095X0**

### **Required Prerequisite: NC Math 1(A/B Average strongly recommended)**

In Honors NC Math 2, students continue to deepen their study of quadratic expressions, equations, and functions, comparing their characteristics and behavior to those of linear and exponential relationships from NC Math 1. The concept of quadratics is generalized with the introduction of higher degree polynomials. New methods for solving quadratic equations are developed. The characteristics of advanced types of functions are investigated (including inverse variation and square root functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between NC Math 2 and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and

congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The Standards for Mathematical Practice apply throughout the course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This rigorous course fulfills the North Carolina high school graduation requirement for NC Math 2. The final exam is the North Carolina Final Exam for Math 2.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 9-10**

### **NC Math 3**

**23092X0**

**Prerequisite:** NC Math 2

This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include logarithmic, polynomial, rational, absolute value, piecewise, and trigonometric functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. The Standard for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that means use of their ability to make sense of problems and situations. This course fulfills the North Carolina high school graduation requirement for NC Math 3. The final exam is the North Carolina Final Exam for Math 3.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10-11**

### **Foundations of NC Math 3**

**20922X0**

**Note: This course must be paired with NC Math 2.**

Foundations of NC Math 3 provides learners with an opportunity to review and study foundational topics for higher-level mathematics. The topics covered will be based on student needs and will be aligned with NC Math 3. Students will solve relevant and authentic problems using manipulatives and appropriate technology.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10**

**Honors NC Math 3**

**23095X0**

**Prerequisite: NC Math 2 (A/B average strongly recommended.)**

This rigorous course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include logarithmic, polynomial, rational, absolute value, piecewise, and trigonometric functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Honors NC Math 3 explores content at a rigorous level to prepare students for advanced math courses. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. The Standard for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that means use of their ability to make sense of problems and situations. This course fulfills the North Carolina high school graduation requirement for NC Math 3. The final exam is the NC Final Exam for Math 3.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 10-11**

**Pre-Calculus (Honors)**

**24035X0**

**Prerequisite: NC Math 3 (A/B average strongly recommended.)**

The purpose of Precalculus is to build upon the study of algebra, functions, and trigonometry experienced in previous high school mathematics courses. This course will build on students' 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.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11**

**NC Math 4**

**24092X0**

**Prerequisite: NC Math 3**

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

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 11-12**

**AP Calculus AB**

**2A007X0**

**Prerequisite: Pre-Calculus**

(It is recommended that students who enroll in this course have completed or are enrolled in Physics I and earned at least a C average in Pre-Calculus). This course emphasizes introductory calculus with elementary functions. Topics include properties of functions, limits, derivatives and their applications, techniques of integration, the definite integral, and applications of the integral. Students in this course are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 11-12**

**AP Statistics**

**2A037X0**

**Prerequisite: Pre-Calculus**

AP Statistics introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will observe patterns and departure from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Appropriate technology, from manipulatives to calculators and applications software, will be used regularly for instruction and assessment. Students in this course are expected to take the AP exam in May.

**CREDIT: 1**

**TYPE: Advanced Placement**

**GRADE: 11-12**

## ***Career and Technical Education Courses***

### **Business Essentials**

**BF102X0**

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

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

### **Financial Planning I**

**BF212X0**

This course is designed to cover key strategies for wealth building as students learn to evaluate businesses for investment opportunities while incorporating current headlines and trends, financial resources, and stock market simulation. Also students will develop techniques to enhance personal wealth building for a secure financial future. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented with ethical dilemmas and problem-solving situations for which they must apply academic, team-building and critical-thinking skills.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

### **Business Management I**

**BF212X0**

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

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-12**

## **Adobe Digital Design**

**II322X0**

This course is a project-based course that develops career and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English language arts are reinforced.

**CREDIT: 1**

**TYPE: Regular/Honors**

**GRADE: 11-12**

## **Computer Programming**

**BP105X0**

Computer Programming is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11-12**

## **Multimedia and Webpage Design**

**BD102X0**

This course focuses on desktop publishing, graphic image design, computer animation, multimedia production, and webpage design. Communication skills and critical thinking are reinforced through software applications. English language arts and arts are reinforced.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10-12**

## **Physical Education**

### **Health and PE**

**60492X0**

The health component of this course teaches students habits and practices that will help them maintain a healthy lifestyle. Topics include stress management, substance abuse, nutrition, weight management, self-protection, and relationships. Students also learn how to avoid serious health risks, manage their own behavior, and build self-esteem. The physical education component includes personal fitness, recreational dance, game and sports skills, and gymnastics. Students must dress out and participate actively to acquire a better understanding of and appreciation for the importance of lifetime fitness. The Physical Education teacher will administer fitness testing. **This course is required for graduation.**

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 9-11**

**Team Sports I**

**60392X0A**

**Prerequisite:** Health/PE

This course is designed to include the development of general personal fitness, and active participation in team sports such as basketball, soccer, flag football, lacrosse, volleyball, and softball. Activities are equally divided within the total weeks of instruction. This course includes the history, rules, and terminology with an emphasis on skill development, officiating, game strategies, and leadership.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10-11**

**Team Sports II**

**60392X0B**

**Prerequisite:** Health/PE

This course is designed to include the development of a greater in-depth knowledge, the application of personal fitness skills, and the demonstration of more advanced team sport skills. Please see Team Sports I for a general listing of activities for this elective.

**CREDIT: 1**

**TYPE: Regular**

**GRADE: 10-12**

**Visual Arts Courses**

**Visual Arts I (General Art Survey)**

**54152X0**

This is a course that provides an introduction to art through a multi-media experience. Students will learn and apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts. No Prerequisite.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

**Visual Arts II (Life Drawing)**

**54162X0**

**Prerequisite:** *General Art Survey.*

This course is designed for students who want to learn the basics of drawing from life. Students will develop their representational drawing skills using a variety of art media. As the course progresses, students will draw from still life, photographic references, and finally live models.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-12**

**Visual Arts III (Painting)**

**54162X0A**

*Prerequisite: Life Drawing*

This course explores the fundamentals of painting by exploring traditional and contemporary techniques and methodologies through a variety of subjects including imagination, still life, self portrait, landscape and the figure.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11-12**

**Visual Arts III (3D Design)**

**54162X0B**

*Prerequisite: Life Drawing*

This Course focuses on the elements and principles of design with regard to three-dimensional design. Attention will be paid to composition, construction, creative problem solving, color, and craftsmanship.

**CREDIT: 1**

**TYPE: Honors**

**GRADE: 11-12**

**World Language Courses**

**Spanish I**

**11412X0**

This course is an introduction to the study of the target language and its culture. Students perform basic functions of the language and become familiar with some elements of its culture. Emphasis is placed on the development of the four communication skills of listening, speaking, reading, and writing within a given context and extending outside of the classroom setting when possible. Content focuses on students' lives and experiences and includes an exposure to everyday customs and lifestyles. A general introduction to culture (e.g., literature, laws, foods, games), perspectives (e.g., attitudes, values, beliefs), and practices (patterns of social interaction) is integrated throughout the course. In addition, grammar is integrated throughout the learning and is selected according to the language conventions. Students acquire some insight into how languages and cultures work by comparing the target language and culture(s) to their own. Integration of other disciplines is ongoing throughout the course.

**CREDIT: 1**

**TYPE: Regular Elective**

**GRADE: 9-11**

**Spanish II**

**11422X0**

**Prerequisite:** Spanish I

Students enrolled in this course have successfully completed Level I Spanish at middle or high school or placed out of Level I due to previous language study and/or established proficiency. This advanced course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in short 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 present time and past time, both inside and outside of the classroom setting. They compose related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple text. Students develop a better understanding of the similarities and differences between cultures and languages, and they examine the influence of the beliefs and values on the target culture(s). Integration of the other disciplines is ongoing throughout the course.

**CREDIT: 1**

**TYPE: Regular Elective**

**GRADE: 9-12**

**Music/Theatre Courses**

**Choir (Beginning)**

**52302X0**

This course is for students who love to sing and want to improve their singing skills. This course will focus on the fundamental techniques of singing, sight reading, music theory, and performing. Students who take this class must commit to performing in one concert performance.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

**Choir (Intermediate)**

**52312X0**

This course is for students who love to sing and want to improve their singing skills. This course will focus on the fundamental techniques of singing, sight reading, music theory, and performing. Students who take this class must commit to performing in one concert performance.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-11**

**Musical Theater (Beginning)**

**52162X0A**

In this introduction to musical theater, students will explore vocal and acting techniques and learn about the roles of the director, musician, choreographer, makeup artist, and technical director. In addition, students will learn about the history of musical theater through the work of leading lyricists and composers. Students may have opportunities to perform in a musical theater production or participate in behind-the-scenes work.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

**Musical Theater (Intermediate)**

**52172X0B**

Students will strengthen their knowledge of music theory and music history in this intermediate level course. Students will explore vocal and acting techniques and learn about the roles of the director, musician, choreographer, makeup artist, and technical director. In addition, students will learn about the history of musical theater through the work of leading lyricists and composers. Students may have opportunities to perform in a musical theater production or participate in behind-the-scenes work.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

**Musical Theater (Advanced)**

**52172X0C**

Students will strengthen their knowledge of music theory and music history in this intermediate level course. Students will explore vocal and acting techniques and learn about the roles of the director, musician, choreographer, makeup artist, and technical director. In addition, students will learn about the history of musical theater through the work of leading lyricists and composers. Students may have opportunities to perform in a musical theater production or participate in behind-the-scenes work.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 11-12**

**Music Appreciation**

**52162X0D**

This course is for students who want to learn more about music without the pressure of performing. This course will focus on music theory, composition, piano skills, and music history.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 11-12**

**Theater Arts (Beginner)**

**53152X0A**

This course introduces students to the basic aspects of movement, vocal expression, and ensemble work. Class activities include pantomime, improvisation, vocal development, playwriting, and solo/collaborative presentations in acting and theatre production (costumes, lighting, makeup, scenery, and sound). The course offers opportunities to present before an audience.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

**Theater Arts (Intermediate)**

**53152X0B**

Students continue to develop vocal and physical acting skills (including in-depth character analysis and development) and playwriting. Various acting styles are introduced along with opportunities to explore directing. Students focus on the history and development of theatre in Western Civilization. Class activities include more challenging improvisation, vocal development, solo/collaborative presentations in acting, directing, and theatre production (costumes, lighting, makeup, scenery, and sound). Participation in after-school rehearsals and performances is expected.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-12**

**Theater Arts (Advanced)**

**53152X0C**

This course is for the students who have completed the beginner theater arts class. This course will focus on building public speaking skills, reading and performing monologues, analyzing character development in plays, and the history of plays and performing. Students in this class must commit to a one night performance.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-12**

## **NCVPS/Online Course**

### **NCVPS French I (Online Course)**

**11012X0**

*Note: Due to the self-sufficient/highly independent nature of distance learning experiences, online classes are generally not recommended for ninth grade students.*

The goal of this course is to give students basic listening, speaking, reading, and writing skills through activities based on pedagogically-proven methods of foreign language instruction. Throughout six instructional units, students learn to talk about themselves and others, describe their surroundings and use numbers for dates and time. Regular verbs and some irregular verbs are introduced in the present tense. Simple grammatical structures are practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help students understand the context of the language and to better understand the perspectives of the French-speaking world. The course aligns to the national Common Core Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons, and community.

**CREDIT: 1**

**TYPE: ONLINE Regular Elective**

**GRADE: 9-11**

### **NCVPS French II(Online Course)**

**11022X0**

**Prerequisite:** French I

*Note: Due to the self-sufficient/highly independent nature of distance learning experiences, online classes are generally not recommended for ninth grade students.*

Students further develop their listening, speaking, reading and writing skills; with emphasis placed on interpersonal communication and proficiency. By the end of the course, students will be able to interact with others on issues of everyday life. Students will acquire skills through real-world situations and use their experiences to practice these skills. Students will also continue to learn about the differences between languages and cultures, and how different cultures influence each other. Students will learn on the Novice High & Intermediate Low levels of language proficiency according to the North Carolina World Language Essential Standards. It is recommended that students enrolled in this course pass Level I with a “C” or above.

**CREDIT: 1**

**TYPE: ONLINE Regular Elective**

**GRADE: 9-11**

## **NCVPS Spanish III Honors (Online Course)**

**11435X0**

**Prerequisite:** Spanish I & II

*Note: Due to the self-sufficient/highly independent nature of distance learning experiences, online classes are generally not recommended for ninth grade students.*

Students' skills with listening, speaking, reading, and writing progress to allow them to participate in conversations, read short literary texts and other material about familiar topics, and write short cohesive passages using the present, past, and future tenses. In discussions, presentations, and written texts, students will be able to identify the main ideas and significant details. As they continue to build their knowledge of the target culture, students develop a deeper understanding of the interrelationships of other cultures to their own and will be able to exhibit behaviors appropriate to the target culture, with emphasis being placed on interpersonal communication and proficiency. Students will learn on the Intermediate Low and Intermediate Mid Levels of language proficiency according to the North Carolina World Language Essential Standards. It is recommended that students enrolled in this course pass Level II with a "C" or above.

**CREDIT: 1**

**TYPE: ONLINE Regular Elective**

**GRADE: 9-11**

## **Other Elective Courses**

### **Independent Study Skills**

**96102X0**

This course is designed as a companion to core courses to support students who enter high school with an intervention plan. Through literacy-rich learning activities using cross-curricular texts and materials, students learn how to break apart long or complex assignments and create their own scaffolds for success. Students will focus their learning on enhancing their ability to read and write effectively for content-area study.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 9-12**

### **ACT Prep**

**96072X0**

This course is designed to help prepare students for taking the ACT and increasing their scores in the various areas of focus. These include English, Science, Math and writing. Students will be

immersed in specifics of the content areas related to the test and learn proven techniques and strategies designed to help them to be more successful.

**CREDIT: 1**

**TYPE: Elective**

**GRADE: 10-11**