

# **Alamance-Burlington School System**

**2013-2014**

## **High School Course Reference Guide**



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**Alamance-Burlington School System Course Reference Guide** is provided for students, parents, and educators as a guide for course selections made by students during their high school careers. The guide includes courses that are available to all students, descriptions of those courses, prerequisites for taking certain courses, and example sequences within certain curriculum areas. These example sequences are intended only as models for students to examine as they make their choices. A list of courses, with reference numbers that are coordinated with the student registration sheet is also included.

## Using the Reference Guide

Generally speaking, since our high schools operate on a traditional block schedule which includes two semesters, **students will select eight courses** to take each of their four years in high school. This guide is divided into sections based on the core academic areas, including English, Mathematics, Science and Social Studies. Additional sections include Foreign Language, Health and Physical Education, Special Programs, Arts Education, and Career/Technical Education. A section is also devoted to Occupational Education, which is a diploma pathway provided for students in our Exceptional Children Program who meet certain requirements. **Students should 1) read the descriptions of courses they are interested in, 2) gather information from counselors and teachers regarding the courses, and 3) make their selections during registration** following the process at their particular school. As these selections are made, careful consideration should be given to academic preparation, student interest, and necessary prerequisite courses. Students are encouraged to sign up for the most rigorous coursework available when possible.

## Earn College Credit – In High School

Every high school student in ABSS is encouraged to take advantage of the **opportunity to earn college credit while still in high school**. Some of these course opportunities are not listed in the course reference guide, but include: 1) Courses offered for ABSS students at Alamance Community College, 2) Elon University, and 3) Advanced Placement online courses available through the North Carolina Virtual Public School. **More information is available from your school guidance counselor regarding these programs.**

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# English

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Language and literature are the content of an integrated English Language Arts program. The study of these areas includes the structure of the English language, its social and historical perspective, and the systematic exploration of literature. Students will engage in learning activities designed to improve their critical reading, writing, speaking and listening, as well as language skills.

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|--|---|
| <ul style="list-style-type: none"> <li>❖ English I</li> <li>❖ English I Honors</li> <li>❖ English II</li> <li>❖ English II Honors</li> <li>❖ English III</li> <li>❖ English III Honors</li> <li>❖ English III AP Language and Composition</li> <li>❖ English IV</li> </ul> | <ul style="list-style-type: none"> <li>❖ English IV Honors</li> <li>❖ English IV AP Literature and Composition</li> <li>❖ Yearbook Publication</li> <li>❖ Journalism</li> <li>❖ Creative Writing</li> <li>❖ Speech and Debate</li> <li>❖ Strategic Reading</li> </ul> |
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### Possible English Sequence

	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7
Sequence A	Strategic Reading	English I	English II A	English II	English III A	English III	English IV
Sequence B	English I	English II	English III	English IV			
Sequence C	English I Honors	English II Honors	English III Honors or AP	English IV Honors or AP			

## **Strategic Reading**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Strategic Reading is designed to assist students in mastering the prerequisite skills necessary for success in English I. Emphasis is placed on developing the literacy skills of reading and writing. Students will follow this course with English I. *This course provides one unit of elective credit, but does not count as one of the four English credits required to graduate meeting the future-ready core requirements.*

## **English I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This academic course is designed for the student who aspires to post-secondary college or vocational experience. A survey of literary types, this course focuses on reading, writing, speaking and listening, and language; exploring ways that audience, purpose, and context shape oral communication, written communication, and media and technology. While emphasis is placed on communicating for purposes of personal expression, students also engage in meaningful communication for expressive, expository, argumentative, and literary purposes. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

## **English I Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. It concentrates on developing reading, writing, and critical thinking skills through an intensive survey of literary types via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This 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.

## **English IIA**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: English IIA is designed to assist students in mastering the prerequisite skills necessary for success in English II. Emphasis is placed on further developing the literacy skills of reading and writing. Students will follow this course with English II. *This course provides one unit of elective credit, but does not count as one of the four English credits required to graduate meeting the future-ready core requirements.*

## **English II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This academic world literature course is designed for the student who aspires to post-secondary college or vocational experience. This class continues to build upon skills in reading, writing, speaking and listening, and language learned in English I. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. Students should expect homework assignments and/or compositions that reinforce classroom instruction. *The North Carolina English II End-of-Course test will be administered at the conclusion of this course.*

## **English II Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. This class builds upon reading, writing, and critical thinking skills through an intensive study of a variety of selected world literature via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This 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. *The North Carolina English II End-of-Course test will be administered at the conclusion of this course.*

### **English IIIA**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: English IIIA is designed to assist students in mastering the prerequisite skills necessary for success in English III. Emphasis is placed on further developing the literacy skills of reading and writing. Students will follow this course with English III. *This course provides one unit of elective credit, but does not count as one of the four English credits required to graduate meeting the future-ready core requirements.*

### **English III**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This academic American literature course is designed for the student who aspires to post-secondary college or vocational experience. This third English course addresses reading, writing, speaking and listening, and language. 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. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

### **English III Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. This third English course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected American literature via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This 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.

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

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: This college-level course provides an analytical and historical study of language and rhetoric in a comprehensive program of reading, writing, and critical thinking. As preparation to take the Advanced Placement Test in Language and Composition, students read, discuss, analyze, and write about challenging works of recognized textual merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent rhetorical analysis and a total mastery of writing skills are 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 are expected to take the English III AP Language and Composition Examination. The student may earn college credit for successful completion of the course and AP examination.*

### **English IV**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This academic European literature course addresses reading, writing, speaking and listening, and language. 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. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

## **English IV Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This honors course is designed to challenge students and prepare them for a postsecondary experience. This fourth English course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected British literature via appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. Students should expect homework assignments and/or compositions that reinforce classroom instruction.

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

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: 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. 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 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 are expected to take the English IV AP Literature and Composition Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **Yearbook Publication**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Grade level requirements differ widely from school to school (see individual school's registration sheets). This course teaches the fundamentals of producing a high school yearbook. These fundamentals include photography, copy writing, advertising and sales, layout design, and desktop publishing. Enrollment is usually limited to the number of students needed to accomplish tasks required for creation, publication, and delivery of school yearbooks. Prior approval by the advisor of the schools yearbook staff is recommended.

## **Journalism**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Grade level requirements differ widely from school to school (see individual school's registration sheets). This course teaches the fundamentals of producing a high school newspaper. The study of journalism will include the basics of news writing, a brief history of journalistic ethics, and libel laws. Students will compose and produce various school publications. Opportunities will be provided for involvement in the media community beyond the classroom. Students should have skills in the areas of photography, keyboarding, and writing. Prior approval by the advisor is recommended.

## **Creative Writing**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This is an introductory level course designed to familiarize students with modern creative writing. The focus of this course is on the establishment of developed critical reading habits and creative responses to a wide variety of prompts, from poetry and prose, in terms of self-generated work. Students will write extensively and create a portfolio of work. Revision of written work is stressed, as are the formal elements of creative writing.

## **Speech and Debate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course will offer students an opportunity to discover and develop their public speaking abilities. Students will learn how to effectively deliver a speech in front of an audience, and they will analyze famous speeches (both past and present) while incorporating proven techniques into their own presentations. The second half of the course will focus on the art of debate, including making arguments, refutations, and utilizing rhetorical devices.

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# Mathematics

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The Common Core Mathematics Standards (NCSCOS) provides a set of mathematical content and practices for each high school course to ensure rigorous student academic performance standards that are uniform across the state. To graduate meeting Future-Ready Core Requirements all students must take and pass 4 math courses. These courses include Algebra I, Geometry, Algebra II, PLUS a fourth mathematics course to be aligned with the students' after-high-school plans is required for graduation. Students seeking to complete the minimum application requirements for entrance to the UNC system must successfully complete 4 mathematics courses, which include a mathematics course with Algebra II as a pre-requisite. Elective courses are available to prepare students as needed to meet required courses for graduation. Course sequences may not be offered at all ABSS high schools each semester. Please contact your school guidance department to determine specific course offerings.

- ❖ **Introductory Mathematics**
- ❖ **Foundations of Algebra**
- ❖ **Algebra I**
- ❖ **Foundations of Geometry**
- ❖ **Geometry**
- ❖ **Geometry Honors**
- ❖ **Foundations of Advanced Algebra**
- ❖ **Algebra II**
- ❖ **Algebra II Honors**
- ❖ **Discrete Mathematics**
- ❖ **Discrete Mathematics Honors**
- ❖ **Adv Functions & Modeling**
- ❖ **Pre-Calculus Honors**
- ❖ **Calculus Honors**
- ❖ **Calculus AP (AB)**
- ❖ **Calculus AP (BC)**
- ❖ **Statistics AP**

*The courses below need to be assigned by a guidance counselor/administrator at each school.*

- ❖ **Fundamental Mathematics I**
- ❖ **Fundamental Mathematics II**
- ❖ **Alternate Mathematics I**
- ❖ **Alternate Mathematics II**

## Possible Math Sequences

Denotes final course that must be completed in order to meet math requirements for graduation

	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Course 8
Sequence A	<i>Introductory Mathematics (elective)</i>	<i>Foundations of Algebra (elective)</i>	<b>Algebra I</b>	<i>Foundations of Geometry (elective)</i>	<b>Geometry</b>	<i>Foundations of Advanced Algebra (elective)</i>	<b>Algebra II 20242C05</b>	<b>AFM or Discrete Math</b>
Sequence B	<i>Foundations of Algebra (elective)</i>	<b>Algebra I</b>	<i>Foundations of Geometry (elective)</i>	<b>Geometry</b>	<i>Foundations of Advanced Algebra (elective)</i>	<b>Algebra II</b>	<b>AFM or Discrete Math</b>	
Sequence C	<b>Algebra I</b>	<b>Geometry or Geometry Honors</b>	<b>Algebra II or Algebra II Honors</b>	<b>AFM or Discrete Math or Discrete Math Honors</b>	<b>Statistics AP</b>			
Sequence D	<b>Geometry Honors</b>	<b>Algebra II Honors</b>	<b>Pre-Calculus Honors</b>	<b>Calculus Honors</b>	<b>Calculus AP –AB</b>	<b>Calculus AP – BC</b>	<b>Statistics AP</b>	<i>This sequence assumes that an Algebra I credit was earned in middle school.</i>
Sequence E	<b>Introductory Mathematics</b>	<b>Foundations of Algebra</b>	<b>Fundamentals of Math I</b>	<b>Fundamentals of Math II</b>	<i>For students that are covered under N.C.G.S 115C-81(b) and are exempt from the Algebra 1 requirement per the IEP team due to a severe learning disability in mathematics, the following courses meet graduation requirements. Due to the fact that these courses are not offered every year, the sequence may be adjusted.</i>			

## **Introductory Mathematics**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course includes the study of rational numbers, geometry, algebraic structures, patterns and data analysis. Students will work with various types of manipulatives as well as using appropriate technology.

## **Foundations of Algebra**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Foundations of Algebra is designed to assist students in mastering the prerequisite skills necessary for success in Algebra I. Students will learn to (1) operate with the real numbers to solve problems; (2) find, identify, and interpret the slopes and intercepts of a linear relation; (3) visually determine a line of best fit for a given scatter plot, explain the meaning of the line, and make predictions using the line; (4) collect, organize, analyze, and display data to solve problems; (5) apply the Pythagorean Theorem to solve problems. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Algebra I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Algebra I includes operations with polynomials, creation and application of functions (linear, quadratic, and exponential) and relations, algebraic representations of geometric relationships and descriptive statistics. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Appropriate technology, from manipulatives to calculators, will be used regularly for instruction and assessment. *The North Carolina Algebra I End-of-Course test will be administered at the conclusion of this course.*

## **Foundations of Geometry**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Foundations of Geometry is a course designed for students who have earned an Algebra I credit but require additional support in mastering the skills necessary for success in Geometry. This course will allow students to develop the understanding of geometric terminology and concepts through the use of manipulatives, technology, algebraic representation and development of problem solving skills. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Geometry**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Geometry focuses on proofs, applying geometric concepts, similarity leading to an understanding of right triangles, trigonometry and connections to quadratics through Pythagorean relationships. Further study includes circles, equation for a conic section and visualizing relationships between two-dimensional and three-dimensional objects. Probability and data are explored through conditional probability and counting methods, including their use in making and evaluating decisions.

## **Geometry Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Geometry Honors is a more rigorous course that extends in greater depth the concepts from Geometry. These concepts include proofs, applying geometric concepts, similarity leading to an understanding of right triangles, trigonometry and connections to quadratics through Pythagorean relationships. Further study includes circles, equation for a conic section and visualizing relationships between two-dimensional and three-dimensional objects. Probability and data are explored through conditional probability and counting methods, including their use in making and evaluating decisions.

## **Foundations of Advanced Algebra**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Foundations of Advanced Algebra is a course designed for students who have earned a Geometry credit but need additional support in mastering the skills necessary for success in Algebra II. This course will give students the opportunity to build on prior algebraic concepts that include radicals, functions, equations and systems. *This course provides one unit of elective credit, but does not count as one of the four math credits required to graduate meeting the future-ready core requirements.*

## **Algebra II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Algebra II concepts include the study of real numbers; complex numbers; quadratic, logarithmic and exponential functions; systems of equations and inequalities; and limited conics, statistics and trigonometry.

## **Algebra II Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Algebra II Honors provides a more rigorous study of advanced algebraic concepts including real numbers; complex numbers; quadratic, logarithmic and exponential functions; systems of equations and inequalities; and limited conics, statistics and trigonometry.

## **Discrete Mathematics**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Discrete Mathematics introduces students to the mathematics of networks, social choice, and decision making. Students will use matrices and recursively-defined relationships to solve problems, as well as working with simulations for probability models. Applications and modeling are central to this course of study. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.

## **Discrete Mathematics Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Discrete Mathematics Honors is a more rigorous course that extends deeper into the concepts and provides opportunities for students to apply, model and investigate. The course extends students' application of matrix arithmetic and probability. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.

## **Advanced Functions and Modeling**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Advanced Functions and Modeling provides an in-depth study of modeling and applying functions. Linear, quadratic, cubic, trigonometric, exponential, logarithmic and piece-wise functions will be used to solve problems. Students will also analyze data and apply probability concepts to solve problems. Home, work, recreation, consumer issues, public policy, and scientific investigations are areas from which applications will originate. Appropriate technology will be used regularly for instruction and assessment.

## **Pre-Calculus Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Pre-Calculus Honors provides students an honors-level study of trigonometry, advanced functions, analytic geometry, and data analysis in preparation for calculus. Applications and modeling will be included throughout the course of study. *A grade of B or higher in Algebra II is recommended for this course.*

## **Calculus Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Calculus Honors is designed for the above average mathematics students who plan to pursue a math oriented college curriculum. It includes a study of functions, limits, differentiation, and use of integrals in problem solving. *A grade of B or higher in Pre-Calculus is recommended for this course. Calculus Honors does not satisfy the UNC system minimum math requirements.*

## **Calculus AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement Calculus is designed for those students who want to undertake studies on the college level. Students prepare to take the College Board standardized test and may receive credit based on their scores. The "AB" or "BC" curriculum will be taught. *Students are expected to take the AP examination. The student may earn college credit for successful completion of the course and AP examination.*

## **Statistics AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement Statistics is an introductory, non-calculus based, college course in statistics. The four major topics studied include organizing data, producing data: samples and experiments, probability: foundations of inference, and inference: conclusions with confidence. Students entering the course should be proficient in reading mathematical text and be willing to research independently outside of class time. *A grade of B or higher in Algebra II is recommended for this course. Students are expected to take the AP examination. The student may earn college credit for successful completion of the course and AP examination.*

## **Fundamental Mathematics I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed for students who are exempt from the Algebra I graduation requirement. Students will have the opportunity to expand on their algebraic and numerical skills within practical mathematical concepts relevant to student interest and needs using manipulatives, technology and development of problem solving skills. Students will apply these algebraic, geometrical, measurement, probability and statistical concepts to the real world.

## **Fundamental Mathematics II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed for a level two course in mathematics for students who are exempt from the Algebra I graduation requirement and have successfully completed Fundamental Mathematics I. The concepts and skills of Fundamentals of Math I will be continued and expanded. Students will use these algebraic, geometrical, measurement, probability and statistical concepts in relevant problem solving.

## **Alternate Mathematics I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Alternate Mathematics I provides learners an opportunity to apply mathematical concepts from Algebra I and Geometry in practical situations while focusing on learning skills associated with information and communication technology.

## **Alternate Mathematics II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Alternate Mathematics II provides learners an opportunity to apply mathematical concepts from Algebra I and Geometry in financial situations while focusing on learning skills associated with information and communication technology.

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# Science

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The goal of the North Carolina Essential Standards for science is to achieve scientific literacy. The National Science Education Standards define scientific literacy as “the knowledge and understanding of scientific concepts and processes required for scientific decision making, participation in civic and cultural affairs, and economic productivity.”

North Carolina students can achieve scientific literacy through an instructional program based on the science component of the Essential Standards.

Students will develop the skills to:

- Find or determine answers to questions derived from everyday experiences.
- Describe, explain, and predict natural phenomena.
- Understand articles about science.
- Engage in non-technical conversation about the validity of conclusions.
- Identify scientific issues underlying national and local decisions.
- Pose explanations based on evidence derived from one’s own work

- ❖ **Physical Science**
- ❖ **Biology I**
- ❖ **Biology I Honors**
- ❖ **Biology II Honors**
- ❖ **Biology AP**
- ❖ **Earth/Environmental Science**
- ❖ **Earth/Environmental Science Honors**
- ❖ **Environmental Science AP**
- ❖ **Chemistry I**
- ❖ **Chemistry I Honors**
- ❖ **Chemistry II Honors**
- ❖ **Chemistry AP**
- ❖ **Physics**
- ❖ **Physics Honors**
- ❖ **Physics AP**
- ❖ **Anatomy & Physiology Honors**
- ❖ **Oceanography**
- ❖ **Life Science Techniques**
- ❖ **Intro to Forensic Science**
- ❖ **Forensic Science Honors**



## ABSS High School Science Sequence for Students Entering 9th Grade in 2012-2013 or Later

### To graduate meeting Future-Ready Core Requirements:

- School counselors are available to answer any questions you may have about what is needed to reach the goal of high school graduation.
- All students must take and pass 3 science courses - Earth/Environmental, Biology, and a Physical Science.
- Course sequences may not be offered at all ABSS high schools each semester. Please contact your school to determine specific course offerings.

	<b>Course 1</b>	<b>Course 2</b>	<b>Course 3</b>	<b>Course 4</b>	<b>Course 5</b>
Sequence A	Earth/Environmental	Life Science Techniques (Elective)	Biology I	Physical Science or Chemistry I	
Sequence B	Earth/Environmental Or Earth/Environmental Honors	Biology I	Physical Science Or Chemistry	Science Elective	
Sequence C	Biology I Honors	Chemistry I Honors	Earth/Environmental Honors or AP Environmental	Science Elective	
Sequence D	Biology I Honors	Earth/Environmental Honors	Chemistry I Honors	Biology II Honors Or Chemistry II Honors or Science Elective or AP Environmental	AP Biology Or AP Chemistry
Sequence E	Earth/Environmental Honors	Biology I Honors	Chemistry I Honors	Biology II Honors Or Chemistry II Honors Or AP Physics Or Science Elective or AP Environmental	AP Biology Or AP Chemistry

## **Physical Science**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: The physical science curriculum provides students a course in scientific inquiry, forces and motion, energy and conservation, electricity and magnetism, the properties of matter and regularities in chemistry. *This course satisfies the state graduation requirement in physical science.*

## **Biology I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Biology I provides students a course in scientific inquiry; physical, chemical and cellular basis of life; the continuity of life and the changes of organisms over time; unity and diversity of life; and ecological relationships among organisms. *The Biology I End-of-Course Test as well as successful completion of this course will satisfy the state graduation requirement for Biology.*

## **Biology I Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Biology I Honors is a more rigorous offering of the concepts in Biology I. Emphasis will be placed on greater depth of the concepts in order to increase critical thinking skills. *The Biology I End-of-Course Test as well as successful completion of this course will satisfy the state graduation requirement for Biology.*

## **Biology II Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Biology II Honors is a second year Biology course designed for the scientifically oriented student. The curriculum may include anatomy and physiology, marine biology, behavior, genetics, zoology, survey of the six kingdoms, ecology, and recent research in the field of biology. *It is recommended that students who enroll in this course have successfully completed Biology I and Chemistry I.*

## **Biology AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement Biology is a rigorous college level introductory biology course following the Advanced Placement curriculum of the College Board. The curriculum includes molecules and cells, heredity/genetics, organisms and populations. It is expected that this course will require greater amounts of time and effort on the part of the student. Descriptive and experimental laboratory experiences will be assigned to provide maximum opportunity for students to learn a variety of skills and concepts. Students are expected to take the AP Biology Examination. *It is recommended that students who enroll in this course have successfully completed Chemistry I and Biology II. A student may earn college credit for successful completion of the course and AP examination.*

## **Earth/Environmental Science**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: The Earth/Environmental science curriculum focuses on the function of the earth's systems. Emphasis is placed on matter, energy, plate tectonics, environmental awareness, materials availability and the cycles that circulate energy and matter through the earth's system. *Successful completion of this course will satisfy the state graduation requirement for Earth Science.*

## **Earth/Environmental Science Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Earth/Environmental Science Honors is a more rigorous offering of the concepts in Earth/Environmental Science. Emphasis will be placed on greater depth of the concepts in order to increase critical thinking skills. Course work will be accomplished by using a scientific approach which stresses observation, critical thinking, and problem solving. Students are expected to participate in laboratory activities as well as group and individual learning activities. *Successful completion of this course will satisfy the state graduation requirement for Earth Science.*

## **AP Environmental Science**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement Environmental Science is a rigorous college-level course focusing on the following: Earth's systems (Earth Science, atmosphere and biosphere, water and soil), the living world (ecosystems, energy and cycles), population dynamics, land and water use, energy resources and consumption, pollution and global change. It is expected this college-level course will require greater amounts of time and effort on the part of the student. Descriptive and experimental laboratory experiences will be assigned to provide maximum opportunity for students to learn a variety of skills and concepts. Students are expected to take the AP Environmental Science examination. *The student may earn college credit for successful completion of the course and AP examination. Successful completion of this course will satisfy the state graduation requirement for Earth Science.*

## **Chemistry I**

**Course Credit: Unit 1**

**Course Weight: 4.0**

Course Description: Chemistry I provides students a course focusing on scientific inquiry, structure and properties of matter, regularities in chemistry, energy changes in chemistry and chemical reactions. *It is recommended that students who enroll in this course have successfully completed Biology I and Algebra II. This course satisfies the state graduation requirement in physical science.*

## **Chemistry I Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Chemistry I Honors is a more rigorous course offering of the concepts from the Chemistry I curriculum. Primary focus will be on mathematical computation and higher level cognitive reasoning as it relates to chemical principles. Students should have a strong reading and mathematical background, evidenced by academic achievement. A strong emphasis will be on the laboratory experience. *It is recommended that students who enroll in this course have successfully completed Biology I and Algebra II. This course satisfies the state graduation requirement in physical science.*

## **Chemistry II Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Chemistry II Honors, a prerequisite/companion course to AP Chemistry, provides students with a deeper understanding of concepts presented in Chemistry I. Focus is given to more complex problems and intensive laboratory work that involves quantitative measurements. The course prepares students for pursuing careers in engineering, pharmacy, chemistry, and health. *It is recommended that students who enroll in this course have successfully completed Chemistry I.*

## **Chemistry AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement Chemistry is a rigorous college level chemistry course that follows the Advanced Placement curriculum of the College Board. This course will involve complex chemical calculations. It is expected this college level course will require greater amounts of time and effort on the part of the student. Descriptive and experimental laboratory experience will be assigned to provide maximum opportunity for students to learn a variety of skills and concepts. *Students are expected to take the AP Chemistry Examination. The student may earn college credit for successful completion of the course and AP examination. It is recommended that students who enroll in this course have successfully completed Chemistry II Honors.*

## **Physics**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Physics course provides a study using the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction. *It is recommended that students who enroll in this course have successfully completed Chemistry I and Algebra II.*

## **Physics Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Physics Honors provide students an in-depth study using the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction. Students will study linear motion, two-dimensional motion including circular motion, forces and Newton's Laws of Motion, impulse and momentum, energy as the ability to cause change, wave motion and the wave nature of sound and light, static electricity and direct current electrical circuits. *This course satisfies the state graduation requirement in physical science. It is recommended that students who enroll in this course have successfully completed Chemistry I and a math beyond Algebra II.*

## **Physics AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement Physics is a college level physics course. The College Board course of study will be followed. This course is designed to advance the students' understanding of natural phenomena by an in-depth approach to the topics of physics. Students are expected to take the AP Physics Examination. The student may earn college credit for successful completion of the course and AP examination. *It is recommended that students who enroll in this course have successfully completed Physics and a math beyond Algebra II.*

## **Anatomy and Physiology Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course serves as an elective course and is an advanced detailed study of the structure and function of the human body. This course is well suited for students interested in pursuing a career in allied health fields. Students will explore anatomical terminology, homeostasis, cytology and histology. Appropriate laboratory exercises accompany the curriculum to provide students relevant application opportunities.

## **Life Science Techniques**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Life Science Techniques is an elective course in which students will explore the concepts and principles of life science and apply these concepts and principles to issues in the workplace, in society, and in personal experiences. Investigative, hands-on lab activities that address the high school inquiry standards are an integral part of this course. *It is recommended that this course be paired with Biology I.*

## **Oceanography**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Oceanography is an elective science course that offers students the opportunity to investigate physical oceanography (wind and waves), geological oceanography (earthquakes and plate tectonics), and biological oceanography (from algae to whales).

## **Intro to Forensic Science**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Forensics is an elective course that focuses on the field of science emphasizing chemistry, biology, biotechnology, geology, and physics and their application in solving criminal cases. This forensics course will focus on the scientific evidence collection methods behind solving crimes and other aspects of detective work, such as criminal psychology, fingerprinting, handwriting analysis, and odontology. *It is recommended that students who enroll in this elective science course have successfully completed Biology I and Chemistry I.*

## **Forensic Science Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This rigorous science elective involves the application of forensic science techniques to applicable criminal and civil law. In this course, students will study relevant scientific and technological principles and techniques used to solve crimes. Students will be involved in integrating the scientific methodology with actual forensic application. This course will also include a variety of laboratory methods and forensic case files to give students valuable opportunities for interactive hands-on experiences and to develop problem-solving and critical thinking skills. *It is recommended that students who enroll in this elective science course have successfully completed Biology I and Chemistry I.*

# Social Studies

Social studies is the integrated study of the social sciences and humanities to promote effective citizenry. Within the K-12 program, social studies provide coordinated, systematic study drawing upon such disciplines as economics, history, geography, anthropology, archeology, law, philosophy, political science, religion, and sociology, as well as appropriate content from the humanities, mathematics, and the natural sciences.

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|--|---|
| <ul style="list-style-type: none"> <li>❖ World History</li> <li>❖ World History Honors</li> <li>❖ World History AP</li> <li>❖ Civics &amp; Economics</li> <li>❖ Civics &amp; Economics Honors</li> <li>❖ United States History</li> <li>❖ United States History Honors</li> <li>❖ United States History AP</li> <li>❖ European History AP</li> </ul> | <ul style="list-style-type: none"> <li>❖ 1960's Era</li> <li>❖ American Civil War</li> <li>❖ Military History</li> <li>❖ African American Studies</li> <li>❖ Psychology</li> <li>❖ Psychology AP</li> <li>❖ US Government and Politics AP</li> <li>❖ World Religions</li> </ul> |
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## Possible Social Studies Sequences

**Students who entered 9<sup>th</sup> grade in 2011-2012 (three required courses):**

	Course 1	Course 2	Course 3
<b>Sequence A</b>	World History	Civics and Economics	United States History
<b>Sequence B</b>	World History Honors/AP	Civics and Economics Honors	United States History Honors or American History AP

**Students who entered 9<sup>th</sup> grade in 2012-2013 and later (four required courses)**

	Course 1	Course 2	Course 3	Course 4
<b>Sequence A</b>	World History	Civics and Economics	American History I	American History II
<b>Sequence B</b>	World History Honors	Civics and Economics Honors	American History I Honors	American History II Honors
<b>Sequence C</b>	World History Honors/AP	Civics and Economics Honors	American History AP	Social Studies Elective

## **World History**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course will address six periods in the study of world history, with a key focus of study from the mid 15<sup>th</sup> century to the present. Students will study major turning points that shaped the world in order to develop understandings of current world issues and relate them to their historical, political, economic, geographic and cultural contexts. Students will 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.

## **World History Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course is designed to challenge students. This course will address six periods in the study of world history, with a key focus of study from the mid 15<sup>th</sup> century to the present. Students will study major turning points that shaped the world in order to develop understandings of current world issues and relate them to their historical, political, economic, geographic and cultural contexts. Students will 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.

## **World History AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: This course concentrates on the patterns of global processes and contacts in interaction with different types of human societies. This course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Students build an understanding of cultural, institutional and technological precedents that, along with geography, set the human stage prior to the common area. Substantial out-of-class reading, writing, and research are expected. *Students are expected to take the AP World History Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **Civics & Economics**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course will provide students the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. This course provides students with a framework for understanding the basic tenets of American democracy, practices of American government as established by the US Constitution, basic concepts of American politics and citizenship, and concepts in micro- and macroeconomics and personal finance.

## **Civics & Economics Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course is designed to challenge students. This course will provide students the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. This course provides students with a framework for understanding the basic tenets of American democracy, practices of American government as established by the US Constitution, basic concepts of American politics and citizenship, and concepts in micro- and macroeconomics and personal finance.

## **United States History**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is a comprehensive, chronological survey covering the historical development of the U.S. from the Federalist Era to the present. Emphasis is on the social, economic, and political forces that have shaped our nation.

## **United States History Honors**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course is designed to challenge students. It is a comprehensive, chronological survey covering the historical development of the U.S. from the Federalist Era to the present. Emphasis is on the social, economic, and political forces that have shaped our nation. Note taking and reading skills are enhanced during this course.

## **United States History AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement United States History is a course that is equivalent to an introductory American History course at the college level. This course provides an analytical and historical study of the United States by examining the major trends and events spanning United States history from the age of discovery to the present. Substantial out-of-class reading, writing, and research are expected. Pre-course reading may be required. *It is recommended that students who enroll in this course have successfully completed English II. Students are expected to take the AP United States History Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **European History AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: This course is designed for those students who want to undertake studies on a college level. The course provides an in-depth survey study of first semester college European History. Students will explore developments in Europe from the 17<sup>th</sup> Century through the 20<sup>th</sup> Century. Students prepare to take the Advanced Placement College Board examination and have the potential to earn college credit based on their exam score. *Students are expected to take the AP European History Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **1960's Era**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed for students to explore one of the most controversial eras in American History. Topics that will be covered in great detail include the Baby Boom Generation, John F. Kennedy and Lyndon B. Johnson's presidential administrations, the Civil Rights Movement, the Vietnam War, Counter Culture, and the Space Race. Students will learn how this era has altered the United States and changed how Americans look at themselves and the future of the country.

## **American Civil War**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course will explore the watershed event in American History, the Civil War, from several perspectives, including its military, political, cultural and strategic significance. Students will examine the war's impact on the civilians and military personnel caught up in it. Emphasis will be placed on military campaigns and strategy, the political aspects of the struggle, the life of the common soldier, and the war's consequences for the people back home.

## **Military History (and its Cultural Impact)**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is a study of how armed conflict has been a significant factor throughout the course of human history. It will involve a discussion of its causes, course and results as well as how it affects the society it touches.

## **African American Studies**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Through this course students will discover how African Americans have always been an integral part of the American experience as well as a viable force unto themselves with their own experiences, culture and aspirations.

## **Psychology**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed for those students who want to undertake studies on a college level. The course provides an in-depth study of psychological methods, the stages of psychological development, personality theories and disorders, as well as psychological disorders. Students will also research and explore major psychological researchers. *It is recommended that students who enroll in this course have successfully completed English II and Biology.*

## **Psychology AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: This course is designed for those students who want to undertake studies on a college level. The course provides an in-depth survey study of psychological methods, the stages of psychological development, personality theories and disorders, as well as psychological disorders. Students will also research and explore major psychological researchers. *It is recommended that students who enroll in this course have successfully completed English II and Biology. Students are expected to take the AP Psychology Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **U.S. Government and Politics AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: This course will cover in-depth the players, institutions, and history of the American political system. Students will master the following topics: the US Constitution, Political Beliefs and Behaviors, political Parties, Interest Groups, Mass Media, Institutions of National Government, Public Policy, and Civil Rights and Liberties. *Students are expected to take the AP U.S. Government & Politics Examination. The student may earn college credit for successful completion of the course and AP examination.*

## **World Religions**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is a study of how various world religions have been a significant factor in human history and will focus on basic belief systems, practices, impact on individuals and cultures, and societal impact. Students will gain an appreciation for the inception, development, and practices of various world religions throughout recorded history. They will also gain an understanding and appreciation of how various world religions have affected their lives, as well as the United States of America, both past and present.

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# World Language

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## French I

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course stresses the four language skills - listening, speaking, reading, and writing. Students study vocabulary, grammar, and sentence structure. Cultural and historical material is integrated into the course to increase student understanding of a culture other than their own.

## French II

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course begins with a review of the material learned in French I. The four language skills introduced in level I are continued with increased emphasis on reading and culture; as well as more complex grammatical structures and additional vocabulary.

## French III

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course is an in-depth study in application of the communication skills learned in levels I and II. Through various activities, students learn to speak the language with more fluency. Literature, history, and grammar are integral parts of this course.

## French IV

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: French IV is an expansion of the French III program. French IV strives to further develop communication skills. Selected readers, magazines, cultural publications, and resource people may be used. The major areas of concentration are literature, history, and grammar.

## French V

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: French V is an advanced level course designed for the student with a strong interest in language development, literature, and advanced speaking skills.

## French AP

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced Placement French is designed for those students who wish to undertake studies on a college level. The College Board course of study is used and students are prepared to take the advanced placement exam, which may carry college credit if scores meet specific requirements. The focus in this course is on grammar and the four language skills: listening, speaking, reading, and writing.

## Spanish I

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course stresses the four language skills - listening, speaking, reading, and writing. Students study vocabulary, grammar, and sentence structure. Cultural and historical material is integrated into the course to increase student understanding of a culture other than their own.

## Spanish II

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course begins with a review of the material learned in Spanish I. The four language skills introduced in level I are continued with increased emphasis on reading and culture.

### **Spanish III**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course is an in-depth study in application of the communication skills learned in levels I and II. Through various activities, students learn to speak the language with more fluency. Literature, history, and grammar are integral parts of this course.

### **Spanish IV**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Spanish IV is an expansion of the Spanish III program. Spanish IV strives to further communication skills. Selected readers, magazines, cultural publications, and resource people may be used. The major areas of concentration are literature, history and grammar.

### **Spanish V**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Spanish V is an advanced level course designed for the student with a strong interest in language development, literature, and advanced speaking skills.

### **Spanish AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: Advanced placement Spanish is designed for those students who wish to undertake language studies on the college level. The College Board Standard Course of Study is used and students are prepared to take the advanced placement exam which may carry college credit if scores meet specific requirements. The focus in this course is on grammar and the four language skills: listening, speaking, reading and writing.

### **Spanish I for Native Speakers**

**Course Credit: 1 Unit**

**Course Credit: 4.0**

Course Description: The Spanish for Native Speakers course (Level I) is not designed to replace English as a Second Language (ESL) instruction but instead to enhance the heritage language of the students. While many of the skills, processes, and strategies will transfer to English, the course content will be delivered in Spanish. Students who have been identified as limited-English proficient (LEP) will still need to receive assistance in learning English and in mastering content of other disciplines delivered in English.

### **Spanish II for Native Speakers**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: This course is designed specifically for native/heritage speakers of Spanish who already have some oral and written language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to continue developing, maintaining, and enhancing proficiency in Spanish by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for variety of audiences extending beyond the family, school, and community. This course will allow students to explore the cultures of the Hispanic world and gain a better understanding of their own language.

### **Latin I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course focuses on the structure of the Latin language-its forms, vocabulary, syntax, speaking skills and pronunciation. The student also becomes familiar with the customs, literature, mythology, and history of Rome through the translation of short Latin passages. The student's understanding of the English language is improved through the study of Latin derivatives and grammar. Translation skills as well as reading skills are introduced to students.

## **Latin II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course offers further study in Latin grammar and translation. The influence of Rome and the Latin language on our language and culture is examined. The study of prefixes and other Latin word parts continues to help the student build a better English vocabulary. Reading and speaking skills continue to be emphasized and translation skills are stressed.

## **Latin III**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Latin III is a survey of Latin literature by ancient authors and a continued concentration on grammar skills. Emphasis is on translation using skills acquired in Latin I and II and an increased awareness of English derivatives and vocabulary. Literature, history, grammar, writing, reading, speaking and translating are emphasized.

## **Latin IV**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: Latin IV is an expansion of Latin III and strives to develop the various areas of language understanding and specific skills, especially reading and comprehension. Selected readers, cultural publications, and resource people may be used. The major areas of concentration are literature, history, grammar, writing, reading, speaking and translating.

## **Latin AP: Vergil**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

Course Description: AP Latin is designed for those students who wish to undertake studies on a college level. The College Board course of study is used and students are prepared to take the AP exam which may carry college credit if scores meet specific requirements. The focus in this course is the Vergil's Aeneid.

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# Occupational Preparation

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## **Occupational Preparation I**

Course Description: 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. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

## **Occupational Preparation II**

Course Description: This course content is focused on providing students with a range of 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. This is a two-credit course.

## **Occupational Preparation III**

Course Description: This course is designed to allow students to continue the development and begin the application of skills learned in Occupational Preparation I and II. Work-based learning activities are an integral part of this course to allow students to apply employability skills in an employment setting and to demonstrate the effectiveness of their work personality. This is a two-credit course.

## **Occupational Preparation IV**

Course Description: This course gives students the opportunity to synthesize all the skills acquired in the previous Occupational Preparation courses and apply them to their personal career choice. Students complete the 360 hours of integrated competitive employment required for 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 experience.

## **OCS English I**

Course Description: This course emphasizes critical and creative thinking and reading skills. A review of English grammar skills complements the development of writing skills.

## **OCS English II**

Course Description: This course stimulates creative and critical thinking skills, reviews English grammar skills and develops vocabulary, literary, and writing skills.

## **OCS English III**

Course Description: This course gives students the opportunity to read, write and orally express information in a variety of daily living and vocational settings. They will identify and carry out problem solving skills as it relates to personal life situations.

## **OCS English IV**

Course Description: This course gives students the opportunity to integrate oral, written and visual communication skills in a variety of daily living and employment situations. They will use reading and

writing strategies and apply them to the areas of employment, post-secondary education/training, and independent living domains. They will use technology to create various products and complete a personal career portfolio.

### **OCS Introductory Mathematics**

Course Description: OCS Introductory Mathematics includes the study of: a) understanding rational numbers and using mathematical operations to solve problems related to real world situations, b) use properties of two and three dimensional figures to solve problems, c) time and measurement, d) apply algebraic properties to solve problems, patterns and relationships, e) understand data in terms of graphical displays, measures of center and range.

### **OCS Algebra I**

Course Description: Algebra I includes operations with polynomials and matrices, creation and application of linear functions and relations, algebraic representations of geometric relationships, and an introduction to nonlinear functions. Students will be expected to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment.

### **OCS Financial Management**

Course Description: This course gives students the opportunity to understand personal financial planning. It includes the study of: a) methods for personal financial management and independent living, b) state and federal income taxes, c) wages and compensation.

### **OCS Applied Science**

Course Description: This course includes the study of a) force and motion, b) energy and its conservation, c) electricity and magnetism, d) properties of matter, e) uses and dangers of common chemicals, f) human effects on the environment, g) human body's basic needs and control systems.

### **OCS Biology**

Course Description: This course includes the study of a) structure and functions of living organisms, b) ecosystems and human impact on them, c) evolution and genetics, d) biological molecules and importance to living organisms.

### **Occupational Social Studies I**

Course Description: This course is designed to provide the student with the basic economic government and political knowledge they need to become responsible citizens and consumers. It covers the historical background of development of the United States, including the Constitution and Amendments, the three branches of government, and major laws that affect citizens. The course also covers state and local government roles and jurisdictions and issues of personal citizenship.

### **Occupational Social Studies II**

Course Description: This course is designed to teach students skills related to self-determination essential for achieving independence and successful adult outcome. Instructional emphasis will be placed on the application & generalization of self-determination skills to post-school environments.

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# Health & Physical Education

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## Health and Physical Education

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Physical Education and Health is a required course designed to develop physically, mentally, socially and emotionally healthy citizens. In Health, a wide variety of information is given to increase the students' knowledge in areas of protecting self and others, substance abuse, stress management, relationships, nutrition and skills, such as communicating and problem solving. In Physical Education, students have the opportunity to participate in team and individual sports, as well as leadership opportunities. Physical fitness is emphasized.

## Health and Freshman Seminar

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Health and Freshman Seminar is a required course designed to develop physically, mentally, socially and emotionally healthy citizens. In Health, a wide variety of information is given to increase the students' knowledge in areas of protecting self and others, substance abuse, stress management, relationships, nutrition and skills such as communicating and problem solving. In Freshman Seminar, students gain skills for life, school, and personal finance, as well as a community service component.

## Physical Education I

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Physical Education is a required course designed to develop physically, mentally, socially and emotionally healthy citizens. In Physical Education, students have the opportunity to participate in team and individual sports, as well as leadership opportunities. Physical fitness is emphasized.

## Physical Education II

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*  
Course Description: Students will have an opportunity to participate in activities that they are introduced to in Health and Physical Education. Some of the activities may include team sports such as basketball, volleyball, and soccer, as well as individual sports such as tennis and badminton.

## Physical Education III

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Physical Education II*

Course Description: Students will have a chance to expand their activities that they are introduced to in Physical Education II. Some of the activities may include team and individual sports. Leadership, social skills, and physical fitness are emphasized.

## Physical Fitness

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*  
Course Description: This course stresses development through daily exercises and activities in a planned fitness program. Students will learn proper techniques for weightlifting, flexibility exercises, and toning and conditioning through cardiovascular exercises. Emphasis is placed on improving strength, agility, endurance, speed, and cardiovascular through highly organized training. Measurement of the progress is determined by increase in strength in proportion to the student's body and times for cardiovascular endurance.

## **Sports Education I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*

Course Description: This course is designed to give students a total experience in sports which are popular throughout our culture. Students will participate in competition, which will be in a full season format. Officiating and keeping statistics will be an aspect of the class, as well as emphasizing leadership and sportsmanship. Field trips to local high school, college and professional games may be offered to enhance the learning experience. Some of the activities may include (but are not limited to): volleyball, flag football, badminton, ping-pong, water polo, racquetball, basketball, soccer, whiffleball, and golf.

## **Sports Education II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Sports Education I*

Course Description: This course is designed to give students a total experience in sports which are not prevalent throughout our culture. Students will participate in competition, which will be in a full season format. Officiating and keeping statistics will be an aspect of the class, as well as emphasizing on leadership and sportsmanship. Field trips to local high school, college and professional games may be offered to enhance the learning experience. Some of the activities may include (but are not limited to): team handball, disc golf, ultimate football, ping-pong, water volleyball, handball, one-pitch softball, and bowling.

## **Sports Medicine I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Health and Physical Education/Health and Freshman Seminar and Physical Education I*

Course Description: This course is an introduction to sports medicine as a profession and the role of an athletic trainer. This course covers basic human anatomy, physiology, and kinesiology principals focusing on specificity of training methods, sports related injuries, and rehabilitation methods. This course will include field trips to sports medicine treatment facilities and guest speakers. Basic sports medicine principles will be introduced.

## **Sports Medicine II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Sports Medicine I, Biology*

Course Description: The Sports Medicine II class will build on knowledge gained from Sports Medicine I and Biology (prerequisites.) The curriculum would include injury management, rehabilitation, therapeutic modalities, legal aspects of athletic training, nutrition, skin conditions, medical terminology, advanced athletic anatomy, taping, event preparation, conditioning, first aid, cardiopulmonary resuscitation, and the use of automatic external defibrillation. Instruction would be given through a variety of methods. These would include lecture, laboratory experiments, guest speakers, and hands-on activities. Technology would also be used in instruction as well as during classroom activities. Opportunities to gain athletic field experience and real life medical experience would be offered.

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# Special Programs

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## Student Media Assistant

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course provides instruction in the orientation and organization of the media center, selection and utilization of materials and equipment, and the production of materials.

## Freshman Seminar

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is offered during ninth grade to provide opportunity for students to develop academic and social skills needed for success in high school. Lessons include emphasis on the following: long-range projects, cooperative learning activities, reflective journal writing, note-taking, time management, study skills, social and human relations skills.

## Leadership

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed to provide students in the 10, 11, and 12 grades with leadership skills and offer the students realistic opportunities in which they can put these skills to work. The course will include theories of leadership, debate, problem solving, speech making, committee work, personal management, inter-personal skills, and citizenship development.

## Mass Media (Eng/SS)

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course will consist of writing and classroom investigation regarding how our world communicates via the various avenues of the mass media. Mass Media will focus on the world of newspapers, radio, television and the Internet. Students will examine the history, social impact, basic technical outline and the inner workings of Mass Media. The student will identify where the information is located, how the information is structured for print and broadcast, identify what is determined as newsworthy, and gain insight from hands on experience.

## SAT Prep

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course focuses on preparing students for the new SAT by focusing on critical reading skills, mathematical reasoning skills, and writing skills.

## ESL Level 1A

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: None*

Course Description: This course is for English Language Learners, new to the English Language, within the first year in US schools. The course will focus on the listening, reading, speaking and writing skills in English to prepare their transition to content area classes. It is also an introduction to U.S. schools and American culture.

## ESL Level IB

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: None (preferred ESL Level 1 A)*

## ESL Level IIA

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is a continuation of ESL Level IA for English language Learners who are within the first two years in US schools and beginning to understand language and use it in a limited

capacity. The course will include a focus on listening, speaking reading and writing skills to help students progress in social and academic contexts in English.

### **ESL Level IIB**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: ESL Level1A or 1B*

Course Description: This course is for high beginners and/or low intermediate for English Language Learners who are in the process of further developing language skills pertaining to familiar topics, whose language needs are in comprehending and using academic vocabulary in English. The course will focus on listening, speaking, reading and writing skills to help students progress in social and academic contexts in English.

### **ESL Level III**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: Level II or Recommendation by ESL teacher*

Course Description: This course is a continuation of ESL Level II and it is for intermediate or high intermediate English Language Learners. These students participate well in most everyday situations whose language needs are with academic and idiomatic language. This course would include a focus on developing listening speaking reading and writing skills to help students progress mainly in academic context in the core content areas.

### **ESL Level IV**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: Level III or Recommendation from the ESL teacher/content teacher*

Course Description: This course is for advanced English Language learners whose academic language skills are expanding. These students need support with complicated literary text and academic writing. The course will emphasize reading and writing skills to help students succeed in academic contexts in the core content areas.

### **Advanced Reading and Writing**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: Level IV or recommendation from content and/or ESL teacher*

Course Description: This course focuses on refining reading and writing skills to help English Language Learners with the goal of exiting students from ESL Services.

### **Naval Science I**

**Course Credit: 1 Unit                      Course Weight: 4.0**

Course Description: This course introduces students to the precepts of citizenship, the elements of leadership, and the value of sound appreciation for the heritage and traditions of America, with recognition that the role of sea power will be important in America's future, and develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at a fundamental level.

### **Naval Science II**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: Naval Science I*

Course Description: This course is designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future, and develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at a fundamental level.

### **Naval Science III**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Naval Science II*

Course Description: This course further develops the traits of leadership in students and introduces cadets to the vital importance of military justice, international law, and continues with the instruction of Naval Science to include astronomy, meteorology, weather, and the maneuvering board, as well as provides an understanding of the facets of sea power, national security, and naval history.

### **Naval Science IV**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Naval Science III*

Course Description: This course builds on the basic qualities of being a good follower and an effective leader provided in Naval Science I, II and III and takes a more in-depth look at what leadership is and how to maximize your abilities in the leadership area.

### **Advanced Military Studies I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Naval Science I*

Course Description: This course augments and improves students' knowledge gained from Naval Science I. As an elective follow-up course, it reinforces knowledge and techniques previously learned, providing a deeper appreciation and preparation of achieving higher success in the NJROTC program. It will further develop the traits of leadership in students and expand cadets' knowledge of naval operations, both ship and aircraft, orienteering, first aid and survival techniques. Students will additionally gain a better appreciation of leadership techniques and how they are applied in drill and ceremonies.

### **Advanced Military Studies II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Naval Science II*

Course Description: The Advanced Military Studies II program includes four components: expansion of leadership roles and practices; increased awareness, usage, and application of naval technology; advanced studies and research of Navy history; and advanced practices and techniques of military drill. Cadets will learn, practice, and instruct through utilization of text and video references, workshops, and hands on applications. Cadets will be evaluated using professionally developed written and practical test, research projects, and demonstration of advanced techniques and knowledge of military drill.

### **Advanced Military Studies III**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Naval Science III*

Course Description: This course augments and improves students' knowledge gained from Naval Science III. This elective follow-up course reinforces knowledge and techniques previously learned, providing a deeper appreciation and prepares the students for higher positions within the unit. It will further develop the traits of leadership in students and expand cadets' knowledge in astronomy, meteorology, weather, naval electronics, the facets of sea power, national security, military law and order, justice, and international law.

### **Advanced Military Studies IV**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Naval Science IV*

Course Description: The Advanced Military Study IV program includes five components: leadership roles and positive leadership techniques; group dynamics; roles and responsibilities of a military officer; effective communications in planning and advanced military drill. Cadets will learn, practice, and instruct through utilization of text and video references, workshops, and hands on applications. Cadets will be evaluated using professionally developed written and practical tests, research projects, demonstration of advanced techniques, and knowledge of military drill.

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# Arts Education

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## Vocal Music: Chorus (Mixed and Treble)

### Vocal Music Beginning

**Course Credit: 1 Unit**                      **Course Weight: 4.0**

Course Description: This course is designed for students with limited choral experience and/or students who have not yet achieved Intermediate level course standards. Proper vocal technique, beginning music reading skills, and critical listening skills will be taught through ear training and choral singing. Students will also study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Beginning Music.

### Vocal Music Intermediate

**Course Credit: 1 Unit**                      **Course Weight: 4.0**

*Prerequisite: Beginning Level*

Course Description: This course is designed for students with some choral experience and/or students who have not yet achieved Proficient level course standards. Proper vocal technique, intermediate music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will also study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Intermediate Music.

### Vocal Music Proficient (Honors)

**Course Credit: 1 Unit**                      **Course Weight: 5.0**

*Prerequisites: Intermediate Level and Audition*

Course Description: This course is designed for students with some choral experience and/or students who have not yet achieved Advanced level course standards. Proper vocal technique, proficient music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will continue to study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Proficient Music.

## Music Specialization: Choral Ensemble

### Music Specialization Intermediate

**Course Credit: 1 Unit**                      **Course Weight: 4.0**

*Prerequisites: Beginning Level Chorus and Audition*

Course Description: This course is designed for students with some choral experience and/or students who have not yet achieved Proficient level course standards. Proper vocal technique, intermediate music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will also study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Intermediate Music.

### Music Specialization Proficient (Honors)

**Course Credit: 1 Unit**                      **Course Weight: 5.0**

*Prerequisites: Intermediate Level and Audition*

Course Description: This course is designed for students with significant choral experience and/or students who have not yet achieved Advanced level course standards. Proper vocal technique, proficient music reading skills, and evaluative skills will be taught through ear training and choral singing. Students

will continue to study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Proficient Music.

### **Music Specialization Advanced (Honors)**

**Course Credit: 1 Unit                      Course Weight: 5.0**

*Prerequisites: Proficient Level and Audition*

Course Description: This course is designed for students with extensive choral experience and demonstrated Proficient level course standards. Proper vocal technique, advanced music reading skills, and evaluative skills will be taught through ear training and choral singing. Students will continue to study how other disciplines relate to music, and will participate in performances for the school and community. Assessments for this course will be based upon the NC Essential Standards for Advanced Music.

## **Orchestra**

### **Orchestra Beginning**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: Training on String Instruments at the Elementary and Middle School Level*

Course Description: Beginning Orchestra is designed for students with limited orchestra experience and/or students who have not yet achieved the Intermediate level course requirements as laid out in the Beginning to Intermediate Level Change Checklist. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. Assessments for this course will be based upon the North Carolina Essential Standards for Beginning Music.

### **Orchestra Intermediate**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisite: Orchestra*

Course Description: Intermediate Orchestra is designed for students who have completed all of the standards for Beginning Orchestra. Prerequisites for this course include teacher recommendation and/or placement assessment using the Beginning to Intermediate Level Change Checklist. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. Assessments for this course will be based upon the North Carolina Essential Standards for Intermediate Music and the Orchestra Proficient Level Assessment.

### **Orchestra Proficient (Honors)**

**Course Credit: 1 Unit                      Course Weight: 5.0**

*Prerequisites: Orchestra Intermediate and/or Audition*

Course Description: Proficient Orchestra is designed for students who have completed all of the standards for Intermediate Orchestra. Prerequisites for this course include a passing score on the Orchestra Proficient Level Assessment. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. Assessments for this course will be based upon the North Carolina Essential Standards for Proficient Music.

### **Orchestra Advanced (Honors)**

**Course Credit: 1 Unit                      Course Weight: 5.0**

*Prerequisite: Orchestra Proficient (Honors)*

Course Description: Advanced Orchestra is designed for students who have mastered all of the standards for Proficient Orchestra. Prerequisites for this course will include a portfolio of work including compositional mastery and mastery of advanced playing techniques including improvisation. Class will be a string orchestra setting, offering violin, viola, cello, and string bass and will include several performances for the school and community. This course will require students to be able to work independently on more in depth writing, theory and solo performance projects. Assessments for this course will be based upon the North Carolina Essential Standards for Advanced Music.

## **Band**

### **Band Beginning, Fall**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Students with no prior Band experience will need a recommendation from the high school director prior to registration*

Course Description: This course is designed for students who have had little to no prior band experience or middle school band. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Beginning Instrumental Music.

### **Band Intermediate, Fall**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: 6-8 Middle School Band and/or private lessons with recommendation of director or Beginning Band*

Course Description: This course is designed for students who have had previous training and have completed the beginning level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music.

### **Band Proficient (Honors), Fall**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Passing performance level on the Intermediate Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Intermediate Assessment. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

### **Band Advanced (Honors), Fall**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Passing performance level on the Proficient Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Proficient Assessment as well as completed the proficient level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to show advanced technique will be required.

### **Band Beginning, Spring**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Students with no prior Band experience will need a recommendation from the high school director prior to registration*

Course Description: This course is designed for students who have had little to no prior band experience or middle school band. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Beginning Instrumental Music.

## **Band Intermediate, Spring**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Middle School Band and/or private lessons with recommendation of director or Beginning Band*

Course Description: This course is designed for students who have had previous training and have completed the beginning level requirements. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music.

## **Band Proficient (Honors), Spring**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Passing performance level on the Intermediate Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Intermediate Assessment. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Band Advanced (Honors), Spring**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Passing performance level on the Proficient Assessment*

Course Description: This is an advanced level course designed for students who have had previous training and have passed the Proficient Assessment as well as completed the proficient level requirements. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to show advanced technique will be required.

## **Music Specialization: Percussion (Fall)**

### **Percussion Ensemble Beginning**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Middle School Band and/or private lessons with recommendation of director*

Course Description: This course is designed for students who have had previous training in percussion studies. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Beginning Instrumental Music. (Fall Only)

### **Percussion Ensemble Intermediate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Middle School Band and/or private lessons with recommendation of director*

Course Description: This course is designed for students who have had previous training in percussion studies and have completed the beginning level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music. (Fall Only)

### **Percussion Ensemble Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Passing performance level on the Intermediate Assessment*

Course Description: This course is designed for students who have had previous training in percussion studies and have passed the Intermediate Assessment. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential

Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required. (Fall Only)

### **Percussion Ensemble Advanced (Honors)**

**Course Credit: 1 Unit      Course Weight: 5.0**

*Prerequisite: Passing performance level on the Proficient Assessment*

Course Description: This is an advanced level course designed for students who have had previous training in percussion and have passed the Proficient Assessment as well as completed the proficient level requirements. Rehearsal and performances include afternoon/evening rehearsals during the week, participation and performances at football games, marching band festivals, parades, and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to show advanced technique will be required. (Fall Only)

## **Music Specialization: Wind Ensemble**

### **Wind Ensemble Intermediate**

**Course Credit: 1 Unit      Course Weight: 4.0**

*Prerequisite: Fall Band B, Fall Band I, Spring Band B, or Spring Band I*

Course Description: This course is open to all instrumental band students who have completed the prerequisite courses and wish to study advanced instrumental musical compositions and performances. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Intermediate Instrumental Music.

### **Wind Ensemble Proficient (Honors)**

**Course Credit: 1 Unit      Course Weight: 5.0**

*Prerequisites: Wind Ensemble I and a passing performance level on the Intermediate Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and assessment and wish to study advanced instrumental musical compositions and performances. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

### **Wind Ensemble Advanced (Honors)**

**Course Credit: 1 Unit      Course Weight: 5.0**

*Prerequisites: Wind Ensemble Proficient and a passing performance level on the Proficient Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and assessment and wish to study advanced instrumental musical compositions and performances. Rehearsal and performances include some afterschool rehearsals and participation in band festivals and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Music Specialization: Jazz**

### **Jazz Ensemble Intermediate**

**Course Credit: 1 Unit      Course Weight: 4.0**

*Prerequisite: Fall Band B, Fall Band I, Spring Band B, or Spring Band I*

Course Description: This course is open to all instrumental band students who have completed the prerequisite courses and wish to study and perform various jazz styles. Rehearsal and performances include some afterschool rehearsals and participation in performances and concerts.

## **Jazz Ensemble Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Jazz Ensemble Intermediate and a passing performance level on the Intermediate Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and wish to study and perform various jazz styles. Rehearsal and performances include some afterschool rehearsals and participation in performances and concerts. Assessments for this course will be based upon the NC Essential Standards for Proficient Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Jazz Ensemble Advanced (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Jazz Ensemble Proficient and a passing performance level on the Proficient Assessment*

Course Description: This course is open to all instrumental band students who have completed the prerequisite course and wish to study and perform various jazz styles. Rehearsal and performances include some afterschool rehearsals and participation in performances and concerts. Assessments for this course will be based upon the NC Essential Standards for Advanced Instrumental Music. Additional assessments to demonstrate advanced technique will be required.

## **Advanced Placement Music Theory (AP Music Theory)**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

*Prerequisites: Teacher recommendation and Honors/AP Criteria*

Course Description: Advanced Placement Music Theory is designed for those students who wish to undertake music studies on a college level. This course will emphasize tonal harmony and its structure. Rhythmic, melodic, and harmonic dictation, as well as composition and analysis will be stressed. The advanced placement program of Music Theory is designed to provide the same benefits to secondary school students as are provided by an introductory college course in Music Theory. College credit and/or advanced placement may be received depending upon the AP examination scores.

## **Dance**

### **Dance Beginning**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course provides a strong technique base to develop strength, flexibility and endurance, as well as an emphasis on dance as a creative art form. Students will learn technical skills from a variety of different dance forms. Students experience both the role of the choreographer and dancer with opportunities to present their work.

### **Dance Intermediate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Dance Beginning*

Course Description: This course offers intermediate students who have mastered the beginning dance standards the opportunity to continue to develop their technique, as well as express themselves through choreography. Students will also learn accurate terminology and apply it to both movement and written assignments.

### **Dance Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Dance Intermediate*

Course Description: This course offers proficient students who have mastered the intermediate standards the opportunity to continue to develop their technique, as well as express themselves through advanced choreography. Students will continue to learn accurate terminology and apply it to both movement and written assignments. Dance compositions will be studied in depth during this class.

## **Dance Advanced (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Dance Proficient (Honors)*

Course Description: This course is for students who have mastered the proficient standards and wish to continue working to reach a higher level of understanding. Students will critique, analyze and interrupt dance compositions. Students will use dynamic alignment, articulation of movement and aesthetic criteria to refine advanced dance movement.

## **Dance Specialization: Dance Company**

### **Dance Company Beginning**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is a performance based class with special emphasis on improving dance technique. Course Description: Students will also begin to use improvisation to strengthen choreographic skills. This course provides a strong technique base to develop strength, flexibility and endurance, as well as an emphasis on dance as a creative art form. Students will learn technical skills from a variety of different dance forms. Students experience both the role of the choreographer and dancer with opportunities to present their work.

### **Dance Company Intermediate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is a performance based class for students who have mastered the beginning standards. Course Description: There is special emphasis on improving dance technique in a variety of forms during this class. Students will explore improvisation and strengthen choreographic skills. This course offers intermediate students the opportunity to continue to develop their technique, as well as express themselves through choreography. Students will also learn accurate terminology and apply it to both movement and written assignments.

### **Dance Company Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is for dancers who have mastered the intermediate standards and is a performance based class with special emphasis on improving dance technique in a variety of forms. This course offers proficient students the opportunity to continue to develop their technique, as well as express themselves through advanced choreography and the use of improvisation. Students will continue to learn accurate terminology and apply it to both movement and written assignments. Dance compositions will be studied in depth during this class.

### **Dance Company Advanced (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Beginning level dance and audition*

Course Description: This course is for dancers who have mastered the proficient level standards. This is a performance based class with special emphasis on improving dance technique in a variety of forms. This course is a continuation of Proficient work reaching an advanced level of understanding. Students will critique, analyze and interpret dance compositions. Students will use dynamic alignment, articulation of movement and aesthetic criteria to refine advanced dance movement.

## **Dance Specialization: Choreography**

### **Choreography Beginning**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisites: Beginning level dance and audition*

Course Description: This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Beginning students will be expected to generate abstracted movement and create dance sequences that vary in the use of dance elements.

### **Choreography Intermediate**

**Course Credit: 1 Unit                      Course Weight: 4.0**

*Prerequisites: Beginning level dance and audition*

Course Description: Students who are in this class should have mastered the beginning standards. This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Intermediate students will be expected to create dances that vary the use of dance elements and use simple choreographic principles and structures in a variety of forms.

### **Choreography Proficient (Honors)**

**Course Credit: 1 Unit                      Course Weight: 5.0**

*Prerequisites: Intermediate level dance and audition*

Course Description: Students who are in this class should have mastered the intermediate standards. This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Proficient students will be expected to create dances using selected dance elements, choreographic principles, structures, processes, and production elements to fill choreographic intent and meet aesthetic criteria.

### **Choreography Advanced (Honors)**

**Course Credit: 1 Unit                      Course Weight: 5.0**

*Prerequisites: Proficient level dance and audition*

Course Description: Students who are in this class have mastered the proficient standards. This course focuses on multiple projects in history, choreography tools and methods, choreography challenges, critiques of various pieces, movement intention, and the exploration of communication through dance. Advanced students will be expected to generate innovative solutions to movement problems, personal choreography and the choreography of others. Students will create dance for performance based on ideas, experiences, feelings, concepts, images or narratives that have personal meaning or social significance.

## **Theatre Arts**

### **Theatre Arts Beginning**

**Course Credit: 1 Unit                      Course Weight: 4.0**

Course Description: Beginning Theatre Arts promotes learning the essential vocabulary and processes of theatre, as well as reading, writing, and researching theatre literature, acting and technical theatre. In addition, students learn and reflect on aspects of theater through history and in different cultures, as well as the various forms of theater and theater-related media. This course develops creativity and spontaneity in those students wanting to explore theatre, as well as those who wish to commit to a theatre program. Students have opportunities for practical application of knowledge in informal productions.

## **Theatre Arts Intermediate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: Students in the Intermediate Theatre Arts course are students who wish to continue their exploration of theatre arts. It is a more detailed study of theatre vocabulary, reading and writing of literature, acting, and technical theatre. In addition, students analyze and critique work developed by themselves or other students, as well as generated throughout history and in various cultures. This course develops students' knowledge base, expands their understanding of theatre, and begins the application of learning in forms of theatre and theatre-related media through formal and informal productions.

## **Theatre Arts Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Intermediate Theatre Arts or High School Theatre teacher recommendation*

Course Description: The Proficient Theatre Arts course is for students who wish to continue to study and develop their knowledge of theatre arts on a more challenging level. This course will be a continuation of theater study and will consist of advanced, individualized work in a seminar style with in-depth research, analysis, application, and production. Areas of study will include: script writing, acting, designing, directing, researching by evaluating and synthesizing cultural and historical information to support artistic choices, comparing and integrating art forms by analyzing traditional theatre, dance, music, visual arts, and new art forms, analyzing, critiquing, and constructing meanings from informal and formal theatre, film, television, and electronic media productions, understanding context by analyzing the role of theatre, film, television, and electronic media in the past and present. In addition, students begin to practice individual analysis and reviewing of student work to develop a personal understanding of theatre arts by utilizing the knowledge base gained in previous study. Theatre study at this level places a greater emphasis on the execution of skills, ensemble work, and collaboration with other student artists. Students use a wider variety of theatre literature and styles from theatre history and various cultures in forms of theatre and theatre related media through informal and formal productions.

## **Theatre Arts Advanced (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Proficient Theatre Arts or High School Theatre teacher recommendation*

Course Description: Advanced Theatre is for students who wish to complete the broad based study of theatre arts. Through more independent study and increased production responsibilities, the advanced Theatre course will be a continuation of all previously studied areas and consist of more advanced, individualized work in seminar style with in-depth research, analysis, application, and production. Analysis of theatre processes, self-motivation, personal discipline and more demanding projects in acting, directing, design, and writing are emphasized. Independent work in this course develops commitment helps students form aesthetic judgments and refines artistic choices.

## **Specialization in Theatre Arts**

### **Technical Theatre Beginning**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: Beginning Technical Theatre is a class devoted to the study of all non-performance areas of theatre including: stages and rigging, stage safety, production staff and crews, properties, sound, set design, set construction, set painting, and lighting. Students apply practical knowledge by participating as a production staff member for formal and informal productions.

## **Technical Theatre Intermediate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Technical Theatre or High School Theatre teacher recommendation*

Course Description: Intermediate Technical Theatre is an extension of the principles explored in Beginning Technical theatre. This class will explore a more in-depth focus in the principles of set design and construction, properties, lighting design, makeup and costume design (and construction), and also theatre management including the box office, business and publicity areas. An experience in this course will include technical directing and a student orientated structure as well as promote the essential vocabulary and process of design and production. Students will also have a more focused study of the production aspect of Technical Theatre by choosing two complimenting focuses for the course of the semester.

## **Technical Theatre Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Intermediate Technical Theatre or High School Theatre teacher recommendation*

Course Description: Proficient Technical Theatre explores the principles explored in the previous levels of Technical Theatre in a more comprehensive manner. Students will assume more design and production responsibilities for informal / formal productions as well as focus on the design and aesthetic aspects of technical theatre. Students will use the vocabulary and experience from the previous levels to create designs in the areas of scenery, lighting, costumes, properties, sound and publicity.

## **Technical Theatre Advanced (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Proficient Theatre Arts or High School Theatre teacher recommendation*

Course Description: Advanced Technical Theatre explores the principles explored in the previous levels of Technical Theatre in a more comprehensive manner. Students will assume more design and production responsibilities for department productions as well as focus on the design and aesthetic aspects of technical theatre. Students will use the vocabulary and experience from the previous levels to create designs in scenography and including sound, props and publicity/marketing. Students will have a more focused study of the design aspect of Technical Theatre by choosing two complimenting focuses for the course. This course can also include studied aspects of the following areas: play selection, auditions and casting, theatre management and stage management.

## **Theatre Arts Specialization: Acting**

### **Specialization in Acting Beginning**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: Beginning Specialization in Acting is a class devoted to the study of all performance areas of theatre including: voice and diction, movement and body, character development and audience. Students apply practical knowledge by participating as actors and directors for formal and informal productions.

### **Specialization in Acting Intermediate**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Specialization in Acting or High School Theatre teacher recommendation*

Course Description: Intermediate Specialization in Acting is an extension of the principles explored in Beginning Specialization in Acting. This class will explore a more in-depth focus in the principles of diction, rhythms, melody, dramatic action and play structure, emotion and character, blocking and stage business and performance practices. Students apply practical knowledge by participating as actors and directors for formal and informal productions.

## **Specialization in Acting Proficient (Honors)**

**Course Credit: 1 Unit      Course Weight: 5.0**

*Prerequisite: Intermediate Specialization in Acting or High School Theatre teacher recommendation*

Course Description: Proficient Specialization in Acting explores the principles explored in the previous levels of the Specialization in Acting in a more comprehensive manner. Students will use the vocabulary and experience from the previous levels to create characters and productions in the areas of voice, body and ensemble.

## **Specialization in Acting Advanced (Honors)**

**Course Credit: 1 Unit      Course Weight: 5.0**

*Prerequisite: Proficient Specialization in Acting or High School Theatre teacher recommendation*

Course Description: Advanced Specialization in Acting explores the principles explored in the previous levels of Advanced Acting in an exhaustive style. Analysis of theatre processes, self-motivation, personal discipline and more demanding projects in voice, directing, movement, beats, objectives, actions, blocking and dramatic action are emphasized. Independent work in this course develops commitment helps students form aesthetic judgments and refines artistic choices. Students will also study different acting approaches and styles such as Misner and Stanislavski.

## **Independent Study in Theatre**

**Course Credit: 1 Unit      Course Weight: 4.0**

*Prerequisite: Beginning Theatre Arts or High School Theatre teacher recommendation*

Course Description: An independent study or practicum in theatre arts is intended for students who wish to study a particular area of theatre that is either not offered in one of the current classes, or to get a more in depth study of an area that is covered in one of the other levels of theatre. While lower level theatre classes typically focuses on the vocabulary and technique of the desired areas, the focus /goal of this class is centered around the experience of the process as well as the theatrical product. The nature of this course is to study fewer areas of theatre, however, to cover each area in a more hands on manner. Much of the class will be centered around different theatrical labs that are set up to help students grasp the different areas of study. An experience in this course will find a much quicker pace and a more in depth study of the content areas. Students enrolled in this course will be placed in either: beginning, intermediate, proficient or an advanced level after completing an audition or interview. Possible topics for this course are Directing, Play Production, Theatre History and other specialized studies.

## **Visual Arts**

### **Visual Arts Beginning**

**Course Credit: 1 Unit      Course Weight: 4.0**

Course Description: This course is designed to explore fundamentals in media, styles and techniques, which lead to personal expression. This course provides the opportunity for students to work in areas such as drawing, painting, printmaking, and art history. Students will develop critical thinking skills in written and verbal art critiques.

### **Visual Arts Intermediate**

**Course Credit: 1 Unit      Course Weight: 4.0**

*Prerequisite: Beginning Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: This course provides for further development of the concepts and skills taught in Beginning Visual Arts with more intense study of composition and elements of design as applied in two and three dimensional forms.

## **Visual Arts Proficient (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Intermediate Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: This course is a concentrated study of selected media designed to give the serious art student a chance to pursue specific interests and skills in art. In addition to class work, students participating in the Proficient Visual Arts program will be required to do the following: keep a journal/diary each nine weeks, visit a museum/gallery/exhibit and turn in a one-page critique of the visit, and a one-page factual report on one artist or style of art included in the exhibit, complete an independent project rendered on the style/technique of an artist of the student's own choosing, along with answering research questions about the artist and his/her style, and finally, participate in two extra competition/exhibits outside of regular class assignments.

## **Visual Arts Advanced (Honors)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Proficient Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: This course aids the student in becoming more proficient in the use of media and materials, and in perfecting skills by allowing him/her to work independently in several specialized areas of art. The student will be given the chance to develop his/her portfolio and prepare for post-secondary opportunities in art. This course provides for further development of the concepts taught in Proficient Visual Arts. All projects in class are based on a contractual agreement between the student and teacher. In addition to class work, students participating in the Proficient Visual Arts program will be required to do the following: keep a journal/diary each nine weeks, visit a museum/gallery/exhibit and turn in a one-page critique of the visit, and a one-page factual report on one artist or style of art included in the exhibit, complete an independent project rendered on the style/technique of an artist of the student's own choosing, along with answering research questions about the artist and his/her style, and finally, participate in two extra competition/exhibits outside of regular class assignments.

## **Visual Art Advanced (Independent Study)**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisites: Advanced Visual Art and Visual Arts Teacher Recommendation or Portfolio/Interview*

Course Description: Students will be working more independently on projects that focus on specific periods and movements of art. They will also develop their portfolio while preparing for post-secondary opportunities in art.

## **Advanced Placement Studio Art (AP Studio)**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

*Prerequisites: Proficient and/or Advanced Art and Teacher Recommendation*

Course Description: The Advanced Placement Art program enables highly motivated students to do college-level work in studio while still in high school. AP Art is not based on written examinations: instead, candidates submit a portfolio of work for evaluation at the end of the school year. Advanced Placement work involves significantly more time and commitment than most high school courses. Therefore, the program is intended for students seriously committed to studying art. Students participating in the program should strive to produce high quality artwork, and their submitted portfolios should reflect this effort. College credit and/or advanced placement may be received depending on the AP examination scores. AP Art courses are available in 2-D Design, 3-D Design or Drawing Portfolios.

## **Advanced Placement Art History (AP Art History)**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

*Prerequisite: Proficient and/or Advanced Level Visual Art*

Course Description: The AP Art History course prepares students for the AP Art History Exam. The course covers art from the Paleolithic period through postmodernism and is designed to provide students with the same material covered in an introductory college course in art history. Students gain knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students engage in both visual and historical study about art and its contexts. Writing skills will be important in the description, analysis, and comparison of works of art from the art periods and styles.

## Visual Arts Specialization: Sculpture

### Sculpture Intermediate

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Level Visual Art*

Course Description: This course will combine the traditions of the past with the technology of today to create three-dimensional works of art, inspired from a wide range of sources. Students will learn additive and subtractive techniques as they work with a variety of tools and materials. From abstract to realistic, relief to free standing, projects will stir the imagination and present challenges.

### Sculpture Proficient (Honors)

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Intermediate Visual Art Specialization in Sculpture*

Course Description: This course is designed for students who have a desire to learn more in-depth techniques in sculpture. Projects will enhance students' knowledge and challenge them on a larger scale. Students will work with a variety of materials and discover concepts of well-known sculptors throughout time.

### Sculpture Advanced (Honors)

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Proficient Visual Art Specialization in Sculpture*

Course Description: This advanced level sculpture course is designed for students who wish to continue to experience three-dimensional forms on a higher level. They will work with more challenging concepts and transform a variety of materials.

## Visual Arts Specialization: Pottery

### Pottery Intermediate

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Beginning Visual Art*

Course Description: This course is designed for students who enjoy working with clay and want to learn a variety of hand-building techniques. Students will experience different styles and uses of pottery throughout history, decorative glazing methods, different types of clay, uses of pottery tools and firing processes. Projects will help them understand and appreciate how pottery has been an integral part of cultures around the world.

### Pottery Proficient (Honors)

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Intermediate Visual Art Specialization*

Course Description: Pottery Proficient continues skills learned in Intermediate with an introduction to wheel throwing, glazing, under-glazing and firing. A continuation of the historical and cultural perspective of the process and medium will be included with an emphasis on the work of individual ceramic artists.

### Pottery Advanced (Honors)

**Course Credit: 1 Unit**

**Course Weight: 5.0**

*Prerequisite: Proficient Visual Art Specialization*

Course Description: Advanced Pottery continues skills learned in Proficient with a concentration on wheel throwing and advanced hand building techniques. Research, the alternate glaze and firing techniques will be available to be used with kilns. A continuation of the historical and cultural perspective of the process and medium will be included with an emphasis on the work of local individual ceramic artists.

# CAREER AND TECHNICAL EDUCATION

<b>CAREER AND TECHNICAL EDUCATION</b>					
Sample Pathways: Need 4 credits in one CLUSTER (3 credits minimum from Foundation courses )					
Pathways	Cluster Enhancement Courses	Cluster Foundation Courses (3 minimum CREDITS from one CLUSTER must include capstone*)			
<b>Agriculture, Food &amp; Natural Resources Cluster</b>					
<b>Food Products &amp; Processing Systems Power, Structural &amp; Technical Systems</b>	Microsoft Word PPT & Pub	Personal Finance	Foods I	Foods II*	
		Agriscience Apps	Agricultural Mech I	Agricultural Mech II*	
<b>Architecture &amp; Construction Cluster</b>					
<b>Construction</b>	Multimedia & Webpage Design	Core & Sust Const	Carpentry I	Carpentry II*	
		Drafting I	Drafting II-Architectural*	Drafting III-Architectural	
<b>Arts, A/V Technology &amp; Communications Cluster</b>					
<b>Audio &amp; Video Technology &amp; Film</b>	Personal Finance	Multimedia & Webpage Design	Digital Media	Advanced Digital Media*	
<b>Business, Management &amp; Administration Cluster</b>					
<b>General Management</b>	Microsoft Excel & Access	Principles of Business & Finance	Accounting I	Business Law*	CTE Advanced Studies
		Microsoft Word PPT & Pub		Entrepreneurship I*	
<b>Finance Cluster</b>					
<b>Business Finance</b>		Principles of Business & Finance	Accounting I	Accounting II*	Entrepreneurship I
		Personal Finance			Business Law
		Microsoft Excel & Access			
<b>Marketing Cluster</b>					
<b>Marketing Management</b>		Principles of Business & Finance	Entrepreneurship I*	CTE Advanced Studies	
		Marketing			
<b>Health Sciences Cluster</b>					
<b>Diagnostic Services</b>		Biomedical Technology	Health Science I	Health Science II*	Nursing Fundamentals (2 cr)
<b>Hospitality &amp; Tourism Cluster</b>					
<b>Travel &amp; Tourism</b>	Personal Finance	Sports & Entertainment Marketing I	Sports & Ent Mkt II*	Entrepreneurship I	
<b>Information Technology Cluster</b>					
<b>Programming &amp; Software Development</b>		Principles of Business & Finance	Computer Programming I	Computer Programming II*	AP Computer Science
		Microsoft Excel & Acc			
<b>Science, Technology, Engineering &amp; Mathematics Cluster</b>					
<b>Engineering &amp; Technology</b>		Drafting I	Drafting II-Eng*	Drafting III-Engineering	
		PLTW Intro to Engineering Design	PLTW Principles of Engineering I	PLTW Digital Electronics* (future)	PLTW Engineering Design & Devel (future)
<b>Transportation, Distribution &amp; Logistics Cluster</b>					
<b>Facility &amp; Mobile Equip Maintenance</b>	Microsoft Word PPT & Pub	Automotive Service	Automotive Brakes	Automotive Computer System Diagnostics*	

## **Principles of Business and Finance**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This is an introductory course covering principles and concepts that will be the foundation for future study of business and management. Topics of study include basic business principles, personal finance concepts, management concepts, systems thinking, quality, management and the current environment for business in an international marketplace.

## **Personal Finance**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Personal Finance prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances.

## **Business Law**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Principles of Business and Finance*

Course Description: This course is designed to acquaint students with the basic legal principles common to business and personal activities. Topics include personal concepts to assist students when evaluating contracts, maximizing purchasing power through credit, purchasing appropriate insurance, and renting and owning real estate. Business concepts such as contracting, ethics, starting a business, hiring employees, managing employees, or representing other businesses as employee or contractor are included.

## **Accounting I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on analysis and the 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.

## **Accounting II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Accounting I*

Course Description: This course is designed to provide students with an opportunity to develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis includes departmental accounting; corporate accounting; cost accounting and inventory control systems; managerial accounting and budgeting; and further enhancement of accounting skills.

## **Multimedia and Webpage Design**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Designed to help students master advanced skills in the areas of integrating technology devices, internet research strategies and uses, complex desktop publishing, multimedia production and basic webpage design.

## **MSITA Word, PowerPoint and Publisher**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Students will learn to use the latest version of Microsoft Word, PowerPoint and Publisher to create, enhance, customize and share documents, presentations and publications. Students will have the opportunity to become certified as a Microsoft Office Specialist in Word and PowerPoint.

## **MSITA Excel and Access**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Students will learn to use the latest version of Microsoft Excel and Access to create, enhance, customize and share spreadsheets and databases. Students will have the opportunity to become certified as a Microsoft Office Specialist in Excel and Access.

## **Computer Programming I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed to introduce the concepts of programming, application development, and writing software solutions in the Visual Basic environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including event-driven input, logical decision making and processing, and useful output.

## **Computer Programming II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Computer Programming I*

Course Description: This project-based course is designed to teach students to access and manipulate data in a variety of data structures including Access, Structured Query Language (SQL), XML, and text files. Emphasis is placed on advanced functionality, packaging and deploying business solutions, and program life-cycle revision and maintenance.

## **Computer Science AP**

**Course Credit: 1 Unit**

**Course Weight: 6.0**

*Prerequisites: Algebra II CP and Honors/AP Criteria*

Course Description: Advanced Placement Computer Science is a course with emphasis on programming methodology, algorithms, and data structures. Programming assignments will stress the need for particular algorithms and data structures. JAVA will be the language used to develop the required skills. Students are expected to take the AP examination. The student may earn college credit for successful completion of the course and AP examination.

## **Finance Academy I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Acceptance into the Williams High School Finance Academy*

Course Description: The Finance Academy I course is a combination of the *Business Economics* and the *Entrepreneurship* courses designed by the National Academy Foundation. *Business Economics* introduces students to the key concepts of economics as they pertain to business. This course discusses the American economy and the factors that influence the success of businesses and products.

*Entrepreneurship* introduces students to the critical role entrepreneurs play in the national and global economy. Students learn the skills, attitudes, characteristics, and techniques necessary to become successful entrepreneurs. They explore starting a business and learn about the operational issues and financial risks that new businesses face.

## **Finance Academy II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Finance Academy I*

Course Description: The Finance Academy II course is a combination of the *Insurance* and the *Applied Finance* courses designed by the National Academy Foundation. The *Insurance* course introduces students to the insurance industry and to its critical role in the financial services sector and in society. It covers common types of insurance, including life, health and disability, property, liability, and forms of commercial insurance. *Applied Finance* delves into financial concepts important to business. Students learn to identify the legal forms of business organization and continue to develop an understanding of profit. They learn about various financial analysis strategies and the methods by which businesses raise capital.

## **Entrepreneurship I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Marketing, Personal Finance or Principles of Business and Finance*

Course Description: Students will evaluate the concepts of going into business for themselves and working for, or operating, a small business. Students will develop the components of a business plan and evaluate startup requirements.

## **Marketing**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Students will develop an understanding of the processes involved from the creation to consumption of products and services. They will develop an understanding of marketing functions, applications and impact on business operations by studying areas such as pricing, market planning, promotion and selling.

## **Sports & Entertainment Marketing I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course is designed for students interested in an introduction to sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; promotion; safety and security; and human relations.

## **Sports & Entertainment Marketing II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Sports & Entertainment Marketing I*

Course Description: This course is designed for students interested in an advanced study of sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: Business management, career development options, client relations, ethics, events management, facilities management, legal issues and contracts, promotion, and sponsorships.

## **Agriscience Applications**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Instruction integrates biological and physical sciences with technology as related to the environment, natural resources, food production, science and agribusiness.

## **Environmental & Natural Resources I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course provides an introduction to environmental studies, which includes topics of instruction in renewable and non-renewable natural resources, history of the environment, personal development, water and air quality, waste management, land use regulations, soils, meteorology, fisheries, forestry, and wildlife habitat.

## **Environmental & Natural Resources II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Environmental & Natural Resources I*

Course Description: This course covers instruction in best management practices in methods of environmental monitoring and conservation, air and water regulations, sampling methodologies, prescribing conservation techniques, and wildlife and forestry management skills.

## **Agricultural Mechanics I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. Topics include agricultural mechanics safety, hand/power tool use and selection, electrical wiring and metal working.

## **Agricultural Mechanics II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Agricultural Mechanics I*

Course Description: Expands upon the topics introduced in Agricultural Mechanics I. Topics include advanced welding and metal cutting skills, plastics, metal fabrication and hot/cold metal working skills.

## **Horticulture I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Introduces students to the broad field of horticulture, including fruits, vegetables, and ornamental plants. The classroom, greenhouse, and outdoor laboratory are used for instruction where emphasis is placed on "learning by doing."

## **Horticulture II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Horticulture I*

Course Description: Expands on the scientific and communication skills needed in the horticulture field. Practical application of concepts is an integral part of the course.

## **Horticulture II-Turf Grass**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Horticulture I*

Course Description: This course provides instruction in turf management and production as it relates to lawn care, golf course management and landscaping. Practical application of the concepts taught is an integral part of the course.

## **Biomedical Technology**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This is a survey course designed to investigate 21st century medical and health care practices using the internet, media, and visiting health team professionals. Potential health care workers study the language of medicine; explore various health careers, ethics and communication skills necessary for a health team member.

## **Health Science I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Information about health care careers is shared within the context of human body systems. Science and English language arts are reinforced in this class.

## **Health Science II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Allied Health I or Health Science I*

Course Description: This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Healthcare skills, language arts, mathematics, and communications are reinforced in this course. Students learn health care skills, including current CPR and first aid training. Language arts, mathematics, and communications are reinforced in this course.

## **Nursing Fundamentals**

**Course Credit: 2 Units**

**Course Weight: 4.0**

*Prerequisite: Health Science II*

Course Description: This course is designed for students who are interested in medical careers where personal care and basic nursing skills are used. It is an enhanced adaptation of the North Carolina Division of Health Science Regulation Nurse Aide I curriculum. Students may take the National Nurse Aide Assessment after completing this course and be listed in the North Carolina NA Registry.

## **Foods I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course examines the nutritional needs of the individual. Emphasis is placed on the relationship of diet to health, kitchen and meal management, and food preparation.

## **Foods II – Enterprise**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Foods I*

Course Description: This course focuses on advanced food preparation techniques while applying nutrition, food science and test kitchen concepts. Food safety and sanitation receive special emphasis, with students being prepared to take the exam for the ServSafe Credential from the National Restaurant Association.

## **Parenting and Child Development**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course introduces students to the basic applications of child development theory with children from infancy through age six. Emphasis is on the responsibilities of parents, readiness for parenting and the influence of parents on children while providing care and guidance.

## **Teen Living**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course examines life management skills in the areas of personal and family living, wellness, nutrition and foods, financial management, living environments, child development, and fashion and clothing. Emphasis is placed on applying these skills during the teen years.

## **Introduction to Culinary Arts and Hospitality**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Basic safety and sanitation practices leading to an industry-recognized food safety credential are introduced. Commercial equipment, smallwares, culinary math and basic knife skills are taught.

## **Culinary Arts and Hospitality I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Introduction to Culinary Arts and Hospitality*

Course Description: This course is designed for students who are considering a career in the culinary field. Students focus on learning basic skills in cold and hot food production, baking and pastry, and service skills.

## **Culinary Arts and Hospitality II**

**Course Credit: 2 Units**

**Course Weight: 4.0**

*Prerequisite: Culinary Arts and Hospitality I*

Course Description: This course provides advanced experiences in cold and hot food production, facility management and service skills. Topics covered include menu planning, business management and guest relations.

## **Interior Design I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course focuses on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design.

## **Interior Design II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Housing and Interiors I or Interior Design I*

Course Description: This course is designed for students wishing to pursue a career in interior design. Students will deepen their understanding of design fundamentals and theory by designing interior plans to meet the living space needs of individuals or families. Topics include application of design theory to interior plans and production, selection of materials and examination of business procedures.

## **Automotive Service**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course introduces basic automotive skills and job opportunities in the auto repair industry. Topics include engine theory, preventive maintenance, brake repair, electrical system troubleshooting, safety, test equipment and measuring.

## **Automotive Brakes**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course teaches the installation, inspection and troubleshooting of automotive brake systems. This program operates under the certification requirements of the National Automotive Technician Education Foundation (NATEF) and the instructors are ASE certified in brakes.

## **Automotive Computer System Diagnostics**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course focuses on the use of computer system diagnostic tools to read and diagnose computer codes in a variety of automotive types.

## **Automotive Electrical**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course focuses on the basics of automotive electrical/electronic systems. Basic inspection, troubleshooting, and repair of systems are included in the course. This program operates under the certification requirements of the National Automotive Technician Education Foundation (NATEF) and the instructors are ASE certified in electrical.

## **Automotive Electrical Advanced**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Automotive Electrical*

Course Description: This course emphasizes advanced training in automotive electrical/electronic systems. Advanced inspection, troubleshooting, and repair of systems are included in the course. This program operates under the certification requirements of the National Automotive Technician Education Foundation (NATEF) and the instructors are ASE certified in electrical.

## **Collision Repair Tech I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This is an introductory course on the fundamentals of automotive body repair, including the nature of, and job opportunities, in the industry.

## **Collision Repair Tech II**

**Course Credit: 2 Units**

**Course Weight: 4.0**

*Prerequisite: Collision Repair Tech I*

Course Description: This course includes instruction in technical information, and activities in metal bumping and finishing, body filling, priming, painting, and drying as each relates to auto body repair. Emphasis is placed on developing these skills in the auto body shop.

## **Core and Sustainable Construction**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course covers basic carpentry terminology and develops technical aspects of carpentry with an emphasis on the development of introductory skills. Students will also explore the emerging field of sustainable construction. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Carpentry I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Core and Sustainable Construction*

Course Description: This course builds on the previous course and allows for skill development in using hand and power tools, reading plans, and understanding various building materials. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Carpentry II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Carpentry I*

Course Description: This course continues to allow for the development of carpentry skills in the areas of roofing, dry wall installation, and exterior finishing. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Carpentry III**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Carpentry II*

Course Description: This is the final course in the carpentry sequence and introduces more advanced skills such as rigging and working with concrete. This course helps prepare students for the National Center for Construction Education and Research (NCCER) certification and is taught by an NCCER certified instructor.

## **Cabinetmaking I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course introduces career information, employment opportunities, and skills required for work in the furniture and cabinetmaking industry. Topics include tools and equipment, theory and practice, types of woods, finishes, styles, bonds and fasteners.

## **Cabinetmaking II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Cabinetmaking I*

Course Description: This course covers development of more advanced knowledge and skills in the furniture and cabinetmaking industry. Emphasis is placed on construction principles as applied to mass production, and the construction and installation of cabinet drawers and doors.

## **Drafting I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: Introduction to the nature of drafting and employment opportunities. This course includes basic familiarization with terms and tools of the drafting trade, practice in geometric construction, orthographic projections, and Computer Assisted Drafting (CAD).

## **Drafting-Architectural II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Drafting I*

Course Description: This course focuses on the principles, concepts, and use of complex drawing tools used in the field of architecture, structural systems and construction. Emphasis is placed on the use of CAD to create floor plans, wall sections, and elevation drawings. Mathematics, science, and visual design concepts are reinforced.

## **Drafting-Architectural III**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Drafting-Architectural II*

Course Description: This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of computer assisted design (CAD) tools in the design and execution of site and foundation plans as well as topographical information and detail drawings.

## **Drafting-Engineering II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Drafting I*

Course Description: This course focuses on engineering graphics by introducing the students to symbol libraries, industry standards and sectional techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3-D wireframe models using computer assisted design (CAD).

## **Drafting-Engineering III**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Drafting-Engineering II*

Course Description: This course introduces the student to advanced engineering concepts. Using CAD tools, topics studied include descriptive geometry, geometrical tolerancing, and advanced engineering design concepts such as surface and solid modeling.

## **Electrical Trades I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Core and Sustainable Construction*

Course Description: This course covers basic electrical trades terminology and develops technical aspects of the electrical trades. Topics included are basic electricity, electrical construction codes and practices, the use of test equipment, and electrical hand and power tools.

## **Electrical Trades II**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Electrical Trades I*

Course Description: This course builds on the skills mastered in Electrical Trades I. It provides an introduction to the National Electric Code, device boxes, hand bending, raceways and fittings, conductors and cables, construction drawings, residential services, test equipment, alternating circuits, grounding, and bonding.

## **Digital Media**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This course provides students with industry knowledge and skills in the digital media design field. Areas covered include graphics, animation, video, and web design.

## **Advanced Digital Media**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Digital Media*

Course Description: This course provides students with more advanced knowledge in the digital and interactive media industry. Emphasis is placed on the fundamental concepts of graphic design, a variety of digital media technologies, non-linear editing, and product development and design.

## **Scientific & Technical Visualization I**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: This state-of-the-art course introduces students to the use of complex graphic tools. Emphasis is placed on the principles, concepts, and use of complex graphic and visualization tools as applied to the study of science and technology. Students will use complex 2D graphics, animation, editing and image analysis tools to understand, illustrate, explain and present technical and scientific concepts and principles.

## **Game Art Design**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisite: Scientific & Technical Visualization I*

Course Description: This course will focus on the principles used in game design, including mathematical and virtual modeling. Students will develop physical and virtual games using a variety of software. Emphasis will be placed on the process of game development and ethics.

## **PLTW Introduction to Engineering Design**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: In this foundation Project Lead the Way (PLTW) Pathway to Engineering course, students are exposed to the design process, research and analysis, teamwork, communication methods, engineering standards and technical documentation. This course is designed for students who plan to pursue a career in engineering.

## **PLTW Principles of Engineering**

**Course Credit: 1 Unit**

**Course Weight: 5.0**

Course Description: In this course, students are exposed to major concepts they will encounter in a postsecondary engineering course of study. Students will employ engineering and scientific concepts to solve engineering design problems.

## **CTE Advanced Studies**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Two (2) technical credits in one Career Cluster*

Course Description: This culminating course for juniors and seniors must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Requirements of the course are writing a research paper, producing a product, developing a portfolio and delivering a presentation.

## **CTE Apprenticeship**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

*Prerequisites: Two (2) technical credits in a Career Cluster*

Course Description: An apprenticeship, or pre-apprenticeship, through the North Carolina Department of Labor allows students to earn hours and credit toward an adult apprenticeship. This course is appropriate for occupations that do not require a college degree but require a high level of skill and knowledge.

## **CTE Internship**

**Course Credit: 1 Unit**

**Course Weight: 4.0**

Course Description: The CTE internship allows for additional development of career and technical competencies beyond the classroom. Internships are exploratory in nature and allow the student to participate in daily operations, perform certain job tasks and develop direct contact with job personnel.

**Alamance-Burlington School System  
Administrative Offices**

1712 Vaughn Road  
Burlington, NC 27217

Phone: 336-570-6060

Webpage: <http://abss.k12.nc.us>

**Hugh M. Cummings High School**

2200 North Mebane Street  
Burlington, NC 27215

Office: 336-570-6100

Guidance: 336-570-6104

Fax: 336-570-6107

Webpage: <http://hch.abss.k12.nc.us>

**Eastern Alamance High School**

4040 Mebane Rogers Road  
Mebane, NC 27302

Office: 919-563-5991

Guidance: 919-563-1175

Fax: 919-563-6114

Webpage: <http://eah.abss.k12.nc.us>

**Graham High School**

903 Trollinger Road  
Graham, NC 27253

Office: 336-570-6440

Guidance: 336-570-6445

Fax: 336-336-6446

Webpage: <http://grh.abss.k12.nc.us>

**Southern Alamance High School**

631 Southern High School Road  
Graham, NC 27253

Office: 336-570-6400

Fax: 336-570-6404

Webpage: <http://sah.abss.k12.nc.us>

**Western Alamance High School**

1731 North NC 87  
Elon College, NC 27244

Office: 336-538-6020

Fax: 336-538-6014

Webpage: <http://wah.abss.k12.nc.us>

**Walter M. Williams High School**

1307 South Church Street  
Burlington, NC 27215

Office: 336-570-6161

Guidance: 336-570-6164

Fax: 336-570-6214

Webpage: <http://wwh.abss.k12.nc.us>

**Alamance-Burlington Middle College  
(Alamance Community College Campus)**

1247 Jimmie Kerr Road  
Graham, NC 27253

Office: 336-506-4001

Fax: 336-506-4004

Webpage: <http://amc.abss.k12.nc.us>

**Career and Technical Education Center**

2550 Buckingham Road  
Burlington, NC 27217

Office: 336-570-6092

Fax: 336-570-6093

Webpage: <http://ctc.abss.k12.nc.us>

**Ray Street Academy**

609 Ray Street  
Graham, NC 27253

Office: 336-570-6644

Fax: 336-570-6353

Webpage: <http://rsa.abss.k12.nc.us>



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