

High School Course Listings for Carteret County Public Schools

****Course offerings vary from year to year based on student demand. Please refer to your school's registration sheet to determine if courses will be offered at your school for the coming year. Please note – not all courses are offered at all high schools. See your Counselor for additional information.**

English

English I **Course:** 102120 **Grades:** 9
 Freshman English focuses on reading comprehension, basic composition, and editing skills. The short story, poetry, the epic, the novel, drama, and composition are concentrated areas of study
Prerequisite: none **Level:** Standard **Units:** 1

Honors English I **Course:** 102150 **Grade:** 9
 Students in English I explore the 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. In English I, students will: 1) express reflections and reactions to literature and to personal experience, 2) explain meaning, describe processes, and answer research questions, 3) evaluate communication and critique tests, 4) make and support an informed opinion, 5) participate in conversations about and written analysis of literary genres, elements, and traditions, and 6) use knowledge of language and standard grammatical conventions. Strands: Oral Language, Written Language, and Other Media/Technology.
Prerequisite: Level IV or High Level III on 8th grade EOG **Level:** Honors **Units:** 1

English II **Course:** 102220 **Grade:** 10
 This course emphasizes world, young adult, Biblical, and Shakespearean literature. Vocabulary, comprehension, study skills, and writing are concepts of major emphasis.
Prerequisite: English I **Level:** Standard **Units:** 1

Honors English II **Course:** 102250 **Grade:** 10
 Students in the honors course will explore world literature more widely and deeply, including more challenging and/or complete print and non-print texts. The honors English course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Honors courses will require students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators. Higher level thinking skills will be emphasized through interdisciplinary and critical perspectives as reflected in the quality of student performance in oral language, written language, and other media/technology. All courses should challenge students and incorporate opportunities for independent critical thinking; an honors English course can be distinguished from a standard English course by the consistency with which the characteristics described above are evident.
Prerequisite: English I **Level:** Honors **Units:** 1

English III **Course:** 102320 **Grade:** 11
 This course focuses on American Literature with emphasis on analysis of historical literature and young adult literature
Prerequisite: English II **Level:** Standard **Units:** 1

Honors English III **Course:** 102350 **Grade:** 11
 Students in English III analyze American literature as it reflects social perspective and historical significance by continuing to use language for expressive, expository, argumentative, and literary purposes. The emphasis in English III is on critical analysis of texts through reading, writing, speaking, listening, and using media. In addition, the student will: 1) relate the experiences of others to their own, 2) research the diversity of American experience, 3) examine relationships between past and present, 4) build increasing sophistication in defining issues and using argument effectively, and 5) create products and presentations which maintain standard conventions of written and oral language. Strands: Oral Language, Written Language, and Other Media/Technology.
Prerequisite: English II **Level:** Honors **Units:** 1

English IV **Course:** 102420 **Grade:** 12
 This course focuses on reading, writing, listening, and speaking with an emphasis on British literature.
Prerequisite: English III **Level:** Standard **Units:** 1

AP English Language & Composition**Course:** 103570**Grade:** 11-12

The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. The AP English Language and Composition course is intended to provide high school students who are interested in studying and writing various kinds of analytic and persuasive essays on nonliterary topics with a college-level English option in language, rhetoric, and expository writing. The course emphasizes study and practice in expository, analytical, and argumentative writing. The writing process should be emphasized with students writing essays that proceed through several stages of drafts, with revision aided by teacher and peers. Since the focus of this course is on rhetoric, students analyze how language can be used as persuasive tool. The analysis centers on the dynamic relationship of writer, context, audience and argument. Thus, the bulk of the literature studied will be nonfiction.

Prerequisite: Honors English III**Level:** AP**Units:** 1**Honors English IV****Course:** 102450**Grade:** 12

Students in English IV will integrate all the language arts skills gained throughout their education. The curriculum both affirms these skills and equips the students to be life-long learners. Students continue to explore expressive, expository, argumentative, and literary contexts with a focus on British Literature. The emphasis in English IV is on argumentation by developing a position of advocacy through reading, writing, speaking, listening, and using media. Students in the honors course will explore British literature more widely and deeply, including more challenging and/or complete print and non-print texts. The honors English course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Honors courses will require students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators. Higher level thinking skills will be emphasized through interdisciplinary and critical perspectives as reflected in the quality of student performance in oral language, written language, and other media/technology. All courses should challenge students and incorporate opportunities for independent critical thinking; an honors English course can be distinguished from a standard English course by the consistency with which the characteristics described above are evident.

Prerequisite: English III**Level:** Honors**Units:** 1**AP English Literature & Composition****Course:** 103670**Grade:** 11-12

This course is designed for students who want to do college level work in high school. Energy, time and willingness to accept challenge are required. This course requires critical analysis of American and British literature, plus extensive writing and reading assignments. In order to receive extra quality points, the AP examination must be taken.

Prerequisite: Honors English IV**Level:** AP**Units:** 1**Creative Writing****Course:** 102520**Grade:** 10-12

This course provides an opportunity to explore the word choices and writing styles of professional writers and express one's own creativity through poetry, fiction, non-fiction, and drama. Students are responsible for producing the school's literary magazine.

Prerequisite: None**Level:** Standard**Units:** 1**Reading Competency****Course:** 100610**Grade:** 9-12

This course offers instruction in fundamental reading and writing skills.

Prerequisite: Below grade level in reading.**Level:** Remedial**Units:** 1**ESL****Course:** 103820**Grade:** 9-12

This course emphasizes communicative language development for Limited English Proficient (LEP) students. In the course, students will develop their ability in listening, speaking and pronunciation, reading, writing, and vocabulary. Because LEP students have a variety of first-language backgrounds and proficiency levels, cooperative learning and group work are an important aspect of this course.

Prerequisite: Limited English proficiency**Level:** Standard**Units:** 1**ESL II****Course:** 103821**Grade:** 9-12

Unlike the English as a Second Language course, ESL II provides time and support for Limited English Proficient (LEP) students in their content area courses, with an emphasis on decoding academic vocabulary and understanding concepts.

Prerequisite: Limited English proficiency**Level:** Standard**Units:** 1**Film Literature (Special Interest Literature)****Course:** 102720**Grade:** 10-12

This elective course is designed for students to recognize film not only as entertainment, but also as a serious artistic form that taps mental and creative skills. Students view and analyze various film genres such as detective, gangster, comedy, western, war, and psychological films. They analyze the roles of cameras, editing, actors, and lighting as well as the variety of jobs and responsibilities in today's film industry.

Prerequisite: None**Level:** Standard**Units:** 1**Grammar & Composition****Course:** 102521**Grade:** 9-12

This course provides instruction in sentence fluency, mechanics, transition, syntax, and word usage. Various modes and models of writing are taught as students progress from paragraph writing to the four major types of discourse: exposition, narration, description, and argumentation.

Prerequisite: None**Level:** Standard**Units:** 1

Journalism**Course:** 103120**Grade:** 11-12

This is a course centered around journalistic writing. Students learn skills such as writing leads, news stories, features, sports copy, editorials, and analysis. Students experience computer use, especially word processing. This class is responsible for production of the school newspaper.

Prerequisite: English II**Level:** Standard**Units:** 1**Speech and Debate I****Course:** 102921**Grade:** 9-12

This course provides the opportunity for students to acquire, practice, and strengthen public speaking skills with a focus on listening and speaking strands. Oral language skills are the foundation for reading and writing development in this course.

Prerequisite: English I**Level:** Standard**Units:** 1**Speech and Debate II****Course:** 102922**Grade:** 11-12

This course provides additional opportunities for students to acquire, practice, and strengthen public speaking skills with a focus on listening and speaking strands beyond Speech and Debate I. Oral language skills are the foundation for reading and writing development in this course.

Prerequisite: Speech and Debate I**Level:** Standard**Units:** 1**Speech and Debate II Honors****Course:** 102952**Grade:** 9-12

Honors Speech and Debate elevates the challenges for the student in forensics: Honors Speech and Debate focuses on advancing students from basic debate concepts learned Speech and Debate I and II. The class teaches analysis and execution of national speech practices and standards, development of leadership skills in team building, networking with community for logistical needs for adult speaker models and resources, organization and prioritization to host a tournament or contest, proficiency in a minimum of two events, and operations management for a student-driven forensics program. Forensics activities challenge students and present opportunities for higher order critical thinking and articulation. Honors Speech and Debate can be distinguished from standard Speech and Debate by the rigor of researching and application of contentions in world economy, political systems, and the balance-exchange-and-maintenance of power. Honors students work independently at a challenging, rigorous level in order to fulfill the Honors Contract requirements with a focus on 21st century issues of global competition. The course follows the state and national calendar of debate topics and contest. Students develop a culture of research, ethical and critical use of sources, and versatility of topics they debate in competition using the techniques and methods taught in each of the nine weeks. Weekly performances in extemporaneous or one of the debate events and daily impromptu are foundational activities for honors.

Prerequisite: English I; Speech and Debate I**Level:** Honors**Units:** 1**Yearbook****Course:** 102920**Grade:** 11-12

Students learn layout, photography, ad sales, and copywriting in this course. The major project of this course is to publish the school yearbook. Students work with desktop publishing programs to produce their final pages.

Prerequisite: Application**Level:** Standard**Units:** 1

Foreign Language

French I**Course:** 104120**Grade:** 9-12

The purpose of this course is to introduce the student to the basic concepts of the language.

Prerequisite: None**Level:** Standard**Units:** 1**French II****Course:** 104220**Grade:** 9-12

The purpose of this course is to help students maintain and develop oral competence, develop reading skills, continue the formal study of grammar, develop writing skills, and develop cultural awareness of France and its people. This course is a continuation of French I. It should be taken during the same academic school year to achieve a basic level of language proficiency.

Prerequisite: French I**Level:** Standard**Units:** 1**Honors French III****Course:** 104350**Grade:** 9-12

Students participate in planned and spontaneous conversations, guided discussions, class readings, and literary studies. Oral skills and writing expertise are developed. Students become more aware of the cultural aspects of the countries being studied through music and reading.

Prerequisite: French II**Level:** Honors**Units:** 1**Honors French IV****Course:** 104450**Grade:** 10-12

This course concentrates on preparation for college placement tests and college French classes. Highlights of French history and literature as well as current events and culture are included.

Prerequisite: French III**Level:** Honors**Units:** 1**Spanish I****Course:** 105120**Grade:** 9-12

This course concentrates on the basic skills of listening, speaking, reading, and writing. Aspects of cultural background, daily life, customs, and traditions of Spanish speaking people are introduced.

Prerequisite: None**Level:** Standard**Units:** 1

Spanish II	Course: 105220	Grade: 9-12
The purpose of this course is to help students maintain and develop oral competence, to develop reading skills, to continue the formal study of grammar, to develop writing skills, and to develop cultural awareness of Hispanic countries. This course is a continuation of Spanish I. It should be taken during the same academic school year to achieve a basic level of language proficiency.		
Prerequisite: Spanish I	Level: Standard	Units: 1
Honors Spanish III	Course: 105350	Grade: 10-12
Spanish III presents useful survival vocabulary that encourages students to express their own ideas. Grammatical concepts that were taught in Spanish I and II are reviewed, and advanced grammar is introduced. Reading selections give students greater cultural insights.		
Prerequisite: Spanish II	Level: Honors	Units: 1
Honors Spanish IV	Course: 105450	Grade: 10-12
This course carries students further in their development of the four language skills: listening, speaking, reading and writing, while deepening their insight into Hispanic culture through exposure to works of modern writers of the Spanish-speaking world and the development of oral proficiency.		
Prerequisite: Spanish III	Level: Honors	Units: 1
Latin I	Course: 108020	Grade: 9-12
This course introduces students to the culture and language of Ancient Rome and its influence on western society. Students study the basic structure, syntax and vocabulary of the language with an emphasis on the relationship between Latin and other languages.		
Prerequisite: None	Level: Standard	Units: 1
Latin II	Course: 108120	Grade: 9-12
Latin II reviews and builds upon the skills and knowledge gained in Latin I. Students study complex grammar and syntax structures that enable them to read classical Roman authors with some guidance.		
Prerequisite: Latin I	Level: Standard	Units: 1
Honors Latin III	Course: 108250	Grade: 10-12
Latin III continues the work with Roman literature that students began at the end of Latin II. A variety of styles of literature are read (history, poetry and prose). Students increase their knowledge of the more complex syntax structures of the Latin language,		
Prerequisite: Latin II	Level: Honors	Units: 1
Honors Latin IV	Course: 108350	Grade: 10-12
Latin IV is a continuation of Latin III with an emphasis on selected readings from different Latin authors. Students apply their knowledge of the Latin syntax and grammar to read a variety of works of literature including poetry, prose and comedy		
Prerequisite: Latin III	Level: Honors	Units: 1

Mathematics

Introduction to Mathematics	Course: 202020	Grade: 9-12
This course provides students a survey of preparatory topics for high school mathematics, including the foundations for high school Algebra and Geometry. Appropriate technology, from manipulatives to calculators, will be used regularly for instruction and assessment. This course counts as an elective and does not satisfy high school graduation requirements.		
Prerequisite: None Incoming 9th graders are placed in a Math course based upon their 8th grade placement/EOG test score.	Level: Standard	Units: 1
Algebra Concepts	Course: 201820	Grade: 9-12
This course presents a variety of topics including the language of Algebra, adding and subtracting rational numbers, multiplying and dividing rational numbers, proportions and percent, inequalities, polynomials, and factoring. This course must be followed by Algebra I in order to meet the Algebra requirement for graduation. Appropriate technology from manipulatives to calculators and application software is used regularly for instruction and assessment.		
Prerequisite: Teacher recommendation and 8 th grade math EOG scores	Level: Standard	Units: 1
Algebra I	Course: 202320	Grade: 9-12
This course continues the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation and application of linear functions and relations, and presents an introduction to nonlinear functions. Appropriate technology from manipulatives to calculators and application software is used regularly for instruction and assessment. This is a one-semester course. This course follows Algebra Concepts. This course fulfills the high school Algebra requirement.		
Prerequisite: Algebra Concepts	Level: Standard	Units: 1
Algebra I	Course: 202321	Grade: 9-12
This course continues the study of algebraic concepts including operations with real numbers and polynomials, relations and functions, creation and application of linear functions and relations, and presents an introduction to nonlinear functions. Appropriate technology from manipulatives to calculators and application software is used regularly for instruction and assessment. This is a one-semester course.		
Prerequisite: none	Level: Standard	Units: 1

Geometry	Course: 203020	Grade: 9-12
This course continues students' study of geometric concepts building upon middle school topics. Students will move from an inductive approach to deductive methods of proof in their study of geometric figures. Two- and three-dimensional reasoning skills will be emphasized and students will broaden their use of the coordinate plane to include transformations of geometric figures. Appropriate technology from manipulatives to calculators and application software is used regularly for instruction and assessment.		
Prerequisite: Algebra I	Level: Standard	Units: 1
Honors Geometry	Course: 203050	Grade: 9-12
Honors Geometry demands a more challenging approach to the student's study of geometric concepts. Students will rely primarily on deductive methods of proof in their study of two-and three-dimensional geometric figures. Students will have opportunities to take greater responsibility for their learning. Reasoning skills will be emphasized and students will broaden their use of the coordinate plane. Appropriate technology should be used regularly for instructional and assessment.		
Prerequisite: Algebra I	Level: Honors	Units: 1
Algebra II	Course: 202420	Grade: 10-12
This course continues students' study of advanced algebraic concepts including functions, polynomials, rational expressions, complex numbers, systems of equations and inequalities, and matrices. Emphasis should be placed on practical applications and modeling. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.		
Prerequisite: Algebra I	Level: Standard	Units: 1
Honors Algebra II	Course: 202450	Grade: 10-12
Honors Algebra II continues students' study of advanced algebraic concepts including functions, polynomials, rational expressions, systems of functions and inequalities, and matrices. 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. Emphasis will be placed on higher order thinking skills that impact practical and increasingly complex applications, modeling, and algebraic proof. Appropriate technology should be used regularly for instruction and assessment.		
Prerequisite: Algebra I	Level: Honors	Units: 1
Advanced Functions and Modeling	Course: 202520	Grade: 11-12
This course provides students an in-depth study of modeling and applying functions. Homework, recreation, consumer issues, public policy, and scientific investigations are just a few of the areas from which applications should originate. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.		
Prerequisite: Algebra II	Level: Standard	Units: 1
Discrete Math	Course: 205020	Grade: 10-12
Discrete Mathematics introduces students to the mathematics of networks, social choice, and decision making. The course extends students' application of matrix arithmetic and probability. 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.		
Prerequisite: Algebra II	Level: Standard	Units: 1
Honors Pre-Calculus	Course: 207050	Grade: 11-12
This course provides students a complete study of Trigonometry, as well as advanced algebra topics, analytic geometry, sequences and series, and data analysis. Applications and modeling are included throughout the course of study. Appropriate technology, from manipulatives to calculators and application software, is used regularly for instruction and assessment. This course is equivalent to state course #2070.		
Prerequisite: Algebra II	Level: Honors	Units: 1
AP Calculus BC	Course: 207771	Grade: 12
Advanced Placement Calculus develops the student's understanding of concepts of calculus (functions, graphs, limits, derivatives, and integrals) and provides experience with its methods and applications. The course encourages the geometric, numerical, analytical, and verbal expression of concepts, results, and problems. Appropriate technology, from manipulatives to calculators and application software, is used regularly for instruction and assessment. In order to receive extra quality points for AP, the AP examination must be taken.		
Prerequisite: Honors Pre-Calculus	Level: AP	Units: 2
Technical Math II (Srs. Only)	Course: 201720	Grade: 9-12
This course continues students' study of advanced algebraic concepts including linear, quadratic, and exponential functions and matrices. Students will move from an inductive approach to deductive methods of proof in their study of geometric figures. Two- and three-dimensional reasoning skills will be emphasized and students will broaden their use of the coordinate plane to include transformations of geometric figures. Emphasis should be placed on practical applications and modeling. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment. This course is appropriate for the tech-prep course of study.		
Prerequisite: Technical Math I	Level: Standard	Units: 1

Statistics**Course:** 206520**Grade:** 11-12

This course focuses on real-world problems in data analysis. Nonlinear data and discrete mathematics are studied. Extensive use of the graphic calculator to display and interpret data provides hands-on experience for the student. This course is designed for the college prep alternative to the study of calculus

Prerequisite: Advanced Functions & Modeling, Honors Pre-Calculus, or Discrete Math

Level: Standard**Units:** 1**AP Statistics****Course:** 206670**Grade:** 11-12

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns and departure from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Appropriate technology, from manipulatives to calculators and application software, should be used regularly for instruction and assessment.

Prerequisite: Honors Alg. II, Advanced Functions & Modeling, or Pre-Calculus

Level: AP**Units:** 1

Science

Physical Science**Course:** 301020**Grade:** 9-12

This course continues the study of concepts that guide inquiry in the practice of science. It provides a rich knowledge base for the continuous study of science in high school. The curriculum integrates the following topics from both chemistry and physics: structure of atoms, structure and properties of matter, motion and forces, conservation of energy and matter, and change.

Prerequisite: Algebra I or Integrated Math I (enrolled in or completed)

Level: Standard**Units:** 1**Biology****Course:** 302020**Grade:** 9-12

This course continues student investigations of the biological sciences. It includes abstract concepts such as the function of DNA, and comprehensive ideas of biological evolution and the interdependence of organisms. The curriculum includes inquiry into the following content areas: the cell, molecular basis of heredity, biological evolution, interdependence of organisms, matter, energy, organization in living systems, ecology, and the behavior of organisms.

Prerequisite: none

Level: Standard**Units:** 1**Honors Biology****Course:** 302050**Grade:** 9-12

Honors Biology is designed to give the student a more challenging and in-depth experience of the North Carolina Standard Course of Study in Biology. In Honors Biology, students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In addition to the SCOS goals and objectives, students are expected to: design and carry out several independent investigations of biological questions, read and report on recent research in biology, and demonstrate a more in-depth conceptual understanding of all biology objectives. Honors Biology is intended as a ninth grade course for highly motivated students who have demonstrated an interest in science. The Biology End-of-Course exam is required to receive credit for this class. Students may not take Honors Biology in addition to standard level (Standard Course of Study) Biology.

Prerequisite: none

Level: Honors**Units:** 1**Honors Biology II****Course:** 302150**Grade:** 10-12

This course includes an extensive study of biological topics including, but not limited to, biochemistry, virology, genetics, biotechnology, botany, and cellular biology. This course is paired with the AP Biology course. Both courses must be taken.

Prerequisite: none

Level: Honors**Units:** 1**AP Biology****Course:** 302170**Grade:** 10-12

This course includes the topics regularly covered in many college biology courses and follows the course outline recommended by the College Entrance Examination Board. Emphasis is placed on biological concepts and lab techniques. This course is paired with the Honors Biology II course, and both courses must be taken. The AP Exam must be taken in order for students to earn extra quality points

Prerequisite: Honors Biology II

Level: AP**Units:** 1**Earth & Environmental Science****Course:** 303820**Grade:** 9

This course focuses on inquiry into the functions of the earth's systems. Emphasis is directed toward matter, energy, coastal dynamics, environmental awareness, and the cycles that circulate energy and material through the earth system. Areas of inquiry include energy in the earth system, geochemical cycles, and theories related to the origin and evolution of the earth/universe.

Prerequisite: None

Level: Standard**Units:** 1**Honors Earth & Environmental Science****Course:** 303850**Grade:** 9-10

Honors Earth/Environmental Science is a rigorous curriculum designed to allow highly motivated students to conduct an in-depth study of the Earth and Environmental Sciences. In Honors Earth/Environmental Science students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In order to develop a greater understanding of the processes that shape our everyday lives, the curriculum will integrate inquiry investigations and a variety of technologies with the study of earth as a system. The impacts of human activities on earth systems will also be a focus. The results of student investigations should be communicated through presentations and formal laboratory reports. Enrichment and integration with other disciplines is encouraged

Prerequisite: none

Level: Honors**Units:** 1

AP Environmental Science**Course:** 304270**Grade:** 9-12

AP Environmental Science is intended to provide a rigorous introductory college level course with laboratory experiments for high school students. In it, we will discuss the movement of energy and matter through the world, the order and organization of the world's systems, theories of evolution and equilibrium, and the current issues and problems facing the world's ecosystems. The class will involve guest lecturers, independent research and student directed and executed original field studies. Students must be prepared to work outdoors for many of the labs. While the class is taught in the fall semester, there will be mandatory study sessions spring semester in preparation for the AP exam in May. All students are required to take the AP exam to receive AP credit for the course.

Prerequisite: none**Level:** AP**Units:** 1**Chemistry****Course:** 305020**Grade:** 10-12

This course is designed to encourage students to continue their investigation of the structure of matter, chemical reactions and the conservation of energy in these reactions. Although the course emphasizes an inquiry approach, some of the experiments are difficult to duplicate in the high school laboratory. In the case of these experiments, students examine the actual reports and the reasoning that led to many important discoveries. The curriculum explores the following: structure of atoms, properties of matter, chemical reactions, conservation of energy and matter, and interactions of energy and matter.

Prerequisite: Algebra I or Integrated Math I**Level:** Standard**Units:** 1**Honors Chemistry****Course:** 305050**Grade:** 10-12

The chemistry course encourages students to continue their investigation of the structure of matter along with chemical reactions and the conservation of energy in these reactions. Inquiry is applied to the study of the transformation, composition, structure, and properties of substances. The course focuses on basic chemical concepts and incorporates activities that promote investigations to reinforce the concepts. The curriculum includes inquiry into the following content areas: 1) structure of atoms, 2) structure and properties of matter, 3) chemical reactions, 4) conservation of energy and matter, and 5) interaction of energy and matter, Honors Chemistry is an accelerated comprehensive laboratory course designed to give the students a more conceptual and in-depth understanding of the concepts in the North Carolina Standard Course of Study in Chemistry. In Honors Chemistry students are expected to work independently on a variety of assignments and accept greater responsibility for their learning.

Prerequisite: Algebra I or Integrated Math I**Level:** Honors**Units:** 1**Honors Chemistry II****Course:** 305150**Grade:** 10-12

This is an advanced course for the college-bound student who intends to enroll in a college that requires introductory Chemistry. The topics are the same as those taught in the standard level Chemistry

Prerequisite: Chemistry**Level:** Honors**Units:** 1**AP Chemistry****Course:** 305170**Grade:** 12

This course emphasizes academic and intellectual challenges, while providing opportunity for students to earn college credit in high school. It is taught using lecture, laboratory and problem solving sessions. Topics include those covered in two semesters of introductory Chemistry at the college freshman level. In order to earn extra quality points, the AP examination must be taken

Prerequisite: Honors Chemistry II**Level:** AP**Units:** 1**Honors Physics****Course:** 306050**Grade:** 10-12

Physics is quantitative in nature and uses the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction. The following topics are "uncovered" in this curriculum: conservation of mass and energy, conservation of momentum, waves, and interactions of matter and energy. Honors Physics uses the North Carolina Standard Course of Study (SCOS) for Physics as a foundation for more challenging and advanced study that enriches key topics and broadens the student's view of the larger physics community including current research. Teachers will increase the depth of study of each topic specified in the SCOS for Physics for honors students. Substantial class time will be devoted to student-directed exploration and experimentation. In addition to the goals and objectives specified in the SCOS, teachers should include an in-depth study of at least two of the following enrichment topics: optics, nuclear, modern physics, electromagnetism, thermodynamics, or engineering. Honors Physics is an appropriate course for students with a strong mathematics and science background. Success in Honors Physics will require the student to: 1) operate with algebraic expressions to solve complex equations which include trigonometric functions, 2) use exponents to solve problems, and 3) describe graphically, algebraically and verbally, real-world phenomena as functions, and identify independent and dependent variables

Prerequisite: Algebra II**Level:** Honors**Units:** 1**AP Physics C (Mechanics)****Course:** 306470**Grade:** 12

AP Physics Mechanics is equivalent to a first semester college physics course. The course content includes the mechanics topics from Honors Physics, but employs extensive problem-solving techniques utilizing higher level mathematics skills. Students are required to take the AP Exam to received AP credit.

Prerequisite: Physics – Recommended : math course beyond Alg. II**Level:** AP**Units:** 1**Honors Forensic Science****Course:** 308050**Grade:** 11-12

Forensics is a 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 and evidence collection methods behind solving crimes and other aspects of detective work, such as criminal psychology, fingerprinting, handwriting analysis, and odontology.

Prerequisite: Biology and Chemistry**Level:** Honors**Units:** 1

Anatomy and Physiology**Course:** 302320**Grade:** 10-12

This course is designed for those students who want to know more about the human anatomy. Topics include: occupations in the field, the cell, biochemistry, metabolism, tissues, human systems, DNA, and genetics. There will be dissections using computers and preserved specimens.

Prerequisite: Biology**Level:** Standard**Units:** 1**Honors Anatomy and Physiology****Course:** 302350**Grade:** 10-12

Honors Anatomy and Physiology is a college preparatory science course which provides the students with the unique opportunity to engage in a detailed study of the human body. The interrelationships between the structural design of the human body and its intricate functions will be the focus of the course. The physical and chemical basis for various biological processes within body systems will be analyzed. The importance of all body systems working together and working properly to maintain homeostasis will also be studied. As a lab-based course, dissection is an integral and mandatory part of our study of Human Anatomy and Physiology. Honors Anatomy and Physiology is designed for the student who has previous knowledge of chemistry and demonstrates the ability to work more independently on a variety of assignments. Students in this course must accept greater responsibility for their own learning.

Prerequisite: Biology; Chemistry recommended**Level:** Honors**Units:** 1**Marine Science****Course:** 304420**Grade:** 10-12

This course is designed for those students who wish to know more about the marine environment and various aspects of oceanography. Topics covered include hurricanes, physical oceanography, chemical oceanography, geological oceanography, marine biology, ecology, and man's relationship to the sea.

Prerequisite: Biology (enrolled in or completed)**Level:** Standard**Units:** 1**Honors Marine Science****Course:** 304450**Grade:** 10-12

Marine Science is the study of the ocean and coastal waters incorporating concepts in earth science, biology, chemistry, geography, geology, physics, and technology. Honors Marine Science is designed to give the student a more challenging and in-depth experience of marine science. Students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. Students are to do an in-depth study and presentation ("PowerPoint") to the class on a topic of their choosing related to marine science. Students are expected to have a greater conceptual understanding of general as well as more advanced oceanographic principles.

Prerequisite: Biology (enrolled in or completed)**Level:** Honors**Units:** 1

Social Studies

World History**Course:** 402420**Grade:** 9

This course is a chronologically arranged survey course that begins with early man and includes classical civilizations, revolutionary western changes, world upheaval, and the contemporary world. Extensive reading and individual and group research are required.

Prerequisite: None**Level:** Standard**Units:** 1**Honors World History****Course:** 402450**Grade:** 9

Honors World History provides the opportunity for advanced work, rigorous study, and systematic study of major ideas and concepts found in the study of global history. The course is challenging and requires students to take greater responsibility for their learning by participating in problem-seeking, problem-solving, scholarly and creative processes, critical analysis and application, and reflective thinking. Although the goals and many of the objectives are the same as those found in the Standard Course of Study, the material is taught with greater complexity and reflects a differentiated curriculum.

Prerequisite: None**Level:** Honors**Units:** 1**Civics and Economics****Course:** 405220**Grade:** 10-12

Through this course, students will acquire the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. Students will need a practical understanding of these systems of civics and economics that affect their lives as consumers and citizens. The goals and objectives of this course are drawn from disciplines of political science, history, economics, geography, and jurisprudence. Graduation requirement for the Class of 2006-2007 and beyond.

Prerequisite: None**Level:** Standard**Units:** 1**Honors Civics & Economics****Course:** 405250**Grade:** 10-12

This course goes beyond the standard course of study in Civics & Economics and concentrates on research, current events analysis, and essay writing. Extensive reading and a portfolio are required.

Prerequisite: None**Level:** Honors**Units:** 1**AP Government & Politics****Course:** 400470**Grade:** 10-12

Advanced Placement U.S. Government and Politics will provide students an intellectual foundation for observing, analyzing, and understanding national politics in the United States. Using primary and secondary source documents, as well as analysis of specific examples, students will examine and evaluate the institutions of American government, political parties and elections, mass media, political behavior, public policies, and the development of individual rights and liberties and their impact on citizens.

Prerequisite: Civics and Economics**Level:** AP**Units:** 1

U. S. History**Course:** 402120**Grade:** 11-12

This course is the traditional survey of U.S. History and consists of in-depth studies of four major topic areas including the growth of democratic institutions, foreign affairs, domestic-economic affairs, and current problem situations (both foreign and domestic) in the light of events of the 20th Century. The course prepares students for wise decision-making in a democratic society

Prerequisite: Civics and Economics recommended**Level:** Standard**Units:** 1**Honors U. S. History****Course:** 402150**Grade:** 11-12

The honors course in United States History provides the opportunity for advanced work, rigorous academic study, and the practical application of the major ideas and concepts found in the study of American history. The course is challenging and requires students to take greater responsibility for their learning by participating in problem-seeking and problem-solving, scholarly and creative processes, critical analysis and application, reflective thinking, and the expression and defense of ideas generated through the study of the content. Honors United States History follows the same course of study as the corresponding standard United States History course; however, the material is taught with greater complexity, novelty, acceleration, and reflects a differentiated curriculum. Honors United States History is distinguished by a difference in the depth and quality of the work expected, not merely an increase in quantity.

Prerequisite: Civics and Economics recommended**Level:** Honors**Units:** 1**AP U.S. History****Course:** 402170**Grade:** 11

This course is rigorous and demanding in terms of both the quality and quantity of course requirements. In addition to a comprehensive survey of American History, the course focuses on the critical analysis of significant political, economic, and social events and movements in American history as they relate to the present day. Substantial reading and research are required. The AP examination must be taken to receive extra quality points. The state required EOC is taken at the end of AP U.S. History at West Carteret and Croatan. At East Carteret, the EOC is taken at the end of Honors U.S. History because that course is the prerequisite for AP U.S. History on that campus.

Prerequisite: Civics & Economics. Honors U.S. History**Level:** AP**Units:** 1**Issues in American History****Course:** 401050**Grade:** 11

This course incorporates extensive reading, writing and project development in the study of U.S. History. Critical analysis of political, economic, and social events and movements are addressed. This course is paired with Advanced Placement U. S. History. Either these paired courses or U.S. History, not both, may be taken.

Prerequisite: Civics and Economics**Level:** Honors**Units:** 1**AP European History****Course:** 402370**Grade:** 12

Advanced Placement European History focuses on the period from the Renaissance to the present. Extensive reading assignments are required. Students who take the AP examination may receive college credit. This course does not satisfy the state requirement in World Studies. In order to receive extra quality points, the AP examination must be taken.

Prerequisite: World History.**Level:** AP**Units:** 1**Intro. Psychology/Sociology****Course:** 401020**Grade:** 9-12

This course engages students in an exploration of the background of human behavior, the determinants of human behavior, and the personality characteristics of individuals. Methods used by professional psychologists in studying human behavior, human growth and development, human learning, the effects of emotions on behavior, and how humans adapt to and interact in a variety of environments are studied. In Sociology, students engage in an exploration of the social science devoted to studying people and their life in groups.

Prerequisite: None**Level:** Standard**Units:** 1**Psychology****Course:** 408020**Grade:** 11-12

This course explores human behavior, personality characteristics of individuals, methods used by psychologists, and how individuals adapt to and succeed in a variety of environments. Students are required to submit a portfolio of his or her socialization process.

Prerequisite: none**Level:** Standard**Units:** 1**AP Psychology****Course:** 408070**Grade:** 11-12

Advanced Placement Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior. Students will take the AP exam for college credit at the end of this course.

Prerequisite: none**Level:** AP**Units:** 1

Visual Arts

Art I**Course:** 541520**Grade:** 9-12

This course is offered to all students. Artistic talent is not required. Art I requires the basics of design (line, shape, form, color, texture, etc.) to become part of each student's general knowledge. From this foundation, the course offers varied creative opportunities in mixed media, 3-dimensional design, painting, drawing, ceramics, and crafts. A materials fee is required.

Prerequisite: None**Level:** Standard**Units:** 1

Art II **Course:** 541620 **Grade:** 10-12
This course is a continuation of Art I. It develops the student's artistic skills in more advanced disciplines, and emphasizes using more advanced techniques. Art history is taught through the use of text, slides and films. Through this study, greater appreciation and respect for art and artists is stressed. Individual initiative is of great importance and artistic outcome is the major basis for the course grade. A materials fee is required.

Prerequisite: Art I **Level:** Standard **Units:** 1

Art III **Course:** 541720 **Grade:** 10-12
This course is a continuation of Art II. It is designed to be more intense, concentrating on the student's major interests. Art history and art appreciation are continued through the use of texts, slides and films. Individual motivation and true skill are essential. This course is limited to those students who have genuine interest in continuing with the arts after high school. A materials fee is required.

Prerequisite: Art II **Level:** Standard **Units:** 1

Art IV **Course:** 541820 **Grade:** 11-12
This course is the continuation of the in-depth studies of Art III. It is designed for students who are self-motivated and willing to put in extra hours on their projects. The goal for the student is to perfect a portfolio for college entrance and/or a job interview. Art history is studied through textbooks, and the student must submit two papers. A materials fee is required.

Prerequisite: Art III **Level:** Standard **Units:** 1

Honors Art IV **Course:** 541850 **Grade:** 11-12
Honors Visual Arts IV is an even more advanced level of Art IV and involves additional in-depth knowledge of art processes, media, history and the development of such. In addition, students are expected to become initiators of learning and accomplishment, as well as to demonstrate leadership and expertise in visual art. Since it is a more advanced level of art, it will follow Art III. Focus areas: 1) advanced, more individualized and activity based work, 2) learning experiences that are often exploratory, experiential and/or open ended, requiring students to think and operate at a higher than average level, 3) expanded use of vocabulary and terminology appropriate to visual arts processes, media and history, 4) students developing a greater ability to name and discuss a specific artist to illustrate concepts, techniques, etc., 5) work often generated through and resulting from the studio and/or seminar approach, 6) use of technology to study, learn and if applicable, to produce art, 7) work that requires students to take significant responsibility for their study and production of visual art, 8) improving students' understanding of where a specific artist or period of art fits into history and how both are a reflection of that time period, 9) helping students exhibit fluency of ideas and products and understand the basic rational and psychology behind creative processes and as a result, the students should demonstrate greater mastery of skills and processes, 10) higher expectations for the quality of work generated as well as the thought and creative processes demonstrated, 11) in-depth research, analysis, reflection, application, production and performance, 12) students becoming initiators of learning and accomplishments in visual arts, and 13) students demonstrating leadership and expertise in visual art.

Prerequisite: Art III and/or Art IV **Level:** Honors **Units:** 1

AP Visual Arts **Course:** 545270 **Grade:** 11-12
This course is intended for highly motivated students who are seriously interested in the study of art. Students submit portfolios for evaluation at the end of the school year. The portfolio is the vehicle through which students demonstrate their ability to deal with the fundamental concerns of visual arts. Students may earn Advanced Placement college credit. In order to earn extra quality points, the student must take the AP examination.

Prerequisite: Honors Art IV **Level:** AP **Units:** 1

Art History **Course:** 544820 **Grade:** 10-12
This course covers art from prehistoric times to present day. The elements and principles of art are reviewed. Students learn to recognize, describe, analyze, and interpret art through discussion and writing. Textbooks, slides, videos, and field trips are utilized. It is recommended that students complete Art I before taking Art History.

Prerequisite: None **Level:** Standard **Units:** 1

Studio Art 3D Design **Course:** 545470 **Grade:** 11-12
In AP Studio 3-D Art, students create a portfolio of three dimensional works of art that exhibit thorough knowledge of the Principles and Elements of Design as recognized by the College Board. The portfolio consists of three parts: Concentration; Breadth and Quality pieces. Pieces are made using a variety of materials, from cut paper, pottery and weaving, to carved plaster or stone. A wide variety of techniques are taught, which include among others: subtractive, additive, collage, and modeling.

Prerequisite: Honors Art IV **Level:** AP **Units:** 1

Band

Band I (Marching Band) **Course:** 525520 **Grade:** 9-12
First year Marching Band is open to all students and to Color Guard students from the previous Spring Color Guard auditions. The band performs during football games, parades, and marching band competitions. After-school rehearsals are required. Students must also sign up for Band II (Concert Band) for spring semester.

Prerequisite: Audition or Middle School Band participation **Level:** Standard **Units:** 1

Band II (Concert Band)**Course:** 525620**Grade:** 9-12

This class is offered second semester and is open to all band students with director approval. The band performs concert and symphonic band literature. Students work in smaller ensembles to develop more advanced skills. Performances include concerts, school functions, Concert Band Festival, All-District Band, and solo and ensemble participation.

Prerequisite: Audition/Marching Band participation**Level:** Standard**Units:** 1**Band III (Marching Band)****Course:** 525720**Grade:** 10-12

Second, third, or fourth year of Marching Band is open to all band students and to Color Guard students from previous Spring Color Guard auditions. The band performs during football games, parades, and marching band competitions. After-school rehearsals are required. Students must take this course both semesters.

Prerequisite: Band I**Level:** Standard**Units:** 1**Band III (Symphonic Band)****Course:** 525721**Grade:** 11-12

This class is offered second semester and is open to all band students with director approval. The band performs concert and symphonic band literature. Students work in smaller ensembles to develop more advanced skills. Performances include concerts, school functions, concert band festival, all-district band, and solo and ensemble participation.

Prerequisite: Audition/Marching Band participation**Level:** Standard**Units:** 1**Honors Band III****Course:** 525750**Grade:** 11-12

Focus areas: Advanced, more individualized work in authentic learning situations. In-depth research, analysis, reflection, applications and performance. Overview: 1) Honors Band III and IV address the competency goals and objectives of the North Carolina Standard Course of Study for Instrumental Music III and IV and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating written reports. 2) Develop and demonstrate advanced instrumental practices. 3) Play with increased technical accuracy and expression. 4) Refine sight-reading and ear training skills. 5) Play instrumental literature at Level IV - VI, which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of keys. 6) Play instrumental literature representing diverse genres, styles, and cultures. 7) Use singing in instrumental study as appropriate. 8) Develop skills in improvising, composing and arranging music. 9) Apply advanced reading and notating skills. 10) Demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work. Participation in Honors Band III and IV prepares students for further instrumental studies in music.

Prerequisite: Audition**Level:** Honors**Units:** 1**Band IV (Concert Band)****Course:** 525820**Grade:** 10-12

This class is offered second semester and is open to students who have completed Band II (Concert Band), with director approval. The band performs concert and symphonic band literature. Students work in smaller ensembles to develop more advanced skills. Performances include concerts, school functions, Concert Band Festival, All-District Band, and solo and ensemble participation.

Prerequisite: Band II (Concert Band) and Audition**Level:** Standard**Units:** 1**Honors Band IV****Course:** 525850**Grade:** 12

Focus Areas: Advances, more individualized work in authentic learning situations. In-depth research, and analysis, reflection, applications and performance. Overview: 1) Honors Band III and IV address the competency goals and objectives of the North Carolina Standard Course of Study for Instrumental Music III and IV and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating written reports. 2) Develop and demonstrate advanced instrumental practices. 3) Play with increased technical accuracy and expression. 4) Refine sight-reading and ear training skills. 5) Play instrumental literature at Levels IV - VI, which requires well-developed technical skills, attention to phrasing and interpretation, and ability to perform various meters and rhythms in a variety of key. 6) Play instrumental literature representing diverse genres, styles, and cultures. 7) Use singing in instrumental study as appropriate. 8) Develop skills in improvising, composing and arranging music. 9) Apply advanced reading and notating skills. 10) Demonstrate an understanding of instrumental literature in relationship to history, culture, and other content areas. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work. Participation in Honors Band III and IV prepares students for further instrumental studies in music.

Prerequisite: Honors Band III and Audition**Level:** Honors**Units:** 1**Percussion Ensemble****Course:** 525821**Grade:** 9-12

This course offers a concentration in percussion techniques and literature. Each student concentrates on percussion standards, and participates in percussion ensemble and solo literature. Students participate with the Concert Band in performances and concerts. Non-band members need permission from the Band Director. Wind players may participate only as a second music ensemble.

Prerequisite: Band Member**Level:** Standard**Units:** 1**Flag and Rifle I****Course:** 511520**Grade:** 9-12

This course is coordinated with Band. It is open to any interested high school student who has attended the Flag Clinic and successfully completed tryouts.

Prerequisite: Flag Clinic Tryouts**Level:** Standard**Units:** 1

Flag and Rifle II	Course: 511620	Grade: 9-12
This course is coordinated with Band. It is open to any interested high school student who has attended the Flag Clinic and successfully completed tryouts.		
Prerequisite: Flag Clinic Tryouts & Flag and Rifle I	Level: Standard	Units: 1
Flag and Rifle III	Course: 511720	Grade: 9-12
This course is coordinated with Band. It is open to any interested high school student who has attended the flag clinic and successfully completed tryouts.		
Prerequisite: Flag Clinic Tryouts	Level: Standard	Units: 1
Flag and Rifle IV	Course: 511820	Grade: 9-12
This course is coordinated with Band. It is open to any interested high school student who has attended the Flag Clinic and successfully completed tryouts.		
Prerequisite: Flag Clinic Tryouts	Level: Standard	Units: 1

Choral Music

Music Theory	Course: 521520	Grade: 9-12
This course is offered to all students who have an interest in learning about the details of music construction. The course covers theory, history, and composition.		
Prerequisite: None	Level: Standard	Units: 1
Chorus I	Course: 523020	Grade: 9-12
This course is an introductory course for the beginning high school choral student. Students are given an introduction to the proper use of the singing voice, emphasizing proper tone placement and breath support, as well as an introduction to the study of sight-singing and music theory. Scheduled performances and rehearsals are required. This year-long class may be designed as a mixed chorus, a male chorus, or a female ensemble. Students must commit to take this course both semesters.		
Prerequisite: None	Level: Standard	Units: 2 (1 per semester)
Chorus II	Course: 523120	Grade: 9-12
See Course Description for Chorus I.		
Prerequisite: Chorus I	Level: Standard	Units: 2 (1 per semester)
Chorus III	Course: 523220	Grade: 10-12
This course is the third course for high school choral students. Students are given continued instruction in the proper use of the singing voice, emphasizing proper tone placement and breath support, as well as continuation in the study of sight-singing and music theory. Scheduled performances and rehearsals are required. This year-long class may be designed as a mixed chorus, a male chorus, or a female ensemble. Students must commit to take this course both semesters.		
Prerequisite: Chorus II	Level: Standard	Units: 2 (1 per semester)
Chorus IV	Course: 523320	Grade: 10-12
See Course Description for Chorus III.		
Prerequisite: Chorus III	Level: Standard	Units: 2 (1 per semester)

*Note about Vocal Music courses: All students participating in Choir, Vocal Ensemble, West Carteret Singers, or Mariner Singers are enrolled in Vocal Music (I, II, III, or IV) (or) Honors Vocal Music (III or IV).

Vocal Music I	Course: 523021	Grade: 9-12
This is a select mixed choir of students who audition. The purpose of the audition is to enable the director to balance four sections of the choir. Selection is based on vocal and music reading ability. Outstanding vocal quality and music reading ability are required. Consistency in school attendance and personal responsibility are also considered. The emphasis in this course is on performance. Students are expected to attend all scheduled rehearsals and performances. Students are further expected to develop as solo performers, to perform with confidence in a small ensemble of singers, and be able to produce as a total performer, including singing, costuming, and choreography. This is a full year course and students must commit to taking the course both semesters.		
Prerequisite: Audition, interview, and meet criteria of the program.	Level: Standard	Units: 2 (1 per semester)
Vocal Music II	Course: 523121	Grade: 10-12
Vocal Music II continues to build on the comprehensive music education students have received in Vocal Music I. Vocal Music II will provide students with opportunities to: 1) develop and demonstrate appropriate vocal practices and refine the use of the voice as an instrument, 2) sing with increased technical accuracy and expression, 3) refine sight reading and ear training skills, 4) sing vocal literature which includes moderate technical demands, expanded ranges, and varied interpretive requirements, 5) sing vocal literature representing diverse genres, styles, and cultures, 6) utilize instruments as appropriate, 7) develop skills in improvising, composing and arranging music, 8) develop skills in listening to, analyzing, and evaluating musical experiences, 9) apply reading and notating skills, and 10) develop an understanding of vocal literature in relationship to history, culture, and other content areas.		
Prerequisite: Vocal Music I	Level: Standard	Units: 2 (1 per semester)

Vocal Music III**Course:** 523221**Grade:** 11-12

Vocal Music III continues to build on the comprehensive music education students have received in Vocal Music II

Prerequisite: Vocal Music II**Level:** Standard**Units:** 2 (1 per semester)**Honors Vocal Music III****Course:** 523251**Grade:** 11-12

This course is designed for students with advanced proficiencies in vocal performance and music skills. Those selected are expected to participate in all school activities and out-of-school events. Selection is based on vocal and music reading ability. Consistency in school attendance and personal responsibility are also considered. Each member is expected to prepare a solo and advance their vocal studies in at least two of the following areas: Performance, theory, analysis, history and composition. This is a full year course and students must commit to taking the course both semesters.

Prerequisite: Audition, interview, and meet criteria of the program.**Level:** Honors**Units:** 2 (1 per semester)**Vocal Music IV****Course:** 523321**Grade:** 9-12

Vocal Music IV continues to build on the comprehensive music education students have received in Vocal Music III.

Prerequisite: Vocal Music III**Level:** Standard**Units:** 2 (1 per semester)**Honors Vocal Music IV****Course:** 523351**Grade:** 12

See course description for Vocal Music III.

Prerequisite: Honors Vocal Music III**Level:** Honors**Units:** 2 (1 per semester)

Drama/Theatre

Drama I**Course:** 531520**Grade:** 9-12

Drama I is designed to give a basic understanding and knowledge of theater literature and history; to introduce the basic elements of voice, diction, and movement; and to provide opportunities for classroom scenes and the evaluation of performance.

Prerequisite: None**Level:** Standard**Units:** 1**Drama II****Course:** 531620**Grade:** 9-12

Drama II introduces students to the production aspects of theater including refined acting techniques, costuming, make-up, setting, lighting, and preparing a play for performance. This class produces plays for the high school student audience that will contribute to their cultural background and aesthetic experience.

Prerequisite: Drama I**Level:** Standard**Units:** 1**Theatre Arts I****Course:** 531720**Grade:** 9-12

This course introduces and expands experiences with all aspects of play production beyond acting. This includes play analysis, set design, set construction, scene and property painting, theatre and shop safety, costume design, sewing, makeup design and history, light design, and other technical aspects of the theatre.

Prerequisite: None**Level:** Standard**Units:** 1**Theatre Arts II****Course:** 531820**Grade:** 9-12

This course is a continuation of Theatre Arts I, emphasizing the technical aspects of the theatre production.

Prerequisite: Theatre Arts I**Level:** Standard**Units:** 1

Career / Technical Education Agriculture

Agriscience Applications**Course:** 681020**Grades:** 9-11

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science and agribusiness. Topics of instruction include agricultural awareness and literacy, leadership and FFA, employability skills and introduction to all aspects of the total agricultural industry. Skills in biology, language, writing, computers, math, and physics are reinforced in this course. Work-based learning strategies appropriate for this course are field trips, shadowing, Agriscience projects, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: None**Level :** Standard**Units:** 1

Agricultural Mechanics I**Course:** 683120**Grades:** 10-12

This course develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems, accidents, and repair needs they will encounter in their chosen agricultural career. Topics include agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, basic metal working, basic agricultural construction skills related to plumbing, concrete, carpentry, basic welding, and leadership development. Skills in physics, geometry, and algebra are reinforced in this course. Work-based learning strategies appropriate for this course are agriscience projects, field trips, shadowing and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: None**Level:** Standard**Units:** 1**Agricultural Mechanics II* (Metal Fabrication)****Course:** 683220**Grades:** 10-12

This course expands upon the knowledge and skills learned in Agricultural Mechanics I. The topics of instruction emphasized are non-metallic agricultural fabrication techniques, metal fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, and advanced career exploration/decision-making. Skills in physics, geometry, and algebra are reinforced in this course. Work-based learning strategies appropriate for this course are Agriscience projects, internships, cooperative education, apprenticeship, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies. *This is a College Tech Prep Completer course.

Prerequisite: Ag. Mechanics I**Level:** Standard**Units:** 1**Agricultural Mechanics II* (Small Engines)****Course:** 683320**Grades:** 10-12

This course provides hands-on instruction and emphasizes small engine systems including the compression, fuel, electrical, cooling, and lubrication systems. Troubleshooting methods are emphasized. In addition, students learn how to select engines for specific applications. Materials will be covered to prepare students for the Master Service Technician Exam. Safety skills will be emphasized as well as leadership development and work-based learning. Opportunities exist for students to conduct internships or apprenticeships as small engine technicians. *This is a College Tech Prep completer course.

Prerequisite: Ag. Mechanics I**Level:** Standard**Units:** 1**Animal Science I****Course:** 682120**Grades:** 10-12

This course focuses on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal career major. Topics include animal diseases, introduction to animal science, animal nutrition, animal science issues, career opportunities, and animal evaluation. Skills in biology, chemistry, and algebra are reinforced in this course. Work-based learning strategies appropriate for this course are Agriscience projects, internships, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: none**Level:** Standard**Units:** 1**Animal Science II*****Course:** 682220**Grades:** 10-12

This course includes more advanced scientific principles and communication skills than were developed in Animal Science I. Topics include animal waste management, animal science economics, decision-making, global concerns in the industry, genetics, and breeding. Content knowledge in biology, chemistry, and algebra are reinforced in this class. Work-based learning strategies appropriate for this course are Agriscience projects, internships, cooperative education, apprenticeships, and supervised agricultural experience. Supervised agricultural work experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies. *This course is a College Tech Prep completer course.

Prerequisite: Animal Science I**Level:** Standard**Units:** 1**Animal Science II*- Small Animal****Course:** 682320**Grades:** 10-12

This course provides instruction on animal husbandry topics related to small animals that are served by a veterinarian. Content related to the breeding, grooming, care and marketing of animals that fit into this category will be covered through this course. Opportunities for students to gain hands-on experience will be included in the course and reinforced through work-based learning and leadership experiences. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: Animal Science I**Level:** Standard**Units:** 1**Horticulture I****Course:** 684120**Grades:** 10-12

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, career opportunities, and leadership development. Skills in biology, chemistry, and algebra are reinforced in this course. Work-based learning strategies appropriate for this course are Agriscience projects, internships and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: None**Level:** Standard**Units:** 1

Horticulture II***Course:** 684220**Grades:** 10-12

This course covers instruction and expands the scientific knowledge and skills to include more advanced scientific computations, and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf grass management, career planning, and leadership/personal development. Skills in biology, chemistry, and algebra are reinforced in this course. Work-based learning strategies appropriate for this course are Agriscience projects, cooperative education, apprenticeships, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies. *This course is a College Tech Prep completer course.

Prerequisite: Horticulture I**Level:** Standard**Units:** 1**Honors Horticulture II*****Course:** 684250**Grades:** 10-12

Honors Horticulture II includes all of the activities described in the standard level Horticulture II plus advanced activities that expand the scientific knowledge and skills needed in the industry of horticulture and agricultural plant sciences. Students will be expected to work independently at a more challenging level. Students must complete a portfolio of their work and present their independent research projects to the public. Involvement in FFA is a component of this course. *This is a College Tech Prep completer course.

Prerequisite: Horticulture I**Level:** Honors**Units:** 1**Environmental & Natural Resources I****Course:** 685120**Grades:** 10-12

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. Skills in biology and algebra are reinforced in this class. Work-based learning strategies appropriate for this course are agriscience projects, field trips, shadowing, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: None**Level:** Standard**Units:** 1**Environmental & Natural Resources II*****Course:** 685220**Grades:** 10-12

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 in biology, chemistry, and algebra are reinforced in this class. Work-based learning strategies appropriate for this course are agriscience projects, field trips, shadowing, cooperative education, and supervised agricultural experience. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: Environmental & Natural Resources I**Level:** Standard**Units:** 1**Agriculture Work Cooperative****Course:** 689760**Grades:** 11-12

The cooperative method of instruction provides students enrolled in Career & Technical Education courses an opportunity to extend their employment preparation beyond the walls of a classroom. Cooperative Education is a method of instruction where Career and Technical Education instruction is combined with paid employment directly related to classroom instruction. The two experiences must be planned and supervised by both the school and the employer so that each contributes to the education and employability of the student. Written cooperative arrangements showing the instruction to be provided, are classroom and on-the-job training components. A minimum 135 hours of documented work is required. Please see the instructor for additional school requirements.

Prerequisite: Be enrolled in or have completed a level II Agriculture course, be 16 years old. Be employed in an agriculture related job approved by the Ag supervising teacher.**Level:** Standard**Units:** 1**Agriculture Advanced Studies****Course:** 689920**Grade:** 12

This is an exit course for seniors who are career focused in agricultural education. The three components of the program include a research paper, a product, and a presentation. Students demonstrate their ability to use content and apply knowledge to real-world situations in a career major. They will also demonstrate their ability to write, speak, apply knowledge, problem-solve, and use life skills such as time management, planning, follow-through, and organization. Students work under the guidance of a teacher-facilitator in collaboration with community members, business representatives and other school-based personnel. FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies.

Prerequisite: Three technical credits in Agriculture Ed. including a completer * course.**Level:** Standard**Units:** 1

Business & Information Technology Education, Marketing Education

Microsoft IT Academy I (Formerly Computer Applications I)**Course:** 64112WPP**Grades:** 9-12

This challenging course is designed to help students master advanced skills in Microsoft One Note, Word, Publisher, and PowerPoint. Instruction is provided through Microsoft and supplemented with classroom instruction. Microsoft provides certifications to students who successfully complete the course and final test provided by Microsoft. Students will register for a LIVE ID and can login to the MS website from school or home to work on assignments. FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

Prerequisite: None**Level:** Standard**Units:** 1

Microsoft IT Academy II (Formerly Computer Applications I) **Course:** 64112EA **Grades:** 9-12
This challenging course is designed to help students master advanced skills in Microsoft Excel and Access. Instruction is provided through Microsoft and supplemented with classroom instruction. Microsoft provides certifications to students who successfully complete the course and final test provided by Microsoft. Students will register for a LIVE ID and can login to the MS website from school or home to work on assignments. FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

Prerequisite: Course 6412WPP recommended; MS Excel requires Algebra skills **Level:** Standard **Units:** 1

Multimedia and Webpage Design* (formerly Computer Applications II*) **Course:** 641220 **Grades:** 10-12
This revised course focuses on desktop publishing, graphic image design, computer animation, virtual reality, multimedia production, and webpage design. Communication skills and critical thinking are reinforced through software applications. Work-based learning strategies appropriate for this course are service learning, field trips, and job shadowing. Simulations, projects, teamwork, and FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies. *This course is a College Tech Prep completer course.

Prerequisite: MS IT Academy WPP or EA **Level:** Standard **Units:** 1

Honors e-Commerce I **Course:** 641550 **Grades:** 11-12
This course is designed to help students master skills in the design and construction of complex web sites for conducting business, electronically. Emphasis is on skill development in advanced web page construction and entrepreneurial applications of conducting business electronically as well as economic, social, legal, and ethical issues related to electronic business. Students will plan, design, create, publish, maintain, and promote an electronic business website. Communication skills and critical thinking are reinforced through software applications. Work-based learning strategies appropriate for this course are school-based enterprises, internships, cooperative education, and apprenticeship. Simulations, projects, teamwork, and FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

Prerequisite: Computer Applications II **Level:** Honors **Units:** 1

Honors e-Commerce II* **Course:** 641650 **Grades:** 11-12
This course is designed to help students master advanced skills in electronic commerce security; payment infrastructure; secure electronic commerce transactions; and electronic commerce order entry, tracking and fulfillment. Emphasis is placed on marketing techniques for electronic commerce websites, tracking and using customer and sales data, and other uses of databases in electronic commerce sites. Communication skills, problem solving, research, and critical thinking skills are reinforced as students develop and enhance capstone projects. Workbased learning strategies appropriate to this course are internships, cooperative education, and apprenticeship. Simulations, projects, teamwork, and FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

Prerequisite: e-Commerce I **Level:** Honors **Units:** 1

Principles of Business & Finance **Course:** 620020 Business Ed; 660020 for Marketing Ed. **Grades:** 9-12
This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management. Appropriate work-based learning strategies are job shadowing, field trips, and service learning. Participation in DECA and FBLA leadership activities, conferences, competitions, and meetings in addition to projects, simulations and teamwork provides the opportunity for application of instructional competencies.

Prerequisite: None **Level:** Standard **Units:** 1

Business Law **Course:** 621520 **Grades:** 10-12
This course is designed to acquaint students with the basic legal principles common to business and personal activities. Topics include consumer concepts to assist students when evaluating contracts, purchasing with credit, purchasing appropriate insurance, and renting and owning real estate. Business concepts such as contracting, ethics, starting a business, hiring employees, managing employees, and representing other businesses and individuals in an agency capacity are included. Skills in critical thinking are reinforced in this course along with oral and written communication skills. Work-based learning strategies appropriate for this course are field trips and job shadowing. In addition to simulations, projects, and teamwork, FBLA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies

Prerequisite: None **Level:** Standard **Units:** 1

Marketing **Course:** 662120 **Grades:** 10-12
This course is designed to help students develop basic knowledge, skills, and attitudes that will prepare them to enter the field of marketing. The course, which focuses on the National Marketing Education Standards and the National Curriculum Framework, emphasizes the foundations of business, management, and entrepreneurship; economics; professional development; and communication and interpersonal skills. Included in these foundations are concepts such as distribution, financing, selling, pricing, promotion, marketing-information management, and product/service management. Skills in communications, mathematics, and psychology are reinforced in this course. Work-based learning strategies appropriate for this course include job shadowing, paid/unpaid internships, school-based enterprises, field trips, and/or cooperative education.

Prerequisite: None **Level:** Standard **Units:** 1

Sports and Entertainment Marketing I**Course:** 667020**Grades:** 9-12

This course is designed for students interested in 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. Skills in communications, human relations, psychology, and mathematics are reinforced in this course. Work-based learning strategies appropriate for this course include cooperative education, paid/unpaid internships, or school-based enterprises. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions provide many opportunities for application of instructional competencies.

Prerequisite: None - Marketing recommended**Level:** Standard**Units:** 1**Sports and Entertainment Marketing II*****Course:** 667120**Grades:** 10-12

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. Skills in communications, human relations, mathematics, psychology, and technical writing are reinforced in this course. Work-based learning strategies appropriate for this course include cooperative education, paid/unpaid internships, or school-based enterprises. Marketing simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions provide many opportunities for application of instructional competencies.

Prerequisite: Sports and Entertainment Marketing I**Level:** Standard**Units:** 1**Small Business Entrepreneurship*****Course:** 661520**Grades:** 11-12

This course introduces students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business. Skills in communication, technical writing, mathematics, research, and problem-solving are reinforced as each student prepares his/her own business plan. Work-based learning strategies appropriate for this course include cooperative education and paid/unpaid internships. Simulations, projects, teamwork, and DECA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies. *This course is a College Tech Prep completer course for students in the Business Technologies Pathway.

Prerequisite: Completion of two technical credits in the same career pathway**Level:** Standard**Units:** 1**Business Advanced Studies****Course:** 659920**Grades:** 12

This culminating course is for seniors who are career focused in accounting and finance, business administration, business management and ownership, information technology, or office systems technology. The three parts of the course include writing a research paper, producing a product, and delivering a presentation. Students demonstrate their abilities to use content and apply knowledge to professional business situations in a selected career. In addition, they will also demonstrate their ability to write, speak, apply knowledge, problem solve, and use life skills such as time management and organization. Students work under the guidance of a teacher-advisor in collaboration with community members, business representatives, and other school-based personnel.

Prerequisite: Three technical credits in Business/Marketing**Level:** Standard**Units:** 1

Education including a completer * course.

Marketing Cooperative Work Experience**Course:** 669760**Grades:** 11-12

This course is available to students who are concurrently enrolled in a Marketing course. Students must be employed and be able to document 135 work hours during the semester. Cooperative agreements must be signed by the student, parent, teacher and employer. This course may be taken with Marketing instructor's permission only.

Prerequisite: Must be currently taking a Marketing course be age 16 or older**Level:** Standard**Units:** 1

Must be employed in a marketing related job

Marketing Advanced Studies**Course:** 669920**Grades:** 12

This is a culminating course for seniors who are career-focused in marketing technologies; sales and technical services; travel, tourism, and recreation marketing; business management and small business/entrepreneurship; fashion merchandising; business administration; or sports and entertainment marketing. The three components of the course include writing a research paper, producing a product, and delivering a presentation. Students demonstrate the ability to use content and apply knowledge to real-world situations in a career major. In addition, they will also demonstrate the ability to write, speak, apply knowledge, problem solve, and use life skills such as time management, planning, follow through, and organization. Students work under the guidance of a teacher facilitator in collaboration with community members, business representatives, and other school-based personnel. Simulations, projects, teamwork, DECA leadership activities, meetings, conferences, and competitions provide opportunities for application of instructional competencies.

Prerequisite: Three technical credits in Business/Marketing**Level:** Standard**Units:** 1

Ed. including a completer * course.

Family and Consumer Sciences

Teen Living

Course: 701520

Grades: 9-10

This course examines life management skills in the areas of personal and family living; wellness, nutrition, and foods; financial management; living environments; appropriate child development practices; fashion and clothing; and job readiness. Emphasis is placed on students applying these skills during their teen years. Through simulated experiences, they learn to fulfill their responsibilities associated with the work of the family and community. Skills in mathematics, communication, science, technology, and personal and interpersonal relationships are reinforced in this course. Work-based learning strategies appropriate for this course include field trips and service learning. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: None

Level: Standard

Units: 1

Apparel Development I

Course: 703520

Grades: 10-12

This course examines clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Skills in art, communication, mathematics, science, and technology are reinforced in this course. Work-based learning strategies appropriate for this course include field trips, job shadowing, and service learning. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: None

Level: Standard

Units: 1

Apparel Development II*

Course: 703620

Grades: 11-12

This course focuses on advanced clothing and housing apparel development. The use of fibers and fabrics is combined with design and construction techniques to develop and produce a clothing or housing apparel product. A real or simulated business apparel enterprise and FCCLA activities allow students to apply instructional strategies and workplace readiness skills to an authentic experience and to develop a portfolio. Skills in science, mathematics, management, communication, and teamwork are reinforced in this course. Work-based learning strategies appropriate for the course include school-based enterprises, field trips, job shadowing, and service learning. *This course is a College Tech Prep completer course.

Prerequisite: Apparel Development I or Housing and Interiors I

Level: Standard

Units: 1

Foods I – Fundamentals

Course: 704520

Grades: 9-12

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. Skills in science and mathematics are reinforced in this course. Work-based learning strategies appropriate for this course include field trips, job shadowing, and service learning. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: None

Level: Standard

Units: 1

Foods II – Advanced*

Course: 704620

Grades: 10-12

This course focuses on advanced food preparation techniques while applying nutrition, food science, and test kitchen concepts using new technology. Food safety and sanitation receive special emphasis, with students taking the exam for the ServSafe® credential from the National Restaurant Association. Students develop skills in preparing foods such as beverages, salads and dressing, yeast breads, and cake fillings and frostings. A real or simulated in-school food business component allows students to apply instructional strategies and workplace readiness skills to an authentic experience to develop a portfolio and to enhance FCCLA activities. Skills in science, math, management, and communication are reinforced in this course. Work-based learning strategies appropriate for this course include school-based enterprises, field trips, job shadowing, and service learning. *This course is a College Tech Prep completer course.

Prerequisite: Foods I – Fundamentals

Level: Standard

Units: 1

Housing and Interiors I

Course: 705520

Grades: 10-12

This course examines housing and interior decisions that individuals and families make based on their needs, the environment, and technology. Emphasis is placed on selecting goods and services and creating functional and pleasing living environments based on sound financial decisions and design principles. Skills in mathematics, technology, and art are reinforced in this course. Work-based learning strategies appropriate for this course include field trips, job shadowing, service learning, and school-based enterprises. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: None

Level: Standard

Units: 1

Housing and Interiors II***Course:** 705620**Grades:** 11-12

This two-block course prepares students for opportunities in the residential and non-residential interior design fields for entry-level and technical jobs. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. Skills in technology, art, mathematics, and communication are reinforced in this course. Comprising 50 percent of the course work, work-based learning strategies appropriate for this course include field trips, job shadowing, school-based enterprises, internships, cooperative education, and apprenticeships. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: Housing and Interiors I or Apparel Development I**Level:** Standard**Units:** 2**Parenting & Child Development****Course:** 706520**Grades:** 9-12

This course introduces students to responsible nurturing and basic applications of child development theory. Emphasis is on the parents' responsibilities and the influences they have on children while providing care and guidance. Skills in communication, resource management, and problem solving are reinforced in this course. Work-based learning strategies appropriate for this course include field trips and service learning. Careers in teaching, day care, pediatric health care, and social work are examined through speakers & field trips. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: None**Level:** Standard**Units:** 1**Early Childhood Education I****Course:** 711120**Grades:** 11-12

This two-block course prepares students to work with children birth to age 8. Emphasis is placed on enhancing the development of young children while providing early education and care. Topics include stages of development, health, safety, guidance, and developmentally appropriate activities. This is a two-credit course with work-based learning comprising over 50 percent of the required coursework. Students who will be participating in work-based learning experiences in child care centers should be 16 years of age prior to the beginning of the work-based placement (North Carolina Child Care General Statute 110.91, Section 8). The work-based learning strategies appropriate for this course include school-based enterprises, internships, cooperative education, service learning, field trips, job shadowing, and apprenticeships. Industry skill development and FCCLA leadership activities provide the opportunity to apply instructional competencies and career management skills to authentic experiences. Students enrolled in this course will have to successfully pass a background check prior to working in a child care center.

Prerequisite: Parenting & Child Development strongly recommended**Level:** Standard**Units:** 2**Financial Education****Course:** 708620**Grades:** 11-12

This course is designed to increase financial literacy among high school juniors and seniors and prepare them to be successful managers of their personal, family and environmental resources. Students learn to manage resources through authentic applications that are relevant to their lives – e.g., spending plans, cost analyses, strategic career plans, comparison shopping, individual and family scenarios, and product care demonstrations. Lesson activities are derived from a series of highly motivational, activity-based lessons produced by the Family Economics and Financial Education (FEFE) Project of Montana State University. Students compile a portfolio of work products and assessments for each application. Recommended Work-based learning strategies include job shadowing and service learning. FCCLA leadership applications provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: None**Level:** Standard**Units:** 1**FACS Advanced Studies****Course:** 719920**Grade:** 12

This culminating course is for seniors who are career focused in the apparel design, community and family services, culinary arts and hospitality, early childhood education, food science, dietetics, and nutrition; or interior design career areas. The three parts of the course include a research paper, a product, and a presentation. Students demonstrate their abilities to use content and apply knowledge to authentic situations in a selected career. In addition, they will also demonstrate their abilities to write, speak, solve problems, and to use life skills such as time management and organization. Students work under the guidance of a teacher-facilitator in collaboration with community members, business representatives, and other school-based personnel. FCCLA leadership activities provide the opportunity to apply instructional competencies and workplace readiness skills to authentic experiences.

Prerequisite: Three technical credits in Family and Consumer Science including a * completer course**Level:** Standard**Units:** 1

Project Lead the Way – Pre-Engineering Technology

Introduction to Engineering Design**Course:** 802050 (Honors) 802020 (Std.)**Grades:** 9-11

Students discover the world of Engineering through planning, building and analyzing models and learning to use design software. Using 3D computer modeling software, students learn the design process and solve design problems for which they develop, analyze, and create product models. This course is a real world "hands-on" problem solving course and is offered at standard and honors levels. Introduction to Engineering Design is the first course in the **Project Lead the Way** program and is appropriate to students interested in pursuing a bachelors or associates degree in Engineering or who want to strengthen their knowledge of math, science and technology. Students at ECHS and CHS are eligible to take this course on the WCHS campus.

Prerequisite: Algebra I

Level: Standard or Honors

Units: 1

Principles of Engineering

Course: 802150 (Honors) 802120 (Std.)

Grades: 10-11

Principles of Engineering helps students understand the field of engineering and engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. This course also includes concerns about social and political consequences of technological change.

Prerequisite: Introduction to Engineering Design

Level: Standard or Honors

Units: 1

Digital Electronics

Course: 802250 (Honors)

Grades: 10-11

Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation.

Prerequisite: Principles of Engineering

Level: Honors

Units: 1

Civil Engineering & Architecture

Coming in 2012-2013

Students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property. Working in teams, students explore hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

Prerequisite: Digital Electronics

Health Sciences Career Pathway

Sequence of courses for students enrolled in the Health Sciences Career Pathway

Suggested Sequence of Courses for Grades 9-11

Required Courses:

Anatomy and Physiology or Honors Biology II
Chemistry – standard or honors level
(see pages 22-23 for science course descriptions)

Enhancement Courses:

Foods I Basic, Foods II Advanced*
Digital Communications, Computer Apps I/II*
Parenting and Child Development
Geometry, Algebra II, Pre-Calculus

Suggested Sequence of Courses for Grades 11-12

Medical Terminology I & II*
EMS 110* – (EMT Training) EMS140, EMS150
Bio 168* & 169 (CCC Anatomy & Physiology)
Bio 155* (Nutrition I)

Certified Nurse Assistant* (CCC Continuing Ed.; required for RN)
Health Careers Internship* (HS Seniors only)

Enhancement Courses (CCC campus):

Psychology 150, English 111, Humanities Elective
Other courses as listed on page 46, **CCC Academic/Honors Courses**

Trade & Industrial Education

Carpentry I

Course: 772120

Grades: 9-12

This course provides a basic introduction to construction work and the technical aspects of carpentry. Topics include safety, measurement and identification, selection and use of tools, equipment, lumber, materials, and fasteners. Hands-on work experiences and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development.

Prerequisite: None

Level: Standard

Units: 1

Carpentry II*

Course: 772220 (yr-long) or 772221 (2 pd.)

Grades: 10-12

This is a two-period course and covers in-depth technical aspects of carpentry with emphasis on development of skills introduced in Carpentry I. Topics include plans, framing, footings, foundations, wall sheathing, insulation, vapor barriers, gypsum board, and underlayment. Skills in measurement, leadership, safety, mathematics, and principles of technology are reinforced in this course. Work-based learning strategies appropriate for this course are cooperative education and apprenticeship. Hands-on work experiences and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development. Geometry is a recommended prerequisite. *This a College Tech Prep completer course.

Prerequisite: Carpentry I

Level: Standard

Units: 2

Drafting I**Course:** 792120**Grades:** 10-12

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas and concepts found in the areas of architecture, manufacturing, engineering, science and mathematics. Topics include problem-solving strategies, classical representation methods such as sketching, geometric construction techniques, as well as CAD (computer assisted design), orthographic projection, and 3-D modeling. Skills in communication, mathematics, science, leadership, and problem-solving are reinforced in this course. Job shadowing is an appropriate work-based learning strategy for this course. Hands-on work experiences and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development.

Prerequisite: None**Level:** Standard**Units:** 1**Drafting II - Architectural*****Course:** 796220**Grades:** 11-12

This course focuses on the principles, concepts, and use of complex graphic tools used in the field of architecture, structural systems, and construction trades. Emphasis is placed on the use of CAD tools in the creation of floor plans, wall sections, and elevation drawings. Mathematics, science, and visual design concepts are reinforced. Work-based learning strategies appropriate for this course are apprenticeship and cooperative education. Hands-on work experiences and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development. *This course is a College Tech Prep completer course for students in the Construction Pathway.

Prerequisite: Drafting I**Level:** Standard**Units:** 1**T& I Advanced Studies****Course:** 799920**Grades:** 12

This culminating, career-focused course for seniors in Trade and Industrial programs includes a research paper, product, and presentation. Emphasis is placed on students demonstrating their abilities to use content and apply knowledge to real-world situations. Skills in leadership, writing, speaking, problem-solving, mathematics, and science are reinforced in this course. Students work under the guidance of a teacher-facilitator in collaboration with community members, business representatives, and other school-based personnel. Hands-on work experience and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development.

Prerequisite: Three technical credits in Trade and Industrial Education including a completer * course.**Level:** Standard**Units:** 1**T&I Cooperative Work Experience****Course:****Grades:** 11-12

This course is available to students who have or are concurrently completing a T&I Cluster or Pathway. Students must be employed and be able to document 135 work hours during the semester. Cooperative agreements must be signed by the student, parent, teacher and employer. This course may be taken with T&I instructor's permission only.

Prerequisite: Must be currently taking a T&I course, be age 16 or older
Must be employed in an approved T&I related job**Level:** Standard**Units:** 1

Work & Career Development

Career & Technical Education Internship**Course:** 619820**Grade:** 12 only

Internships allow CTE students to observe and participate in a job that is related to their completed Career Cluster or Pathway. This activity is exploratory and allows the intern to get hands-on experience in a number of related activities. In order to participate in an internship, students must submit a completed application (available in the school's guidance office) by the assigned due date. Students will be accepted based on meeting minimum requirements. NO applications will be accepted after the deadline for either semester for the following year due to insurance policy requirements. Students must have a GPA of 2.5 to be accepted as well as a clean disciplinary record and consistently good attendance to be considered. No CTE internships may be done on the intern's home school property or with a parent or other relative. Interns will be required to develop a portfolio, keep a journal, and practice superior work ethics in order to stay in the program. CTE interns will be managed by Carteret County School's Career Development Coordinator. Strict adherence to the program guidelines will be required.

Prerequisite: Completion of an application and acceptance into the program.**Level:** Standard**Units:** 1**Health Science Internship****Course:** 729820**Grade:** 12 only

The HSP Internship is a culminating activity for students who have completed the requirements for the Health Sciences Pathway. Students will spend 1 period Monday through Thursday for 9 weeks at Carteret Community College rotating through the Allied Health Sciences programs to learn about each of the professions associated with the field and to take Medical Terminology I. Students will spend the remainder of the semester at Carteret General Hospital with a mentor exploring additional health careers in areas such as pharmacy and nutrition/dietetics. This course will be offered during spring semester only and class enrollment is limited to 12 students due to limited space at the hospital. All students must have completed the HSP program and go through the application process. See your counselor for an application.

Prerequisite: Application approval (includes recommendations and essay)**Level:** Standard**Units:** 1

Technology Internship**Course:** 659821**Grades:** 11-12

The purpose of the Computer Technology internship is to provide another avenue to enhance the academic, intellectual, personal, and technological skills of students. This internship placement should have a direct correlation to a student's career goal. It will provide opportunities for observing, performing hands-on tasks, attending meetings and being involved in the decision-making process when appropriate. The intern may spend most of the time working with one resource person within the school or several people on a variety of tasks. Students may take this course one semester each year during grades 11 and 12. During the senior year the intern may opt to do the internship at another school. This course requires an application and approval from the school's Technology Facilitator or Media Coordinator.

Prerequisite: Completion of a Business Technologies Career Pathway**Level:** Standard**Units:** 1

NTHS IS THE ACKNOWLEDGED LEADER IN THE RECOGNITION OF OUTSTANDING STUDENT ACHIEVEMENT IN CAREER AND TECHNICAL EDUCATION.

Thousands of schools and colleges throughout the U.S. and its territories have a chapter of the honor society on their campus. These member schools agree that NTHS encourages higher scholastic achievement, cultivates a desire for personal excellence, and helps top students find success in today's highly competitive workplace.

Croatan High School, East Carteret High School and West Carteret High School have active chapters of the National Technical Honor Society. Local induction requirements include but are not limited to:

- Completion of, or be in progress, a Career Pathway (4 courses in a program area including an advanced course)
- Membership in a Career Technical Student Organization such as FFA, FBLA, Skills USA, FCCLA, DECA
- Overall GPA of 3.0 with a 3.5 in the career pathway courses
- Recommendation from a Career Technical teacher

For more information call: CHS: Mr. Westmoreland 393-7022, ECHS: Ms. Bailey: 728-3514, WCHS: Ms. Parker 726-1176

<http://www.nths.org/About/tabid/53/Default.aspx>

Health and Physical Education

Health and PE I**Course:** 901120**Grade:** 9-12

This course is required for all ninth grade students. Class time is spent studying many facets of health. Physical education activities include conditioning, individual and team sports, fitness activities, and other self-improvement activities. In this course students learn about total health to include physical, mental, and social well-being. This course is required for graduation.

Prerequisite: None**Level:** Standard**Units:** 1**Health and PE (Boys)****Course:** 901121**Grade:** 9

This course is required for all ninth grade students. Class time is spent studying many facets of health. Physical education activities include conditioning, individual and team sports, fitness activities, and other self-improvement activities. In this course students learn about total health to include physical, mental, and social well-being. This course is required for graduation.

Prerequisite: None**Level:** Standard**Units:** 1**Health and PE (Girls)****Course:** 901122**Grade:** 9

This course is required for all ninth grade students. Class time is spent studying many facets of health. Physical education activities include conditioning, individual and team sports, fitness activities, and other self-improvement activities. In this course students learn about total health to include physical, mental, and social well-being. This course is required for graduation.

Prerequisite: None**Level:** Standard**Units:** 1**Individual Sports****Course:** 901522**Grade:** 9-12

This course is designed to improve physical fitness levels through participation in individual and dual sports such as archery, badminton, bowling, golf, paddle ball, tennis, and kayaking. Instruction includes fitness activities, circuit training, rules, skills, and strategies of each sport.

Prerequisite: Health and PE I**Level:** Standard**Units:** 1**Lifetime Sports/Fitness****Course:** 901520**Grade:** 9-12

This course of physical activities and classroom work is designed to provide students with skills and knowledge needed to stay active and healthy. Skills instruction is in aerobic/fitness activities, archery, badminton, basketball, circuit training, and other activities. Classroom work covers cardiovascular disease, aging, and communicable diseases.

Prerequisite: Health and PE I**Level:** Standard**Units:** 1

Sports Medicine**Course:** 953020**Grade:** 10-12

This course is designed for students seeking knowledge and skills related to physical performance, prevention of sports injuries and treatment of sports injuries. There is extensive study in anatomy, physiology, and medical terminology. All students have the option of becoming certified in CPR and receiving certificates for American Red Cross/ American Heart Assoc.

Prerequisite: Health and PE I**Level:** Standard**Units:** 1**Team Sports****Course:** 901521**Grade:** 9-12

This course is designed to improve physical fitness and to develop a teamwork concept and leadership skills. Instruction includes rules, skills, and strategies necessary to be successful in basketball, football, soccer, volleyball, lacrosse and other team sports. This course may be taken more than one time for credit.

Prerequisite: Health and PE I**Level:** Standard**Units:** 1**Weight Training/Female****Course:** 901523**Grade:** 10-12

This course is designed to inform, teach and systematically improve flexibility and agility; to increase upper and lower body strength; to maintain body weight while increasing muscle mass and decreasing body fat percentage; to develop aerobic cardiovascular endurance; to enhance explosive power; and to gain a better awareness of the importance of lifetime wellness through physical fitness. This course may be taken more than one time for credit.

Prerequisite: Health and PE I**Level:** Standard**Units:** 1**Weight Training/Male****Course:** 901524**Grade:** 10-12

This course is designed to inform, teach and systematically improve flexibility and agility; to increase upper and lower body strength; to maintain body weight while increasing muscle mass and decreasing body fat percentage; to develop aerobic cardiovascular endurance; to enhance explosive power; and to gain a better awareness of the importance of lifetime wellness through physical fitness. This course may be taken more than one time for credit.

Prerequisite: Health and PE I**Level:** Standard**Units:** 1

NJROTC - Naval Science

NJROTC is an elective course that can also satisfy a Pathway in the Career Prep Course of Study. There are four basic courses and two leadership courses. The instructors are retired military personnel certified by the Navy and North Carolina. Uniforms are provided free, and there is no cost to students other than uniform cleaning. Enrollment requirements are established by the Navy and cannot be waived.

Students must meet the following requirements in order to enroll in NJROTC:

1. Be physically qualified to participate fully in the school PE program.
2. Have academic achievement that is at least normal progression to graduation.
3. Maintain acceptable standards of conduct.
4. Comply with the personal grooming and uniform standards.
5. Be selected by the NJROTC instructor.

All NJROTC classes require wearing the uniform correctly one day per week, military drill, and some physical fitness training.

Naval JROTC I**Course:** 950120**Grade:** 9-12

This course covers citizenship, leadership and the value of scholarship in attaining life goals. Drill, military bearing, customs and courtesies are half of the syllabus.

Prerequisite: None**Level:** Standard**Units:** 1**Naval JROTC II****Course:** 950220**Grade:** 9-12

This course builds on Naval Science I. It develops citizenship and leadership and introduces technical areas of naval science. The course includes maritime history, oceanography, meteorology, astronomy, and physical science.

Prerequisite: Naval JROTC I**Level:** Standard**Units:** 1**Naval JROTC III****Course:** 950320**Grade:** 10-12

This course introduces students to National Security, International Law, and Nautical Skills. It includes seamanship, navigation, rules of the road, ship construction, damage control, and naval weapons.

Prerequisite: Naval JROTC II**Level:** Standard**Units:** 1**Naval JROTC IIIB****Course:** 950321**Grade:** 10-12

This is a continuation of Naval Science III subject matter, in much greater depth.

Prerequisite: Naval JROTC III**Level:** Standard**Units:** 1**Naval JROTC IV****Course:** 950420**Grade:** 12

This is a limited enrollment class, open only to a few top-performing cadets who have been selected to fill key staff and leadership positions. This is a course of practical management and applied leadership. It involves a considerable administrative workload.

Prerequisite: Naval JROTC III or IIIB**Level:** Standard**Units:** 1

NJROTC Basic Leadership**Course:** 950421**Grade:** 12

This is a course for students who want to take additional classes of NJROTC. It includes applied leadership, computer management systems, organizational behavior, supply systems, and reports and records.

Prerequisite: Naval JROTC IV**Level:** Standard**Units:** 1**NJROTC Advanced Leadership****Course:** 950422**Grade:** 12

This a continuation of the topics of Basic leadership in much greater depth.

Prerequisite: Naval JROTC Basic Leadership**Level:** Standard**Units:** 1

Miscellaneous Electives

Teacher Cadet I**Course:** 951250**Grade:** 11-12

The Teacher Cadet Class is designed for high school juniors/seniors who are interested in the field of education and have followed the college preparatory curriculum. The curriculum is divided into four units: The Learner, The School, The Teacher and Teaching, Culminating Activities. The course teaches students about different personality styles, learning styles, and human development (physical, social, and moral.)

Prerequisite: Application approval (includes recommendations and essay)**Level:** Honors**Units:** 1**Curriculum Assistance (9-12)****Course:** 955000**Grade:** 9-12

This course provides tutorial help and remedial studies for eligible students. All subjects are remediated as needed. Behavioral management, coping skills, crisis intervention, study skills, and computer assisted instruction are incorporated into each class as needed. Students are scheduled with a focus on math, reading, and/or written expression.

Prerequisite: Current IEP**Level:** Basic**Units:** 1**Freshman Seminar/Express****Course:** 952020**Grade:** 9

Freshman Express is a highly motivating class that gets freshmen started on the right track toward success in high school and in their everyday life. It will take students on a journey that is designed to increase self-esteem while building social skills, communication skills, and good study habits.

Prerequisite: None**Level:** Standard**Units:** 1**Freshman Express Honors****Course:** 10295FE**Grade:** 9

Freshman Express is a highly motivating class that gets freshmen started on the right track toward success in high school and in their everyday life. It will take students on a journey that is designed to increase self-esteem while building social skills, communication skills, and good study habits, while fulfilling the North Carolina Standard Course of Study for Character Education. The Honors Freshman Express course fosters intellectual curiosity by encouraging students to generate thought-provoking questions and topics and to research diverse sources. Honors courses will require students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators. Higher level thinking skills will be emphasized through interdisciplinary and critical perspectives as reflected in the quality of student performance in oral language, written language, and other media/technology. All courses should challenge students and incorporate opportunities for independent critical thinking; Honors Freshman Express can be distinguished from standard Freshman Express by the consistency with which the characteristics described above are evident. Students will be expected to work independently at a more challenging level in order to fulfill the Honors Contract requirements.

Prerequisite: None**Level:** Honors**Units:** 1**SAT Prep****Course:** 951020**Grade:** 10-12

This course provides students an opportunity to improve skills for the verbal and mathematics sections of the Scholastic Assessment Test (SAT I). Students learn how to access information on college entrance requirements, financial resources, etc. A variety of media is used including videos, computers and interactive software. Counselors work with the instructor to present information on various facets of college preparation.

Prerequisite: Algebra I and Geometry**Level:** Standard**Units:** 1

DUAL ENROLLMENT CARTERET COMMUNITY COLLEGE

Dual Enrollment is a program for qualified high school students enrolled in the Carteret County School System. Students have an opportunity to earn both high school and college/university credit through Dual Enrollment. Students taking courses offered through Carteret Community College are considered college students and should be mature enough to handle the challenge of college courses. The minimum entrance standards are: Students must be 16 years of age; be making satisfactory progress toward graduation; have a cumulative GPA of 2.5 or better; and earn satisfactory scores on the ASSET, SAT or ACT. High school students are reminded that enrolling at Carteret Community College will begin a college transcript that will follow him/her throughout the post-secondary years, regardless of the student's educational goals. Courses carrying high school credit are listed on the next 3 pages. **No others will be honored.** Course prerequisites must be met before enrollment. Courses may be taken at the beginning or end of the school day, online, or in the evening. Dual Enrollment application packets are made available each spring to Carteret County School students in the high school Counseling office during registration and must be completed prior to registration at the community college.

- **ADMISSION** – It is the responsibility of the student to complete the necessary forms for dual enrollment, including signatures from the appropriate staff at the high school and at Carteret Community College. It is also the responsibility of the student to take placement test at Carteret Community College if the student does not have an SAT score of at least 500 in Critical Reading, 500 in Writing, 550 in Mathematics, or a 20 ACT Composite Score. To schedule the placement test, call Carteret Community College Academic Support Services, 222-6218. The placement test is given at no charge.
- **TRANSPORTATION** – Students are responsible for their own transportation to and from Carteret Community College. **TUITION** – Through legislation authorizing dual enrollment of high school students, tuition for CARTERET COMMUNITY COLLEGE courses is waived. Students **WILL** be required to pay a **\$9.25 student fee** and **WILL be required to purchase textbook(s)** from the Carteret Community College Bookstore that may average as much as \$100 for each course.
- **ATTENDANCE/CALENDAR** – Students must follow Carteret Community College's attendance policy that states a student must be present for 80% of the scheduled class hours. Carteret Community College will drop students from a course for attendance policy violations, resulting in a grade of "F". For Carteret Community College courses, students follow the college's calendar (start and ending dates, holidays, etc.)
- **FINAL GRADE** – Students will be issued a final grade at the end of the semester by Carteret Community College; it will be recorded on both the student's college transcript and the high school transcript and will compute in the student's high school and college GPA. Six weeks grades will not be given; it is the student's responsibility to track his/her own progress throughout the course.
- **ACCOMMODATIONS** – In order to receive accommodations at Carteret Community College, the student must make the college aware of his/her needs and provide copies of the latest psychological evaluation.
- If you have questions regarding the procedure for enrolling in courses at Carteret Community College, please contact your high school's Counseling Office

College/University Dual Enrollment Courses – TUITION FREE
All courses carry 1 unit of CCS credit unless otherwise specified
The following courses have no associated tuition charges.
Students are responsible for their textbook, and all student activity fees
associated with each course.

Course Number	Associate Degree Courses	Level
ALL CCC computer-related courses have a pre-requisite of Computer Apps. II in order to receive dual credit		
6499UO	CIS 115 Intro Programming/Logic	Standard
6499U1	CSC 151 Java Programming	Standard
6499U4	CTS 120 Hardware Software Support	Standard
6499UB	DBA 110 Database Concepts	Standard
6499U3	NET 110 Networking Concepts	Standard
6499UA	NOS 110 Operating System Concepts	Standard
6499U5	NOS 130 Windows Single User	Standard
6499U6	SEC 110 Security Concepts	Standard
6499UC	WEB 110 Internet/Web Fundamentals	Standard
6499U7	WEB 111 Intro to Web Graphics	Standard
6499U8	WEB 115 Web Markup and Scripting	Standard
6499U2	WEB 120 Intro Internet Multimedia	Standard
6499U9	WEB 140 Web Development Tools	Standard
EDU 119 has a pre-requisite of Early Childhood I at WC or CHS in order to receive dual credit *NEW – all students will have to successfully complete the Reading and English portion on the COMPASS placement test at CCC in order to enroll in this course. EDU119 also has an internship component.		

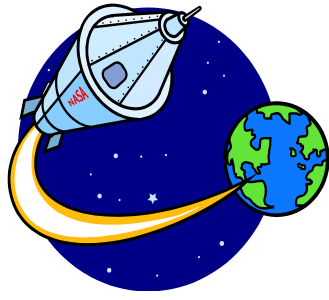
Students enrolled in this course will have to successfully pass a background check prior to working in a child care center.			
7099U0	EDU 119 Early Childhood Education II	Standard	
Criminal Justice courses have no high school pre-requisites at this time.			
7899U1	CJC 111 Intro. To Criminal Justice	Standard	
7099U4	CJC 113 Juvenile Justice	Standard	
7099U5	CJC 112 Criminology	Standard	
7899U2	CJC 141 Corrections	Standard	
7099U6	CJC 213 Substance Abuse	Standard	
ALL CCC Culinary courses have a pre-requisite of Foods II with ServSafe certification			
7099U7	HRM 125 Hospitality Etiquette	Standard	
7099UA	CUL 112 Nutrition for Food Service	Standard	
7099UB	CUL 140 Basic Culinary Skills	Standard	
7099UC	CUL 150 Food Science	Standard	
7099UD	CUL 160 Baking I	Standard	
7099UE	CUL 170 Garde Manger I	Standard	
Cosmetology Courses have no high school pre-requisites at this time.			
7099UC1	Cosmetology I (1 st sem. Cos. student)	COS. I, II, III & IV will each carry 1.5 units of credit and require a 2 period release (pds. 3 & 4)	Standard
7099UC2	Cosmetology II (2 nd sem. Cos. student)		Standard
7099UC3	Cosmetology III (3 rd sem. Cos. student)		Standard
7099UC4	Cosmetology IV (4 th sem. Cos. student)		Standard
All Health Careers Pathway courses carry a pre or co-requisite of Chemistry and Anatomy/Physiology (or Biology II) in order to receive dual credit and be released from school 1 period.			
7399UC	EMS 110EMT – Basic	Standard	
7399UD	EMS 140Rescue Scene Mgt.	Standard	
7399UE	EMS 150Emergency Vehicles	Standard	
7399UM1	MED 121Medical Terminology I	Standard	
7399UM2	MED 122Medical Terminology II	Standard	
7399UH	CNA I Nurse Aide I	Standard	
Interior Design – These courses carry a pre-requisite of Housing & Interiors II offered at CHS			
7099U1	DES 125 Graphic Presentation I	Standard	
7099U2	DES 126 Graphic Presentation II	Standard	
7099U3	DES 255 History of Interiors & Furniture I	Standard	
Marine Technology			
7899UF	MPS101 Introduction to Outboards (Marine Propulsion)	Standard	
7899UE	MPS102 Outboard Powerhead Systems (Marine Propulsion)	Standard	
7899UH	MPS103 Outboard Lower Unit Systems (Marine Propulsion)	Standard	
7899UA	BMS110 Introduction to Marine Woodworking (Boat Mfg.)	Standard	
7899UB	BMS111 Marine Joinery (Boat Mfg.)	Standard	
7899UD	BMS117 Marine Spray Finishing (Boat Mfg.)	Standard	
7899UC	BMS114 Introduction to Composites (Boat Mfg.)	Standard	
7899UG	BMS115Tooling/Mold Construction	Standard	
CCC Academic/Honors Courses – FREE tuition for students			
6499I0	ACC120 Principles of Financial Accounting	Honors	
3070I0	AST 111/111A Descriptive Astronomy (plus lab)	Honors	
3028I0	BIO 120 Introductory Botany (plus lab)	Honors	
3028I1	BIO 130 Introductory Zoology (plus lab)	Honors	
3999I0	BIO 140/140A Environmental Biology (plus lab)	Honors	
3999I3	BIO 155 Nutrition	Honors	
BIO 163, 168, and 169 have a pre-requisite of Anatomy & Phys. or Bio II in order to receive dual credit and be released from high school 1 period. (Part of the HSP program)			
3023I1	BIO 163 Basic Anatomy & Physiology	Honors	
3023I0	BIO 168 Anatomy & Physiology I	Honors	

3023I2	BIO 169 Anatomy & Physiology II	Honors
3044I0	BIO 243 Marine Biology (plus lab)	Honors
3030I0	BIO 275 Microbiology (plus lab)	Honors
3050I0	CHM 151 General Chemistry I (plus lab)	Honors
3050I1	CHM 152 General Chemistry II (plus lab)	Honors
3999I4	CHM 251 Organic Chemistry I (plus lab)	Honors
3999I5	CHM 252 Organic Chemistry II (plus lab)	Honors
1999I1	EDU 216 Foundations in Education	Honors
3040I0	GEL 111 Introduction to Geology (plus lab)	Honors
3040I1	GEL 120 Physical Geology (plus lab)	Honors
2498I0	MAT 272 Calculus II	Honors
2499I0	MAT 273 Calculus III	Honors
3999I7	PHY110 Conceptual Physics	Honors

CCC COURSES REQUIRING STUDENT-PAID TUITION

Go to www.carteret.edu for tuition and fee information

4070I0	ANT 210 General Anthropology	Honors
3999I6	ANT 220 Cultural Anthropology	Honors
3999I2	ANT 221 Comparative Cultures	Honors
5460I0	ART 111 Art Appreciation (for non-art majors)	Honors
5449I0	ART 114 Art History Survey I (for art majors)	Honors
5999I0	ART 115 Art History Survey II (for art majors)	Honors
4055I0	ECO 251 Principles of Microeconomics	Honors
4054I0	ECO 252 Principles of Macroeconomics	Honors
1025I0	ENG 111 Expository Writing	Honors
4999IC	GEO111 World Regional Geography	Honors
5220I0	MUS 110 Music Appreciation	Honors
5284I0	MUS 112 Introduction to Jazz	Honors
5284I1	MUS 113 American Music	Honors
9575I1	PHI 230 Introduction to Logic	Honors
4999IF	PHI 240 Introduction to Ethics	Honors
4042I0	POL 120 American Government	Honors
4999ID	POL 130 State and Local Government	Honors
4006I0	POL 220 International Relations	Honors
4080I0	PSY 150 General Psychology	Honors
9575I3	PSY 241 Developmental Psychology	Honors
4999IB	PSY 281 Abnormal Psychology	Honors
4065I0	REL 110 World Religions	Honors
4025K0	REL 211 Introduction to Old Testament	Honors
4025L0	REL 212 Introduction to New Testament	Honors
4060I0	SOC 210 Intro to Sociology	Honors



Engineering Technologies



Join the Pathway to Engineering Through Project Lead the Way®

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available at
ECHS and
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Do you enjoy hands-on, real-world projects?
Do you like solving issues relevant to everyday life?
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Ever thought about preparing for a high wage career?
Then *Project Lead the Way®* courses are for you!

Project Lead the Way® is a hands-on, project based, problem-solving approach to learning. PLTW® is a pre-engineering program offered to Carteret County Schools' students at West Carteret High School. This program is open also to students at CHS and ECHS. Three additional courses will be added to the program over the next 3 years (see page 38 for additional courses.) Students with PLTW background will be fully prepared to enter a 4-year University bachelor's program or a 2-year Engineering Technician education program.

The first course Introduction to Engineering Design, will include the following topics:

- Principles, elements, and processes of Engineering Design.
- Sketching, modeling and visualization
- Assembly models
- Drawings and dimensioning (freehand and computer-based)
- Planning a product, packaging, marketing, and presentation
- Career opportunities in Engineering

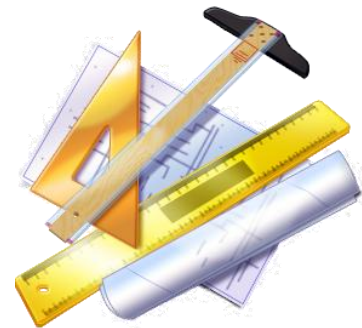
Students may contract within the first 10 days of class to receive honors credit.

Program Highlights Include:

- Working with Fleet Readiness Center at Cherry Point in summer internships
- Participating in competitions with other schools
- Connecting with ECU and NCSU Schools of Engineering and Craven Community College IAT School for admission to a degree program.

PLTW Facts:

- West Carteret High School served 40 students during the 2009-2010 school year in PLTW
- Students at WC took either standard or Honors level Introduction to Engineering Design
- WC will offer the 2nd level course Principles of Engineering in 2010-2011



Talk to your counselor during pre-registration for more information on PLTW and to sign up for ***Introduction To Engineering Design***