

Course Catalog 2015-16



Northeastern High School

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http://www.edline.net/pages/Northeastern_High_School

NORTHEASTERN HIGH SCHOOL

SCHOOL BOARD MEMBERS

Barry Overman (Chairman)
Virginia Houston (Vice Chairman)
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CENTRAL ADMINISTRATION

Linwood WilliamsSuperintendent
Frank HeathAssistant Superintendent for Curriculum and Instruction
Dianne Meiggs.....Assistant Superintendent for Personnel/Auxiliary Services

NORTHEASTERN HIGH SCHOOL ADMINISTRATION

Principal: Ron Payne
Assistant Principals: Jennifer Hawkins
Linda Davis
Instructional Specialist: Bert Lane

The Elizabeth City-Pasquotank County Schools are committed to equality of educational opportunity. All educational programs are available to all students without regard to race, color, gender, religion, age, national origin or disabling conditions.

The Assistant Superintendent for Personnel/Auxiliary Services is the designated official to handle grievances concerning civil rights. Any grievance or complaint should be addressed to the following:

Assistant Superintendent for Personnel/Auxiliary Services
Elizabeth City-Pasquotank County Schools
P.O. Box 2247
Elizabeth City, NC 27906-2247

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Northeastern High School Mission, Vision, and Goals

MISSION

Rigor: We need to increase rigor **Relevant:** We need to make our lessons relevant **Relationships:** We need to establish meaningful relationships
Technology: We need to integrate technology into our teaching

VISION STATEMENT

Building lifelong learners through rigor, relevance and relationships using 21st century skills

GOALS

- Develop a clear focus on students and on the quality of the work designed for them – work that students find interesting, challenging, and satisfying and that result in their learning what is expected by schools, parents, and the community.
- Develop among key community and school system leaders a common understanding of the nature of the opportunities and problems that confront the school system.
- Establish new structures (rules, roles, and relationships) that encourage and invite collaboration among and between staff in departments, schools, classrooms, and the broad community.
- Provide social and political support to those who are committed to the district's direction and seek to widen support to all members of the community.
- Develop a policy environment and a management system that fosters flexibility and rapid response.

STUDENT SUPPORT SERVICES

STUDENT SERVICES MISSION STATEMENT

Our mission is to provide services that ensure an opportunity for all students to learn and develop to their fullest potential in response to the identified needs, goals and objectives of the school and the community.

GUIDANCE AND COUNSELING SERVICES

It is the goal of Northeastern High School to encourage students to become active learners and responsible, well-rounded citizens. The office of student services offers a comprehensive counseling program to meet the needs of our students academically, socially and personally.

COUNSELOR ASSIGNMENTS FOR 2015-16

Each counselor is assigned students based on the first letter of the student's last name. This provides each counselor with the opportunity to work with students in each grade level over a four-year period.

Students A – K: Marvolene Mouzan

Students L – Z: Margie Lane

Student Advocate: LaToya Sisson

Student Services Secretary: GeorgeAnn Carmichael

SCHEDULING

The counselors strive to meet the unique needs of each student by careful placement in courses commensurate with abilities and interests. Teacher recommendations, grades, and parent and student input are used to make the most accurate placement possible. **Parents and students are to be aware that any schedule changes at the beginning of each semester will be made only in cases that demonstrate a compelling educational need.** There is a 10 day drop/ add period at the beginning of each semester. No changes can be made after the drop/ add period. Each counselor will meet with their students during the spring semester to establish a schedule for the following year. This meeting will include transcript evaluation, career cluster review, and discussion of college/career plans. **Once the semester begins, schedule changes will be available for the first ten days of the semester only if they are absolutely necessary.**

COUNSELING

Confidential counseling sessions are available for students who have personal/social concerns. The school has the services of a Student Advocate to assist students in need of additional academic help. Counselors are members of the Student Assistance Team (SAT), a committee designed to promote and assist students in their educational and emotional adjustments. The success of our students is a cooperative effort between home and school. The school staff encourages parents to participate in their child's high school career. Parents are invited to contact the Student Services office with any concerns and to take advantage of all the services offered.

STUDENT SERVICES BULLETIN

An updated Students Services Bulletin is available through the Student Services Department monthly. This bulletin is a comprehensive list of local scholarships, ACT and SAT testing information, and other important senior information. This monthly bulletin is available in the Student Services Office and on the Student Services web page. Several informative websites will help in researching **scholarships** and **financial aid** and may be linked to from our student services page on the NHS website.

INSTRUCTIONAL SPECIALIST

Northeastern High School is fortunate to have as part of its professional staff an instructional specialist. The Instructional Specialist may model or co-teach lessons in various disciplines and provide help and support to new teachers. Instructional Specialists plan, organize and implement staff development and monitor ongoing programs/projects. The Instructional Specialist serves on committees that benefit the teachers and school at both the school and district levels. The role is to assist the school and teachers in any way that will help teachers grow professionally. The instructional specialist writes/implements grants and seeks supplies, materials and monies to provide students and staff with increased educational opportunities.

NHS CAREER DEVELOPMENT CENTER

The Career Development Center is designed to provide up-to-date and current resources for students in locating, evaluating, and using career information and to acquire the knowledge, skills, and attitudes they need to make valid career decisions. The Career Counselor helps students to acquire skills in self-assessment, career planning and employability skills. Parents and students are also urged to take full advantage of the resources in the Career Development Center.

GRADUATION REQUIREMENTS FOR FRESHMEN ENTERING 2015-16

The North Carolina State Board of Education has approved a Future Ready Core Course of Study that will prepare all students for careers and college learning in the 21st century. The Future-Ready Core will help ensure that students graduate with the academic foundation they need for success in the global economy. Below is a list of NCDPI and local options necessary for graduation.

North Carolina Graduation Requirements for students entering 9th grade in 2012-13 and beyond:

CONTENT AREA	FUTURE-READY CORE
English	4 Credits
Mathematics	4 Credits
Science	3 Credits
Social Studies	4 Credits
Second Language	Not required for graduation, but required for admission to the UNC System
Health and Physical Education	1 Credit
Electives	6 Credits
Career Technical	2 elective credits of any combination from either: Career and Technical Education (CTE), Arts Education or Second Languages
JROTC	
Arts Education	4 electives credits strongly recommended (four course concentration) from one of the following: CTE, ROTC, Arts Education or any other subject area
Completion of CPR	This requirement will be met through the Health and Physical Education course
Total	28 Credits

FUTURE-READY CORE GRADUATION REQUIREMENTS FOR 2012-13 & BEYOND		
CONTENT AREA	COURSE OF STUDY REQUIREMENTS	OCCUPATIONAL COURSE OF STUDY
ENGLISH	4 Credits -English I, II, III, IV	4 Credits -OCS English I, II, III, IV
MATH	4 Credits -Math I, Math II, Math III, Advanced Math Course	3 Credits -OCS Introduction to Mathematics, OCS Math I, OCS Financial Management
SCIENCE	3 Credits -Earth & Environmental Science, Biology, Physical Science (Chemistry may replace Phys. Science)	2 Credits -OCS Applied Science, OCS Biology
SOCIAL STUDIES	4 Credits -World History, Civics & Economics, American History I & II (AP US History may replace American History I & II)	2 Credits -OCS Social Studies I (Government/US History), OCS Social Studies II (Self-Advocacy/ Problem Solving)
WORLD LANGUAGES	Not required for high school graduation. A two-credit minimum is required for admission to a university in the UNC system.	No Requirement
HEALTH AND PE	1 Credit -Health and PE	1 Credit -Health and PE
ELECTIVES	6 Credits -4 Credits in the <u>same</u> elective area are highly recommended (Art, Music, ROTC, CTE Cluster)	6 Credits -OCS Preparation I ,II, III, IV and completion of IEP objectives/Career Portfolio required
CAREER/TECHNICAL	No Requirement but Career Cluster Strongly Recommended	4 Credits -Career/Technical Education electives
ARTS EDUCATION	No Requirement	1 Credit recommended
TOTAL	28 Credits (local requirement of 28 to graduate)	28 Credits

GRADING SYSTEM

A	90-100	Superior
B	80-89	Above Average
C	70-79	Average
D	60-69	Below Average
F	59 and below	Failing

Transfer Students/Transcripts from Other Schools

Grades and credits for students who are transferring to Northeastern High School will be honored. Courses for which there is no equivalent at Northeastern High School will be considered as electives for the purposes of graduation and credit received duly recorded.

Transfer Students and the Concentrated Curriculum

Students who transfer to Northeastern High School from a school system that is not on a concentrated semester schedule will be placed in the most appropriate courses compatible with their schedule from their former school. The time of entrance of the student is of critical importance since the hours involved in the concentrated courses are greater than a 55-minute class period. Each transfer student will be handled individually since the times of enrollment and the courses involved will vary.

Home School Information

North Carolina law defines a home school as a non-public school which the student receives instruction from his/her parent, or legal guardian. The North Carolina Division of Non-Public Education is authorized by state law to receive home school notices of intent to begin initial operation, terminate operation, and annually inspects school attendance and nationally standardized achievement test result records. Additional information regarding home school education can be located at www.ncdpi.org Please keep the following information in mind:

- Transfer and acceptance of secondary home school credits are at the discretion of the high school principal.
- Additional info may be required in order to award credit in core area subjects (i.e. English, math, science and social studies). If credit in the core area subject is denied, then an elective credit is usually awarded.
- All home school credits are reflected on the North Carolina Standardized Transcript as a “P” for passing. The student’s grade point average begins with his or her grades at Northeastern High School.
- Home school students are not eligible to participate in interscholastic athletics.

GPA Quality Points

Honors and AP and dual enrollment College/University courses taken will be given additional quality points for successful completion of the courses: Honor level courses will receive an additional .5 quality point. AP and college/university courses will receive an (1) additional quality point for successful completion of the approved courses. These additional quality points will be calculated in the weighted GPA.

THE NORTH CAROLINA TESTING PROGRAM

The READY Accountability Model, an accountability plan that has replaced the ABC's, provides data on school growth, current year school performance, and school performance on progress targets which includes the federally-required Annual Measurable Objectives (AMOs). This includes data from English II, Math I, and Biology End-of-Course tests.

NORTH CAROLINA END-OF-COURSE TESTS, NC FINAL EXAMS, AND CTE EXAMS

The North Carolina End-of-Course tests are high school subject area tests designed to provide information about each student's performance relative to that of other students in North Carolina and about school and school system achievement on the subject area goals and objectives specified in the Common Core and NC Essential Standards. End-of-Course tests in English II, Math I, and Biology will be administered. North Carolina Final Exams will be offered in every academic subject area except foundational math courses. State mandated final exams are also administered for all Career Technical Education courses. **All End-of-Course tests, NC Final Exams, and Career Technical Education exams and teacher made exams constitute 25% of a student's final course grade.**

ACT & SAT TESTING

ACT TESTING PROGRAM

Beginning in 2011-2012, students will take the PLAN (10th), the ACT (11th), and the Work Keys (12th) as part of the North Carolina Testing Program. The ACT is a widely used college readiness test. The ACT has five sections: English, Math, Reading, Science, and Writing.

SAT TESTING PROGRAM

The SAT is an optional test nationally administered by the College Entrance Examination Board (CEEB). It assesses students in three areas: Critical Reading, Math, and Writing. The SAT is one of the college readiness admissions tests used by postsecondary institutions to assist in selecting students.

Most four-year colleges and universities require ACT or SAT test scores as part of their admissions requirements. **All North Carolina colleges and universities accept scores from the ACT and SAT.** Community colleges do not require ACT or SAT scores but may use the scores for placement test purposes.

SPECIAL INFORMATION AND PROGRAMS

Achievement Lab

The ACL lab located on the campus of NHS provides tutoring and remediation for all students. This well established center is opened daily during the school day. Teachers can also schedule the lab during the school day. The ACL lab focuses on EOC remediation and credit recovery for students who have failed a course two times. The lab offers extended hours during critical times throughout the school year.

Media Center

In today's information age an individual's success depends largely on the ability to access, evaluate, and utilize data from a variety of informational resources. The goal of the media center is to provide access to a wide range of print, non-print and electronic resources to teach the skills that will enable our students to solve information problems and communicate ideas. Locating, evaluating and interpreting material is taught by the media specialist within the context of assignments given by the content teacher during scheduled classes and by individualized instruction throughout the day. The media center operates on a flexible schedule allowing maximum usage by classes or individuals throughout the school day. Student media assistants are available during all periods and are very useful in helping faculty and staff after they have completed their media task. The media center resources supports the curriculum and instructional program of the school. In order to serve all the students and faculty, state approved selection guides are reviewed before print and electronic materials are purchased. By providing a rich collection of print and non-print materials, the media program plays an essential part in the total educational process that prepares our students to become responsible citizens in a changing global society.

Athletic Eligibility

Northeastern High School students who wish to participate in fall sports in 2014 must have passed three (3) of four (4) classes of the previous semester and be promoted to the next grade level. To participate in spring sports in 2015, a student must have passed three (3) of four (4) courses the preceding semester. Students must have been in attendance at least 85 percent of the previous semester to meet eligibility. All students must also meet local promotion standards set by the Elizabeth City-Pasquotank County School Board.

Driving Eligibility Requirements

North Carolina House Bill I769 and G.S. 20 II require the revocation of a student's driving permit or license if the student is unable to maintain adequate academic progress or drops out of school. This law applies to all North Carolina students under the age of 18 who are eligible for a driving permit or license. A student must obtain a Driving Eligibility Certificate in addition to the Drivers Education Certificate in order to be eligible to receive a license or permit. The Driving Eligibility Certificate will only be issued to students who are making adequate academic progress. **Adequate academic progress is defined as having passed at least 70% of the required coursework during the previous semester (i.e., passing 3 of 4 courses).** Students who do not continue to meet these criteria will be reported to the Division of Motor Vehicles and will have their permit or license revoked.

Dual Enrollment at Post-Secondary Institutions

Any student who is interested in dually enrolling at a postsecondary institution (beyond high school) should see a high school counselor for information regarding policies and procedures for completing a dual enrollment form. Prior approval of any enrollment in a college course is necessary before credit is given on a student's transcript.

Criteria for Dual Enrollment:

1. Has achieved a level of academic success (3.0) and is recommended by the high school principal or designee.
2. Meets all exiting postsecondary school admissions criteria and all prerequisite requirements for courses.
3. Has permission to register for a postsecondary course from parent or guardian.

Co-Curricular and Extra-Curricular Activities

Northeastern High School sponsors a variety of co-curricular activities comprising such organizations as the Future Farmers of America, Future Business Leaders of America, Fellowship of Christian Athletes and many more. Students can participate in one or more sports teams throughout the fall, winter, and spring seasons. There are a variety of athletic teams in which students may participate; football, basketball, track, swimming, tennis, cheerleading, and other sports are available.

NCAA Clearinghouse

All students who wish to participate in college athletics at the Division I or Division II level must be determined to be academically eligible through the NCAA Clearinghouse. This is accomplished by meeting certain academic standards as well as the standards on nationwide tests such as the SAT. Parents of students with aspirations for college athletics should be working closely with the Student Services counselor beginning in ninth grade. Close cooperation between the students and his/her counselor is especially important regarding the selection of courses during the scheduling process.

Academic Course Waivers

PLEASE NOTE: If a student does not meet the prerequisites for a course, the parent/guardians will be required to sign a waiver in order for the student to take the course. **This waiver will be contingent upon Principal approval and space availability.** Students who do not meet appropriate prerequisites should meet with a counselor to review course options and career clusters.

Early Graduation

Students may graduate early provided that the student has met the requirements of the Elizabeth City - Pasquotank Public Schools School Board requirement of 28 credits. During the spring registration process, juniors will be given an opportunity to indicate their desire to graduate early. Students who qualify according to graduation requirements will be required to get parent permission on the Early Graduation Form before their senior schedule will be arranged to complete their coursework in the fall semester.

Pasquotank County High School Courses

Students who take classes offered only at Pasquotank County High School must provide their own transportation to PCHS and back to NHS. Students must register for courses during the registration process in the spring. Students may lose a credit due to travel time and scheduling differences between Northeastern and Pasquotank.

North Carolina Academic Scholars Program

Students who complete the requirements for an academically challenging high school program will be named North Carolina Academic Scholars and receive special recognition on their diploma and during the commencement ceremony. Please see the chart on the next page which details academic requirements.

The students who qualify for this special recognition:

- will be designated by the State Board of Education as North Carolina Academic Scholars.
- will receive a seal of recognition attached to their diplomas.
- may receive special recognition at graduation exercises and other community events.
- may be considered for scholarships from the local and state business/industrial community.
- may use this special recognition in applying to post-secondary institutions. (Candidates are identified by the end of grade 11 and their candidacy can be included in application forms sent to these institutions.)

NORTH CAROLINA ACADEMIC SCHOLARS PROGRAM

Requirements

Students must::

- Begin planning for the program before entering grade 9 to ensure they obtain the most flexibility in their courses.
- Complete all the requirements of this North Carolina Academic Scholars Program.
- Have an overall four-year unweighted grade point average of 3.5.
- Complete all the requirements for a North Carolina high school diploma.

Credits	The following must designated number of credits per subject area listed below <u>must</u> be taken in grades 9-12.
4	English Language Arts I, II, III, IV
4	Mathematics (Math I, Math II, Math III, and a higher level math course with Math III as a prerequisite OR Integrated Mathematics I, II, III, and a higher level mathematics course with Integrated Mathematics III as prerequisite)
3	Science (a Physics or Chemistry course, Biology, and an Earth/Environmental Science course)
4	Social Studies (World History, Civics/Economics, and American History I & II)
2	Languages other than English (two credits of the same language)
1	Health and Physical Education
4	Four (4) elective credits constituting a concentration recommended from one of the following: Career and Technical Education (CTE), JROTC, Arts Education, Second Languages, or any other subject area.
3	Higher level courses taken during junior and/or senior years which carry 4.5 or 5 quality points such as: -AP -IB -Dual or college equivalent course -Advanced CTE/CTE credentialing courses -On-line courses -Other honors or above designated
25	

English

Course Offerings:

English I/Honors English I
English II/Honors English II
English III/Honors English III/AP English III
English IV/Honors English IV/AP English IV

Student placement is based upon previous performance data. In the case of AP Courses, the established criteria must be met as well. Please pay close attention to course prerequisites.

HONORS ENGLISH I

Credit 1.0

Honors English I is a survey course that covers a variety of genres as well as literature from various areas of the world. Grammar and writing skills are taught throughout. This course is reading, writing and homework intensive.

Prerequisites: 93 or above in 8th grade Communication Skills class, a teacher recommendation and completion of summer reading assignment

ENGLISH I

Credit 1.0

English I is a survey course that covers a variety of genres as well as literature from various areas of the world. Grammar and writing skills are taught throughout.

Prerequisites:

None

HONORS ENGLISH II

Credit 1.0

As the second step in the honors level program, this course is a survey of literary genre and world literature. Students in this course should expect to develop habits of reflective thinking through reading and discussion of challenging literature. Writing and research are central to this course. In addition the course emphasizes the broad theme of cultural self-discovery in the context of world literature.

Prerequisites: A grade of 85 or higher in Honors English I or 93 in English I and completion of summer reading assignments

ENGLISH II

Credit 1.0

Students will study World literature with emphasis on understanding the concept of literary genre, reading comprehension, vocabulary, and reading appreciation. Writing skills are emphasized through expository essays and research. This course is geared toward a NC EOC which will culminate in a cause/effect or definition essay.

Prerequisites: English I

AP ENGLISH III

Credit 2.0

Advanced Placement English Language and Composition -- AP English III is a course designed on the college level to enable students to Receive college credit by achieving a grade of 3 or higher on the AP Exam taken in May. Each student is responsible for checking his/her university's credit requirements. It is designed to be writing intensive through critical analysis of language and style. Please note that this course is only offered in the spring. **Students must take the AP Exam.** One additional quality point is awarded for the successful completion of this course.

Prerequisite: A grade of 90 or higher in Honors English II and completion of summer reading assignments. (Student must meet both prerequisites.)

HONORS ENGLISH III

Credit 1.0

This course is a survey course of American literature. Using a historical approach to literature, students will examine, in depth, each literary movement, and reflect on the social conditions of the period. The writing component emphasizes literary criticism, grammar, and research skills. Students who take this course should be self-motivated and have a strong desire to read and analyze. Research skills will be reinforced and a junior research paper is required.

Prerequisites: An 85 or higher in Honors English II or a 93 or higher in English II and completion of summer reading assignments

ENGLISH III

Credit 1.0

Students in this course will be exposed to American authors representing the four major genres: non-fiction, fiction, plays and poetry. From Colonialism to Modernism, students experience and discover the literary trends that have been major forces in the development of not only literature, but also of the development of the multi-cultural heritage that has created America today. Students will write in the expository style, reinforce research skills, and practice the MLA style of research documentation. A junior research paper is required.

Prerequisites: English II

AP ENGLISH IV

Credit 2.0

Advanced Placement Literature and Composition is a course designed on the college level to enable students to receive college credit by achieving a grade of 3 or higher on the AP Exam taken in May. Each student is responsible for checking his/her university's credit requirements. It is designed to be writing intensive through critical analysis of literature. Please note this course is only offered in the spring. **Students are required to take the AP Exam.**

Prerequisites: A grade of 90 or higher in Honors English III and completion of summer reading assignments. (Student must meet both prerequisites.)

HONORS ENGLISH IV

Credit 1.0

Honors English IV is the study of British literature. The student's creative and interpretive skills are challenged and research skills are refined. Students' critical thinking skills are challenged through the writing of essays and accessing of information.

Prerequisites: A grade of 85 or higher in Honors English III or a 93 in English III and completion of summer reading requirements

ENGLISH IV

Credit 1.0

British literature is the focus of this course. Students will review and reinforce selected literary genre, composition skills, grammar, and vocabulary. Students will also complete the research component of the Graduation Project in the English IV class.

Prerequisites: English III

Social Studies

Course Offerings:

World History/ Honors World History
Founding Principles, Civics and Economics/Honors Founding Principles, Civics and Economics
American History I/Honors American History I
American History II/Honors American History II
AP American History (I and II)

The Social Studies Program strives to improve each student's awareness of their culture, history, and world around them, as well as to develop their reading, writing, speaking, research, and listening skills. A high school World History, Economic, Legal & Political Systems, and US History course must be taken and passed in order to graduate.

HONORS WORLD HISTORY

Credit 1.0

Grade Level: 9

This course focuses on the recurring themes of human experience common to civilizations around the globe from ancient to contemporary times. The application of the themes of geography and an analysis of the cultural traits of civilizations will help students understand how people shape their world and how their world shapes them. Students are expected to keep up with current events, write essays, conduct research, and complete a major project each nine weeks. The course is reading, writing and homework intensive.

Prerequisite: , 93 or higher in 8th grade Communication Skills class, and teacher recommendation

WORLD HISTORY

Credit 1.0

Grade Level: 9

This course covers themes from ancient to contemporary times. Students examine the historical roots of significant events, ideas, movements, and phenomena. Students broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by issues such as war and peace, internal stability and strife, and the development of institutions.

Prerequisite: None

HONORS FOUNDING PRINCIPLES, CIVIC AND ECONOMICS

Credit 1.0

Grade Level: 10

This course provides an intensive study of America's economic, legal, and political systems with a comparative focus on international communities. This course is research intensive.

Prerequisite: A grade of 85 or above in Honors World History or 93 in World History

FOUNDING PRINCIPLES, CIVICS AND ECONOMICS

Credit 1.0

Grade Level: 10

This course provides an intensive study of civics and economics that affect student's lives as consumers and citizens. Students will acquire the skill and knowledge necessary to become responsible and effective citizens in an interdependent world. Students receive enhanced

academic support as needed. Students must achieve a Level III or above on the End of Course state test for this course in order to meet graduation requirements.

Prerequisite: World History

HONORS AMERICAN HISTORY I & II

Credit 2.0

Grade Level: 11

This course is an intensive study of United States History from the colonial period to the present. Required assignments include position papers, book reviews, research papers, one major project per marking period, and other college preparatory assignments. .5 additional quality point is awarded for the successful completion of each honors course.

Prerequisite: A grade of 85 or above in Honors Founding Principles, Civics and Economics or 93 in Founding Principles, Civics and Economics

AMERICAN HISTORY I & II

Credit 2.0

Grade Level: 11

These courses cover a traditional survey of American history from the colonial period to the present. Emphasis is placed on skill development and the development of basic historical concepts. This course requires students to prepare some position papers, write a research paper, and at least one major project per marking period.

Prerequisite: Civics and Economics

AP U.S. HISTORY (American History I and II)

Credit 2.0

Grade Level: 11-12

This course examines critical issues in American history from the Colonial Era to the present such as race relations, ethnic tensions, conflict (both domestic and foreign), management-worker relations, the role of government in the economy and the lives of its citizens, and the meaning of democracy. Students are expected to analyze and critically review a variety of materials including texts, print and non-print primary sources, and interpretive readings. Emphasis is placed on developing writing and rhetoric skills. Students will take the AP exam in May and may receive college credit by achieving a score of 3 or higher.

Prerequisite: 90 or higher in Honors Founding Principles, Civics and Economics

Mathematics

Course Offerings:

Math I
Math II/ Honors Math II
Math III/Honors Math III
Advanced Functions and Modeling
Essentials for College Math(SREB)
Honors Pre Calculus
Honors Discrete Math
AP Statistics
AP Calculus (AB)

The Math I End of Course test is a state requirement for all students receiving a high school diploma. It is taken upon completion of Math I. All students should own a graphing calculator such as the Texas Instrument 83 or higher for Math I and the other higher-level courses. All rising ninth grade students receive counseling and have a recommended course of study provided for them by their teacher using the following criteria: 1) grade in their current math course 2) teacher recommendation. To be considered an 11th grade students Math I must be successfully completed by the end on the 10th grade.

MATH I

Credit 1.0

Grade Level: 9

Math I provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting & building simple functions, expressing geometric properties & interpreting categorical & quantitative data.

Prerequisite: none

HONORS MATH II

Credit 1.0

Grade Level: 9-10

This course includes all topics found in Math II but explores them in more depth and at a faster pace.

Prerequisite: 93 or higher in Math I. (A TI-83 or higher graphing calculator is needed for this course.)

MATH II

Credit 1.0

Grade Level: 10-12

Math II continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.

Prerequisite: Math I. (A TI-83 or higher graphing calculator is needed for this course.)

HONORS MATH III

Credit 1.0

Grade Level: 10-11

This course includes all topics found in Math II but explores them in *more depth and at a faster pace*.

Prerequisite: A grade of 85 or higher in Honors Math II or a 93 or higher in Math II. (A TI-83 or higher graphing calculator is needed.)

MATH III

Credit 1.0

Grade Level: 11

Math III progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.

Prerequisite: Math II. (A TI-83 or higher graphing calculator is needed.)

ESSENTIAL SKILLS FOR COLLEGE MATH (SREB)

Grade Level: 12

Credit 1.0

This course emphasizes understanding of math concepts and the context behind mathematical procedures rather than just memorizing procedures. This equips students with higher-order thinking to apply math skills, functions and concepts in different situations. This course is appropriate for students entering community colleges, technical schools, and most private four-year institutions. **However this course is NOT designed to prepare students for college-level math for the UNC system institutions or college-level STEM majors.**

Prerequisite: A grade of 77 or higher in Math III. (A TI-83 or higher graphing calculator is recommended.)

ADVANCED FUNCTIONS AND MODELING

Credit 1.0

Grade Level: 11-12

Advanced Functions and Modeling provides students an in-depth study of modeling and applying functions. Home, work, 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. This course is appropriate for students planning to attend UNC system institutions, private four-year institutions, and community colleges.

Prerequisite: A grade of 77 or higher in Math III. (A TI-83 or higher graphing calculator is recommended.)

HONORS PRE-CALCULUS

Credit 1.0

Grade Level: 11-12

Pre-Calculus is a prerequisite for Honors Calculus and AP Calculus. Various topics of college Math are introduced and explored. Analytical Math II and a thorough study of trigonometry are presented. .5 additional quality point is awarded for the successful completion of this course.

Prerequisite: A grade of 85 or higher in Honors Math III or 93 or higher in Math III. (A TI-83 or higher graphing calculator is needed.)

HONORS DISCRETE MATHEMATICS

Credit 1.0

Grade Level: 11-12

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. .5 additional quality point will be given upon successful completion of this course.

Prerequisite: Advanced Functions or Honors Pre-Calculus

AP STATISTICS

Credit 2.0

Grade Level: 11-12

This course will focus on statistical inference and extend the topics of first semester to prepare students for the AP Exam. Qualifying scores on the AP Exam can result in college credit. In colleges and universities, at least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, mathematics, and business. **This course will only be taught if an instructor is available or may only be offered through NCIH.** (Please refer to NCIH description on page below) One additional quality point is awarded for successful completion of this course.

Prerequisite: A grade of 90 or higher in Honors Discrete Math

Science

Course Offerings:

Earth Environmental Science/Honors Environmental Science
Biology/Honors Biology
Physical Science
Honors Chemistry
Honors Physics

HONORS EARTH/ENVIRONMENTAL

Credit 1.0

Grade Level: 9

This freshman-level course is a survey of geology, meteorology, oceanography, astronomy, and the interaction of natural resources and the environment. This honors level course is reading, writing, and project based learning intensive. .5 additional quality point is awarded for the successful completion of this course.

Prerequisite: 93 or higher on 8th Grade Science class and a teacher recommendation

EARTH/ENVIRONMENTAL SCIENCE

Credit 1.0

Grade Level: 9

This freshman-level course is a survey of geology, meteorology, oceanography, astronomy, and the interaction of natural resources and the environment.

HONORS BIOLOGY

Credit 1.0

Grade Level: 10

This course focuses on cell biology, genetics, growth and reproduction, origins and change, and comparison of organisms. It is research intensive using project based learning and emphasizes listening and speaking skills. Basic laboratory techniques will include enzyme digestion and elementary biotechnology, microscopy, and comparative dissection. This course has an End of Course exam that is worth 25% of the course grade.

Prerequisite: 85 or higher in Honors Earth/Environmental Science or 93 or higher in Earth/Environmental Science

BIOLOGY

Credit 1.0

Grade Level: 10

This sophomore-level course focuses on cell biology, genetics, growth and reproduction. It also surveys the origin of life, the chemical composition of life, and the basic units and functions of life and living things. This course has an End-of-Course exam that is worth 25% of the course grade.

Prerequisite: Earth/Environmental Science

PHYSICAL SCIENCE

Credit 1.0

Grade Level: 11-12

This course is designed to build skills in matter and energy, chemistry, force and motion, and the electromagnetic nature of matter. This course has an NC Final exam that is worth 25% of the course grade.

Prerequisite: Biology

HONORS CHEMISTRY

Credit 1.0

Grade Level: 11-12

Honors Chemistry is an accelerated comprehensive laboratory course designed to give students a conceptual and in-depth understanding of chemistry concepts. Students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. This course is reading, writing, and homework intensive. Honors Chemistry has an End of Course exam that is worth 25% of the course grade.

Prerequisite: A grade of 85 or higher in Honors Biology or 93 in Biology and successful completion of or concurrent enrollment in Math III

HONORS PHYSICS

Credit 1.0

Grade Levels: 12

Honors Physics studies topics including force and motion, structure of matter and light and electricity. The course is reading, writing, and homework intensive. This course has an NC Final Exam that is worth 25% of the course grade.

Prerequisite: A grade of 85 or higher in Honors Chemistry and completion of Math III

Foreign Language

Two levels of the same foreign language are required for admission to the University of North Carolina institutions. Students applying to competitive college programs or those with a strong interest in languages are encouraged to continue to take the same language beyond the second level. Language courses at the third level and above are honors courses and receive an .5 quality point in computing weighted grade point averages. In the modern languages, student-centered instruction results in student proficiency in the communicative functions, vocabulary, structures, and cultural information necessary to communicate in the target language about a variety of everyday situations.

SPANISH I

Credit 1.0

Grade Level: 9-12

This is an introductory academic course in Spanish. It is designed to provide a variety of oral and written learning experiences that will develop basic proficiency in understanding, speaking, reading, and writing the language. Students will begin to grasp the cultural similarities and differences between Spanish-speaking and American cultures.

Prerequisite: None

SPANISH II

Credit 1.0

Grade Level: 10-12

This course is a continuation of Spanish I. Student's build on the base established in Spanish I by participating in a variety of proficiency-building activities to develop communication skills. These activities involve all language skills: reading, writing, speaking, and listening. Exposure to Spanish culture is expanded at this level and naturally integrated into the curriculum.

Prerequisite: Spanish I

SPANISH III HONORS

Credit 1.0

Grade Level: 11-12

This course is sequential to Spanish II. Students will use Spanish extensively. They will recycle previous vocabulary and grammatical structures and continue to build upon them in proficiency-based activities. Students should continue to become more confident in using the language. They will develop an intermediate-level understanding of Spanish cultures. One additional quality point is awarded for the successful completion of this course.

Prerequisite: 93 average or higher in Spanish II

SPANISH IV HONORS

Credit 1.0

Grade Level: 11-12

This course is sequential to Spanish III. It is reading, writing, and homework intensive and designed for the college-bound student. There is an emphasis on advanced grammar, higher-level reading, and critical thinking in the language. Students will also increase their oral and written proficiency. There will be some opportunity to focus on translation skills through literature and conversation. They will explore culture in depth. One additional quality point is awarded for the successful completion of this course.

Prerequisite: 85 or higher in Honors Spanish III

LATIN I

Credit 1.0

Grade Level: 9-12

This introductory course in Latin provides a variety of oral and written learning experiences that will develop basic proficiency in understanding, pronouncing, reading, and writing the language. Students will begin to explore how Roman culture formed a cornerstone for the cultures of modern Europe and how the Latin language provides a basis for the academic vocabulary of many fields, including law and the health sciences.

Prerequisite: None

LATIN II**Credit 1.0****Grade Level: 10-12**

This course is a continuation of Latin I. Students build on the base established in Latin I by participating in a variety of proficiency-building activities to develop vocabulary, reading skills, and an appreciation for language structure. These activities involve all language skills, but will focus mainly on reading and writing. Exposure to Roman culture is expanded at this level and naturally integrated into the curriculum.

Prerequisite: Latin I

LATIN III HONORS**Credit 1.0****Grade Level: 11-12**

This course is sequential to Latin II. Students will read Latin extensively. They will recycle previous vocabulary and grammatical structures and continue to build upon them in proficiency-based activities. Students continue to become more confident in reading, writing, and translating the language of Roman authors such as Ovid, Martial, and Virgil. They will develop an intermediate-level understanding of Roman culture. One additional quality point is awarded for the successful completion of this course.

Prerequisite: 93 average or higher in Latin II

LATIN IV HONORS**Credit 1.0****Grade Level: 11-12**

This course is sequential to Latin III. It is reading, writing, and homework intensive and designed for the college-bound student. There is an emphasis on advanced grammar, higher-level reading, and critical thinking skills regarding the language. Students will also increase their translating proficiency with a Roman author or authors. They will explore Roman culture in depth as it relates to the readings. One additional quality point is awarded for the successful completion of this course.

Prerequisite: 85 or higher in Honors Latin III

Physical Education/Health

All students are required to successfully complete 1.0 credit of Health and Physical Education. Northeastern High School's Physical Education Department recommends that students take advantage of the opportunity to earn more than 1.0 credit by selecting electives that reflect a competency-based curriculum in Healthful Living Education.

HEALTH AND PHYSICAL EDUCATION**Credit 1.0****Grade Level: 9**

This course is required for graduation. The Health portion covers: stress management, self-protection, relationships, nutrition/weight management, and substance abuse. The Physical Education portion will cover: personal fitness, and lifetime sports, (both team and individually). This course is designed to make the student aware of how physical, mental, and emotional wellness plays a role in their happiness and success in life. This class will alternate every ten school days (10 days Health and 10 Physical Education). The CPR graduation requirement will be completed in this course. **There is a dress code for this course.**

Prerequisite: None

ADVANCED PHYSICAL EDUCATION**Credit 1.0****Grade Level: 10-12**

This elective course is designed for students who wish to further participation in activities and sports related to physical fitness. Students must have taken and passed Health and P.E. in order to register for this class. **This course can be taken only once.**

Prerequisite: Health and PE

PHYSICAL TRAINING/WEIGHTS**Credit 1.0****Grade Level: 10-12**

This elective course is designed for students who are serious about improving their physical conditioning. The course is developed around lifting weights, increasing flexibility, and aerobic exercise. The curriculum requires self-motivation, self-discipline and teamwork. Due to safety issues involving the weight room equipment, students must be able to follow directions of the instructor. **This course can be taken more than once.**

Prerequisite: Health and PE

ADVANCED PE/PHYSICAL TRAINING

Credit 1.0

Grade Level: 10-12

This course is designed for advanced physical education students. Students in this class will split time between sports related activities and weight training. Daily participation will be required, as students will alternate between weight training and physical fitness.

Prerequisite: Health and PE

FEATHERWEIGHTS

Credit 1.0

Grade Level: 10-12

The main objective of this class is to provide females the knowledge, Student Services, and facilities to properly engage in strength training and sport specific training. The mental aspect of exercise will also be covered in this course. **This course can be taken more than**

once.

Prerequisite: Health and PE

Art

HUMANITIES

Credit 1.0

**Formerly Art Appreciation*

Grade level: 9-12

This is an introductory course to a person's creative use of the visual arts throughout history. Students will study the lives of great artists from the Renaissance to Post Modernism, and develop an understanding of the aesthetic merit and significance of their works. Students will learn to respond to works of art through close observation, analysis, and evaluation. Students will also demonstrate their understanding of the various art movements through studio projects.

This course DOES NOT replace Beginning Visual Arts as a prerequisite. There is a mandatory \$5.00 lab fee for this course. **Prerequisite:** None

VISUAL ARTS I

Credit

1.0

Grade level: 9-12

Beginning Visual Arts is an introductory course that teaches the fundamentals of art creation through the exploration of the elements of art and principles of designs. It affords the student the opportunity to create using various media in a studio atmosphere. Students must furnish some drawing materials. **There is a mandatory \$5.00 lab fee for this course.**

Prerequisite:

None

VISUAL ARTS INTERMEDIATE (Level II & III)

Credit 1.0

Grade level: 10-12

Level II

Intermediate Visual Arts builds on the student's technical skills and foundations of knowledge developed in Beginning Visual Arts. A greater flexible and fluent use of elements of art and principles of design, color theory, and vocabulary use is stressed. Students must furnish some art materials. **There is a mandatory \$10.00 lab fee for this course.**

Prerequisite: Beginning Visual Arts

Level III

Credit 1.0

Intermediate Visual Arts Level III builds on prior skills with a more in-depth approach to the study of art processes and techniques. Projects will be based more on concept than in previous art classes. Students will develop a personal philosophy of art. Students will be required to complete a portfolio. Students must furnish some art materials. **There is a mandatory \$10.00 lab fee for this course.**

Prerequisite: Visual Arts Level II

CERAMICS I

Credit 1.0

Grade level: 10-12

Students will explore ceramic design, history, and aesthetics with a studio emphasis. Hand building skills will be developed, vocabulary will be mastered and a ceramic portfolio will be developed. Students will be required to furnish their own clay tools. **There is a mandatory \$10.00 lab fee for this course.**

Prerequisite: Beginning Visual Arts

CERAMICS II

Credit 1.0

Grade level: 11-12

This is a course for students very interested in developing more studio skills in 3-dimensional art, ceramic art, pottery, and the artists and history. Students must furnish some of their own tools. **There is a mandatory \$10.00 lab fee for this course.**

Prerequisite: Beginning Visual Arts Specialization Level I

VISUAL ARTS SPECIALIZATION INTERMEDIATE

Credit 1.0

**Formerly Senior Independent Art*

Grade level: 12

This course is designed for the serious art student pursuing a career in the visual arts. It builds on the technical skills developed in all previous art classes. Students should choose a primary media in which they wish to work. Students will work independently, but may only take the course when other art classes are offered. There is limited space available in this course. **Students must furnish some of their own materials and pay a \$10.00 lab fee.**

Prerequisite: The student must take Beginning Visual Arts and three upper level art courses. Teacher recommendation is also required.

Yearbook

YEARBOOK I

Credit 1.0

This course is designed to introduce the student to the fundamentals of yearbook publication including interviewing, copywriting, layout design, desktop publishing, marketing, photography, and theme development with an emphasis on working as a team, meeting deadlines and adhering to ethical standards.

Prerequisites: Students must fill out and complete an application to be considered for Yearbook I. A grade of 85 or higher in the most recent English course and English teacher recommendation is required.

YEARBOOK II

Credit 1.0

Yearbook II expands the fundamentals introduced in Yearbook I.

Prerequisites: A grade of 90 or higher in Yearbook I and approval of adviser.

YEAR BOOK III

Credit 1.0

YEAR BOOK

IV YEARBOOK

V

Yearbook III, IV, and V offer students a chance to practice and refine the skills learned in Yearbook I and II and to apply these skills to produce the school yearbook through a leadership position. **Please note:** Yearbook IV offers students a chance to teach others, to design yearbook layouts, to learn marketing and advertising skills. This course requires after school activities and possible apprenticeships.

Prerequisite: A grade of 90 or higher in Yearbook II/III and approval of adviser.

Music

BAND (BEGINNING)

Credit 1.0

Grade Level: 9 (First Semester)

This is a basic marching band course that concentrates on marching fundamentals, memorization of drill and music. Students will be required to attend band camp, after-school rehearsals, concerts, football games, parades, and special performances. Each will have to complete the first portion of the North Carolina Bandmasters Association (Eastern District) 9th grade band requirements.

Prerequisite: 8th Grade Middle School **Band Students must take both Marching and Symphonic Band I (year long course)**

BAND (BEGINNING)

Credit 1.0

Grade Level: 9 (Second Semester)

The second portion of the NCBA (Eastern District) band requirements for 9th graders will be met. Student must attend after-school rehearsals at least once a week, and concerts. The first level of Music Theory, sight-reading, and minor scales will be met.

Prerequisite: Marching Band I

BAND (BEGINNING)

Credit 1.0

Grade Level: 10 (First Semester)

This intermediate marching band course is geared toward fulfilling the first requirements of the NCBA (Eastern District) for 10th graders. More detailed marching and music memorization is required and a higher level of music skills. Student must attend Band Camp, sectionals, concerts, parades, and football games.

Prerequisite: Marching Band I and Symphonic Band I

BAND (BEGINNING)**Credit 1.0****Grade Level: 10 (Second Semester)**

The second portion of the NCBA (Eastern District) band requirements for 10th graders will be met. Student must attend sectionals at once a week, and occasional concerts. The second level of Music Theory, sight-reading, and minor scales will be met.

Prerequisite: Marching Band I and Symphonic Band I

BAND (INTERMEDIATE)**Credit 1.0****Grade Level: 11 (First Semester)**

This course continues the pursuit of marching band skills at a more sophisticated level and includes the development of leadership within the band. The first portion of the NCBA (Eastern District) for 11th graders must be met. Band Camp, summer rehearsals, parades, after school rehearsals, and parades are mandatory.

Prerequisite: Marching Band I/Symphonic Band I Marching Band II or Symphonic Band II

BAND (INTERMEDIATE)**Credit 1.0****Grade Level: 11 (Second Semester)**

The second portion of the NCBA (Eastern District) requirements for 11th graders must be met. All sectionals, concerts, special performances are mandatory. The third level of Music Theory, Sight-reading, and minor scales will be met.

Prerequisite: Marching Band I/Symphonic Band I/Marching Band II or Symphonic Band II

BAND (INTERMEDIATE)**Credit 1.0****Grade Level: 12 (First Semester)**

This advanced course focuses on total band leadership skills, including learning and teaching sectionals, marching, and half-time drills. Band Camp summer rehearsals, parades, after-school rehearsals, and parades are mandatory. The first portion of the NCBA (Eastern District) requirements for 12th graders will be met.

Prerequisite: Marching/Symphonic Band I, Marching Band II or Symphonic Band II/Marching Band III or Symphonic Band III

BAND (INTERMEDIATE)**Credit 1.0****Grade Level: 12 (Second Semester)**

The 2nd portion of the NCBA (Eastern District) requirements for 12th graders will be met. The fourth level of Music Theory, Sight-reading, and minor scales will be met. All sectionals, concerts, and special performances are mandatory.

Prerequisite: Marching/Symphonic Band I, Marching Band II or Symphonic Band II, Marching Band III or Symphonic Band III

HUMANITIES**Credit 1.0**

**Formerly Music Appreciation*

Grade Level: 9-12

This course deals with the appreciation of many types and styles of music of Europe, Africa, Asia as well as North America from the 1400's to the present day.

Prerequisite: None

JAZZ ENSEMBLE I**Credit 1.0****Grade Level: 9**

This yearlong course is taught before regular school hours. It provides students the opportunity to play and perform music by many of the Jazz greats. The first level of the Jazz Master requirements will be met.

Prerequisite: Students must be able to play an instrument and read music on the high school level.

JAZZ ENSEMBLE II**Credit 1.0****Grade Level: 10**

This yearlong course is taught before regular school hours. It provides students the opportunity to play and perform music by many of the Jazz greats. The second level of the Jazz Master requirements will be met.

Prerequisite: Jazz Ensemble I

JAZZ ENSEMBLE III**Credit 1.0****Grade Level: 11**

This yearlong school course is taught before regular school hours. It provides students the opportunity to play and perform music by many of the Jazz greats. The third level of the Jazz Master requirements will be met.

Prerequisite: Jazz Ensemble I and II

JAZZ ENSEMBLE IV

Credit 1.0

Grade Level: 12

This yearlong school course is taught before regular school hours. It provides students the opportunity to play and perform music by many of the Jazz greats. The fourth level of the Jazz Master requirements will be met.

Prerequisite: Jazz Ensemble I, II, and III

VOCAL MUSIC (BEGINNING CONCERT– Level I & II)

Credit 1.0

Grade Level 9-12

Level I

This choir is offered to a select group of talented singers who perform a variety of choral styles spanning the spectrum of musical periods. The requirements of the AEC-Vocal I for advanced choir will be met. Students are expected to master foreign language pieces and selections stressing greater vocal independence. This course will have multiple performances during the semester using the difficult material learned and occasionally songs that include choreography. The music history of the pieces will be discussed. Music theory will be taught in depth at the beginning of the semester to enable the students to read and understand all musical symbols in any given piece. Additional training in music theory will be taught as needed throughout the semester. Leadership rolls will be established-choir officers, student directors, and sections leaders. **This is a yearlong course-Show Choir. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.**

Prerequisite: Successful audition. (Singing scales in tune up and down the scale)

Level II

Credit 1.0

This choir is offered to sophomores, juniors and seniors as a select group of talented singers who perform a variety of choral styles spanning the spectrum of musical periods. The requirements for AEC-Vocal II will be met. Students are expected to master foreign language pieces and selections stressing greater vocal independence. This course will have multiple performances during the semester

using the difficult material learned and occasionally songs that include choreography. The music history of the pieces learned will be discussed. Music theory will be taught in depth at the beginning of the semester to enable the students to read and understand all musical symbols in any given piece. Additional training in music theory will be taught as needed throughout the semester. Leadership rolls will continue with strengthening in every area. This is a yearlong course-Show Choir. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Level I or a successful audition. Audition for transferring students. (Singing scales in tune up and down the scale)

VOCAL MUSIC (BEGINNING SHOW – Level I & II)

Credit 1.0

Grade Level 9-12

Level I

This course is a continuation of Vocal Music with an emphasis on further development of vocal training with more dramatic and popular music. The second half of the AEC-Vocal I for advanced choir will be met. Continued study of music theory will be accomplished based on new symbols and terms in the music. Choreography, solo, and small group singing will definitely be a part of the performance for many songs in this class. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Concert Level I. Audition for transferring students. (Singing scales in tune up and down the scale.)

Level II

Credit 1.0

This course is a continuation of Vocal Music with an emphasis on further development of vocal training with more dramatic and popular music. Continued study of music theory will be accomplished based on new symbols and terms in the music. Choreography, solo, and small group singing will definitely be a part of the performance for many songs in this class. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Show Level I. Audition for transferring students. (Singing scales in tune up and down the scale.)

VOCAL MUSIC (INTERMEDIATE CONCERT – Level III & IV)

Credit 1.0

Grade Level 11-12

Level III

This choir is offered to juniors and seniors as a select group of talented singers who perform a variety of choral styles spanning the spectrum of musical periods. Students are expected to master foreign language pieces and selections stressing greater vocal independence. This course will have multiple performances during the semester using difficult material learned and occasionally songs that include choreography. The music history of the pieces learned will be discussed. Music theory will be taught in depth at the beginning of the semester to enable the students to read and understand all musical symbols in any given piece. As seniors, the leadership rolls will fall mainly on them in the form of senior officers, student directors, and section leaders. This is a yearlong course-Show Choir. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Concert Level II or a successful audition. Audition for transferring students. (Singing scales in tune up and down the scale.)

Level IV

Credit 1.0

This choir is offered to seniors as a select group of talented singers who perform a variety of choral styles spanning the spectrum of musical periods. The requirements for AEC-Vocal IV will be met. Students are expected to master foreign language pieces and selections stressing greater vocal independence. This course will have multiple performances during the semester using the difficult material learned and occasionally songs that include choreography. The music history of the pieces learned will be discussed. Music theory will be taught in depth at the beginning of the semester to enable the students to read and understand all musical symbols in any given piece. Additional training in music theory will be taught as needed throughout the semester. As seniors, the leadership rolls will fall mainly on them in the form of senior officers, student directors, and section leaders. This is a yearlong course-Show Choir. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Concert Level III. Audition for new/transferring students. (Singing scales in tune up and down the scale.)

VOCAL MUSIC (INTERMEDIATE SHOW-Level III & IV)

Credit 1.0

Grade Level: 11-12

Level III

This course is a continuation of Vocal Music with an emphasis on further development of vocal training with more dramatic and popular music. The second half of the AEC-Vocal III requirements will be met. Continued study of music theory will be accomplished based on new symbols and terms in the music. Choreography, solo, and small group singing will definitely be a part of the performance for many songs in this class. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Show II. Audition for new/transferring students. (Singing scales in tune up and down the scale.)

Level IV

This course is a continuation of Vocal Music with an emphasis on further development of vocal training with more dramatic and popular music. The second half of the AEC-Vocal IV requirements will be met. Continued study of music theory will be accomplished based on new symbols and terms in the music. Choreography, solo, and small group singing will definitely be a part of the performance for many songs in this class. Attendance at rehearsals and performances is mandatory for passing the course. A \$10.00 choir supply fee is required from each student, to be paid at the very beginning of the semester.

Prerequisite: Vocal Music Show III. Audition for new/transferring students. (Singing scales in tune up and down the scale.)

MUSIC SPECIALIZATION (BEGINNING - Level I & II)

Credit 1.0

Grade Level: 9-12

Level I

This course is offered strictly for students genuinely interested in piano and music theory training. This course stresses the importance of musical knowledge as students begin to learn the basics of playing the piano. Students will compose simple melodies with the bass chord given, add a bass chord line to a melody given, and write a simple melody and chord bass by the end of the semester. Daily playing tests will be given at least once each week, along with written homework, flashcard daily tests, and Unit Tests that incorporate written test, playing test, and flashcard test. Practicing at home, piano or keyboard, and performance of material covered are essential for success in this class. All piano students must pay a \$10.00 per year maintenance fee for the purchase of parts and the repair of equipment: headphones, ac adapters, surge protectors, etc. Purchasing of music books, ordered by the teacher, is also required. These books run about \$35.00 for the set. This set of books will last your student at least two semesters of piano class.

Prerequisite: None

Level II

Credit 1.0

Students at this level will learn the knowledge needed to continue excelling in playing the piano. During the course of the semester, students will learn how to read key signatures and play in different keys, different tempos, and expand into multi-hand position techniques. More composing of melodies and chord accompaniment will be explored with each new key studied. Daily playing tests will be given at least once each week, along with written homework, flashcard daily tests, and Unit Tests that incorporate written test, playing test, and flashcard test. Practicing at home, piano or keyboard, and performance of material covered are essential for success in this class. The books from Piano I will be used for Piano II. All piano students must pay a \$10.00 per year maintenance fee for the purchase of parts and the repair of equipment: headphones, ac adapters, surge protectors, etc. Purchasing of additional music books, if necessary, is also required.

Prerequisite: Successful semester in Music Specialization I (or evidence and knowledge from private piano lessons)

MUSIC SPECIALIZATION (INTERMEDIATE - Level III & IV)

Credit 1.0

Grade Level: 10-12

Level III

Students will learn the knowledge needed to continue excelling in playing the piano, as well as, part writing based on first semester college music theory. Compositions will expand to more Baroque and Classical composers, moving out of the method piano books. Advanced scales, including minor scales related to the major scales already learned, will be taught. Advanced finger technique exercises will be taught for advanced coordination. Original composition will be written and performed for a final grade. Practicing at home will be required along with written homework at times. All piano students must pay a \$10.00 per year maintenance fee for the purchase of parts and the repair of equipment: headphones, ac adapters, surge protectors, etc. Purchasing of additional music books, if necessary, is also required.

Prerequisite: Successful semester in Music Specialization Level II

Level IV

Credit 1.0

Continuation of advance piano techniques, exercises, scales, and music will be studied. Continued work on part writing and composing will be a strong emphasis in this class. Books required for the course by the teacher will be purchased by the student/parent. An original composition will be one of the pieces performed at a recital during the Concert Choir Spring Concert as a final grade. All piano students must pay a \$10.00 per year maintenance fee for the purchase of parts and the repair of equipment: headphones, ac adapters, surge protectors, etc. Purchasing of additional music books, if necessary, is also required.

Prerequisite: Successful semester in Music Specialization III

MUSIC SPECIALIZATION (INTERMEDIATE – Senior Independent Study)

Credit 1.0

Grade Level: 12

Continuation of advanced piano techniques, exercises, scales, and music will be studied. Continued work on advanced part writing and composition will be a strong emphasis in the class. An original composition will be one of the pieces performed at a recital during the Concert Choir Spring Concert as a final grade. All piano students must pay a \$10.00 per year maintenance fee for the purchase of parts and the repair of equipment: headphones, ac adapters, surge protectors, etc. Purchasing of music books, if necessary, is also required.

Prerequisite: Successful semester in Music Specialization IV with a grade of 90 or above

Theatre Arts

THEATER ARTS (BEGINNING)

Credit 1.0

Grade Level: 9-12

Students will explore the world of theatre through six units. Acting is incorporated through each of the following units: What is Drama, Acting, Technical Theatre, Directing and Producing, and Script Analysis. Students will keep a binder as a portfolio for their final exam.

Prerequisite: None

THEATER ARTS (INTERMEDIATE – ACTING, STAGE CRAFT AND DESIGN, & DIRECTING AND PRODUCING) These are three separate courses and offered alternating years.

Grade Level: 10-12

This course is made up of three different content areas that will rotate based on the year of study. The content areas are: Acting, Stage Craft and Design, and Directing and Producing. Acting works with monologue, comedy, realism, and full productions. Stage Craft and Design focuses on the technical aspects of theater. Directing and Producing is filled with opportunities that allow students to explore the inner director and theoretically plan their own production.

Prerequisite: Theater Arts I

Media Assistants

LIBRARY/MEDIA ASSISTANT I

Credit 1.0

Grade Level: 11-12

Throughout these courses, the student will become familiar with the various aspects of the media center. This will include the cataloging of information, the use of various technologies, and basic office management skills. Students will assist staff and students as well as provide support for the front office. As the student progresses through the course he or she will be able to apply this knowledge by leading other students in their pursuits of information.

Prerequisite: Media Specialist approval, 3.0 GPA, and no office referrals

LIBRARY/MEDIA ASSISTANT II

Credit 1.0

Grade Level: 11-12

Prerequisite: Students must successfully complete the previous section of Media Assistant I, have no office referrals **AND** be invited to return to the program by the Media Coordinator.

Special Provisions: Limited to 4 students per period, Media Specialist approval 3.0 GPA and no office referrals

CYBER CAMPUS CLASS OFFERINGS

MEDIA ASSISTANT (CYBERCAMPUS)

Credit 1.0

Grade Level: 10-12

In this course, students will learn about multimedia technology creation and development. They will be introduced to video editing, web page design, digital photography, print media applications (PowerPoint, Word, and Publisher) and podcasting. They will also sharpen skills in computer maintenance and explore new computer software. Only students who have a genuine interest in technology, a commitment to serving NHS staff and students, and can function in a professional office atmosphere should apply for the program

Prerequisite: Students must have a GPA of 3.0 and successful completion of any computer course.

MEDIA ASSISTANT (CYBERCAMPUS) Level II, III, and IV

Credit 1.0

Grade Level: 10-12

Students will serve as ambassadors for the Cyber Campus. They will act as computer lab technicians, produce video content, and provide tech support to staff and students. Students will learn advanced principles of video production, multimedia design, web design, and technical trouble-shooting. Students will also prepare videos and Power Points for ECPPS. Technicians may be asked to perform long-term service projects and may be asked to videotape after school activities such as athletic events and concerts.

Prerequisite: Students must successfully complete the previous section of Cyber Campus Technician **AND** be invited to return to the program by a Cyber Campus staff member.

DISTANCE LEARNING CLASSROOM

The Cyber Campus offers Internet distance-learning courses. Students who wish to take an Internet class must have a basic understanding of the Internet, email, and have general computer literacy. Students in all distance learning courses must be self-motivated, independent workers, and able to manage their time wisely. Students should have access outside of the classroom to a computer with an Internet connection. The Cyber Campus will provide a 90-minute time block each day for class work and technical support. However, time may still be required outside of the school day in order to complete assignments. In the event of workdays or school closings, students will be expected to complete any assignments by the due dates assigned by the NCVPS teacher.

HONORS ANATOMY AND PHYSIOLOGY

Credit 1.0

Prerequisite: 93 or higher in Biology or 85 in Honors Biology

AP ENVIRONMENTAL SCIENCE

Credit 1.0

Prerequisite: 90 or higher in Honors Chemistry

PSYCHOLOGY

Prerequisite: 85 or higher in English I

HONORS PSYCHOLOGY

Credit 1.0

Prerequisite: 85 or higher in Honors English II, or 93 or higher in English II

AP PSYCHOLOGY

Credit 1.0

Prerequisite: 90 or higher in Honors English III or IV

COMPUTER PROGRAMMING I

Credit 1.0

Prerequisite: 85 or higher in Math II

JOURNALISM

Credit 1.0

Prerequisite: 85 or higher in English I

SAT PREP

Credit 1.0

Prerequisite: 85 or higher in English I and Math I

GERMAN I

Credit 1.0

Prerequisite: 85 or higher in English I

GERMAN II

Credit 1.0

Prerequisite: Successful completion of German I

NORTH CAROLINA INFORMATION HIGHWAY COURSES

The Robert P Cullen Cyber Campus uses a videoconference network to provide additional elective courses. Students interact with instructors and students at other educational institutions across the state of North Carolina. Students who enroll in videoconference courses should be academically prepared and socially mature enough to be responsible for their own education. Taking a videoconference course will, in many cases, be similar to pursuing an independent study. The instructors from the other institutions do not expect to supervise behavior or to monitor rates of homework completion; the student will be responsible for his/her own behavior and home work. The student is responsible for his/her own progress.

NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS COURSE OFFERINGS

(These are also listed in the appropriate academic section)

SOME OF THESE COURSES MAY NOT BE OFFERED BASED ON ENROLLMENT AND SCHEDULING CONFLICTS WITH THE PROVIDER.

AP CALCULUS AB COURSE

Credit 2.0

Grade Level: 11-12

This course is rich in technology and applications, and prepares students for the AP Calculus AB Exam. AP Calculus develops the student's understanding of the concepts of calculus (functions, graphs, limits, derivatives and integrals) and provides experience with methods and applications. The course encourages the geometric, numerical, analytical, and verbal expression of concepts, results, and problems.

Prerequisite: Completion of Pre-calculus with an "A" and the recommendation of the math teacher. Students should have a strong background in algebra and functions, including polynomial, exponential, logarithmic, and trigonometric. Students should also have knowledge of basic graphing calculator functions - graphing an equation, determining a Window, use of the built-in Intersect, Zero, & Value functions. A summer assignment will be sent to those students that NCSSM feels will be successful and recommend to the course. The completion of the summer assignment is mandatory. A summer assignment will be sent to those students that NCSSM feels will be successful and recommend to the course. The completion of the summer assignment is mandatory.

****Schools will be asked to supply the following student information: PLAN/SAT/ACT score & previous math grades.**

Material requirements: Each student must have a graphing calculator (TI Inspire, TI-89 preferred, TI-83+, TI-84 acceptable) that they may take home. Books and curricular materials are on loan from NCSSM.

AP STATISTICS

Credit 2.0

Grade Level: 11-12

This first part of a year-long course covers the content of a typical introductory college course in statistics. In colleges and universities, the number of students who take a statistics course is almost as large as the number of students who take a calculus course. (At least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, mathematics, and business.) The first semester will provide an overview and introduction to statistics, and introduce students to the major concepts and the tools for collecting, analyzing, and drawing conclusions from data. The completion of the summer assignment is mandatory. The second semester covers the methods of inferential statistics (hypothesis testing and confidence intervals). There is continued review of the first semester topics and preparation continues for the AP exam. .

Prerequisite: Students must have completed a course beyond Math III with a C average or better and have satisfactory algebra skills. They must also possess strong verbal skills as well as sufficient mathematical maturity and quantitative reasoning ability.

Material requirements: Each student must have a TI-83+ or TI-84 (preferred) graphing calculator that they may take home. Books must be supplied by your school

Other Possibilities for NCSSM Courses:

Honors Forensic Science

Cosmology and Culture, Past and Present

AP Environmental Science

Honors African American Studies

POLICY FOR DISTANCE LEARNING COURSES

- Students who enroll in distance learning courses (NCIH or other) must satisfy the prerequisite requirements specified by the institutions offering the course.
- Students may not add a distance-learning course after the course's drop/add period has ended (this window may be different from the NHS drop/add period).
- Some distance learning classes follow different calendars and schedules from NHS. It is the responsibility of the student to keep up with these differences.
- Students enrolled in yearlong distance learning courses must successfully complete the fall semester course to continue on in the spring.
- In NCIH classes, a facilitator will mail/fax completed assignments to the instructor on the date the assignments are due. Mailing late assignments will be the responsibility of the student. In an Internet course, the student is solely responsible for emailing or digitally submitting their coursework.
- Distance learning textbooks are limited and may not be available for all courses.

NORTHEASTERN REGISTRATION POLICY CONCERNING ONLINE COURSES

Awarding Honors Weight: Student may not receive honors weight for any courses that are not taught at NHS with honors weight. This applies even if the course provider's description specifies honors weight.

Course Duplication: Students are discouraged from taking courses online that are offered traditionally at Northeastern High School. Internet courses are great alternatives for students with special attendance needs (like afternoon sports commitments) or severe course conflicts but are more challenging than a traditional counterpart and not recommended for everyone.

Textbook Requirements for Students: Textbooks are currently provided for Northeastern students and each year pending budget approval.

Prerequisites: Student Services will have a complete printout of course offerings for next year available. Students should make sure that they read the course description, check the prerequisites, and check the textbook requirement before committing to an online course. All registration must be done first through Student Services, and then through the Cyber Campus.

AFJROTC

Course Offerings

AFJROTC I AFJROTC II

AFJROTC III AFJROTC IV

AFJROTC V

Students may take AFJROTC I, II, III and IV in partial fulfillment of the 20 units of credit required for the future ready core requirements. It is also an elective for all other courses of study. AFJROTC is a citizenship program for cadets to get involved in their local communities to produce well-informed and helpful citizens. To enhance classroom learning, cadets participate in extracurricular and social activities such as field trips, drill team, color guard, model rocketry, military ball and dining out. One day each week is dedicated to physical fitness and sports, and all cadets must participate. **To pass, cadets must wear the Air Force uniform one day each week and comply with Air Force haircut and grooming standards.** Uniforms are provided "on loan" to all cadets, and they must be returned when a cadet leaves the program. Except for seniors, cadets may not take AFJROTC more than one semester each academic year.

PREREQUISITES FOR LEVELS II – V: To be eligible to take AFJROTC beyond the first year, cadets must demonstrate the ability to adapt to the military structure. They must achieve a grade of 77 or higher in both Academics and Sports Participation and a 90 or higher in Uniform Inspection and Leadership/Drill (the four areas of the curriculum).

AFJROTC I

Credit 1.0

Grade Level: 9-12

This course has three main components: aerospace studies, leadership education, and health and wellness. In the AS component cadets will understand the historical developments in aerospace, the basic principles and physical forces that lead to sustained flight. Group projects and labs will develop a deeper understanding of the basics of flight. In the LE component, cadets will develop leadership skills through military drill and understand military customs and courtesies, element of teamwork and citizenship. Cadets will understand the importance of healthy living through class instruction and weekly physical activities.

Prerequisite: None.

AFJROTC II**Credit 1.0****Grade Level: 10-12**

This course has three main components: aerospace studies, leadership education, and health and wellness. In the AS component cadets will understand the basic structure of our atmosphere and the low-orbit space environment elements of and how they affect aerospace travel. They will know the basics of mapping and navigation. A global cultural awareness section will study other cultures and how our nation interacts with these cultures. In the LE component cadets will develop communication skill, personal finance skills, learn how to plan for a career and continued education. Cadets will understand the importance of healthy living and wellness through class instruction and weekly physical activities.

Prerequisite: AFJROTC I, ROTC Instructor Approval

AFJROTC III**Credit 1.0****Grade Level: 11-12**

This course has three main components: aerospace studies, leadership education, and health and wellness. In the AS component cadets will study space. They will become familiar with the space environment, various space programs and space technology, and understand the concepts of manned space flight. In the LE component they will also continue their leadership training, be introduced to management ideas and learn about personality types, interpersonal relations and resolving conflicts. They will also complete a personal class instruction and weekly physical activities. (**Note:** The AFJROTC II and III courses are typically taught together as a blended course. Cadets can take AFJROTC II and III in consecutive years and will receive full credit for taking the two separate classes. If a cadet cannot take these classes in consecutive years, they will not be able to take AFJROTC III, since the course content will be the same as their AFJROTC II class).

Prerequisite: AFJROTC II, ROTC Instructor Approval

AFJROTC IV**Credit 1.0****Grade Level: 12**

The course has three main components: aerospace studies, leadership education, and health and wellness. A major portion of this class is a hands-on leadership laboratory. The Leadership Education portion of the class will teach the basic functions and principles of management. Cadets will apply these principles to manage and lead the co-curricular activities of the cadet corps for the semester. Cadets will implement training schedules for the competitive teams as well as maintain the corps schedule of events. Cadets will understand the importance of healthy living and wellness through class instruction and weekly physical activities.

Prerequisite: AFJROTC III, ROTC Instructor Approval

AFJROTC V**Credit 1.0****Grade Level: 12**

This is a continuation of AFJROTC IV, where cadets manage the cadet corps putting into practice the leadership and management techniques taught in AFJROTC I, II, III, and IV. These seniors will cap their JROTC journey by planning our hosted drill competition, Military Ball and Awards Nigh/Dining-Out.

Prerequisite: AFJROTC IV, ROTC Instructor Approval

Career and Technical Education

The mission of Career and Technical Education (CTE) is to help empower students for effective participation in an international economy as world-class workers and citizens. CTE programs are designed to contribute to the broad educational achievement of students, including basic skills such as reading, writing, and mathematics as well their ability to work independently and as part of a team, think creatively, solve problems and utilize technology. In addition, students have the opportunity to earn industry level credentials and certifications in some courses.

Northeastern Career Technical Education program areas include:

1. Agricultural, Food, and Natural Resources
2. Architecture and Construction
3. Business Management and Administration
4. Health Science
5. Human Services
6. Science, Technology, Engineering and Mathematics
7. Transportation, Distribution, and Logistics

Student Organizations

Any student enrolled in a CTE course should have the opportunity to participate in a career and technical student organization. These student organizations are an integral part of the curriculum and students have the opportunity to compete in leadership and competitive events that are held on the local, district, state and national levels. These events provide many opportunities for practical application of instructional competencies.

Work-based Learning

CTE students have the opportunity to participate in work-based learning opportunities through apprenticeships and cooperative education.

Cooperative Education

A method of instruction that combines CTE instruction with paid employment directly related to that classroom instruction. The two experiences are planned and supervised by the school and the employer so that each contributes to the student's career objective and employability. The school and employer develop individual training agreements based on each student's career plan. Credit is earned by the student upon meeting the combined classroom and employment requirements.

Career Clusters

Career clusters consist of occupations/careers that share similar interests, skills and strengths. All clusters include a variety of occupations that require different levels of education and training. All students are highly encouraged to complete a cluster as it provides an area of focus. Completing a four-year career plan will help the student to map out their future. Career development is not a permanent commitment. As you have new experiences, you will learn new things about yourself and your career interests. If you decide on a new career path you should discuss it with your parents, teachers, counselor or career development coordinator so they can assist you in adjusting your future course selections in accordance with your new career direction.

Articulation Agreement

The articulation agreement between the North Carolina Department of Public Instruction and the North Carolina Community College System is an agreement which allows students who have been enrolled in and exited CTE course with a Final Grade of B or higher in the course and a score of 93 or higher on the standardized CTE post-assessment to receive community college credit hours. The student must enroll in a community college within two years of their high school graduation date. See your counselor for more information on the agreement.

Agriculture, Food, & Natural Resources: Animal Science, Horticulture, & Environmental and Natural Resource Studies

ANIMAL SCIENCE I

Credit 1.0

Grade Level: 9-12

This course provides instruction focused on the basic scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care in preparation for an animal science 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 Math are reinforced in this course. FFA leadership activities are integral components of the course and provide many opportunities for practical application of instructional competencies. Note: Seniors may take Level I and Level 2 in the same year.

Prerequisite: None

ANIMAL SCIENCE I HONORS

Credit 1.0

Grade Level: 9-12

The honors portion of this course will involve more rigor and more complex aspects of the animal science course, project will be submitted electronically, and each honors student will complete an Agriscience project in the Animal Science area and compete at the federation and state level with this project.

Prerequisite: Students need to be enrolled in honors level courses.

ANIMAL SCIENCE II*

Credit 1.0

Grade Level: 10-12

This course covers instruction that expands upon the scientific knowledge and skill developed in Animal Science I to include advanced scientific, computation, and communication skills. Topics include animal waste management, animal science economics, decision-making, global concerns in the industry, genetics and breeding. Content knowledge in biology, chemistry, and Math are reinforced in this class. This course requires a shadowing experience during the semester. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application.

Prerequisite: Animal Science I

ANIMAL SCIENCE II HONORS*

Credit 1.0

Grade Level: 10-12

The Honors portion of this course will involve expanded units projects for each section. This course will involve more rigor and more complex aspects of the animal science course, project will be submitted electronically, and each honors student will complete an Agriscience project in the Animal Science area and compete at the federation and state level with this project.

Prerequisite: Animal Science I with a grade of 90 or above. Parent and Student contract required for this class.

ANIMAL SCIENCE II – SMALL ANIMAL

Credit 1.0

Grade Level: 11-12

This course is designed to be an upper level course in the Animal Science Course Sequence. You will use knowledge from Animal Science I and II. This course will cover small animal care and production. The course will also cover animal physiology and nutrition, animal diseases and parasites, and other aspects of an introduction into the careers of Veterinarian and Veterinarian Assistants. This course is designed for those in the career path of Animal Science in some aspect. Skills in Biology, Chemistry, and Math are reinforced in this class.

Prerequisites: Animal Science I and II. Suggested: Biology and Chemistry

VETERINARY ASSISTING

Credit 1.0

Grade Level: 12

This course provides instruction for students desiring a career in animal medicine. Topics include proper veterinary practice management and client relations, pharmacy and laboratory procedure, enhancement of animal care learned in previous animal courses, and surgical/radiological procedures. Advanced FFA leadership will be infused throughout the curriculum to develop the student's ability to work with the public. All aspects of this course will have hands-on skill sets that will be enforced with a total of 500 (200 laboratory/classroom hands-on hours and 300 under the supervision of a licensed veterinarian or certified veterinary technician). Applied mathematics, science, writing, and skill sets are integrated throughout the curriculum. Students will learn the material in order to be prepared for the Veterinary Assisting exam developed by the Texas Veterinary Medical Association. With successful completion of the exam and hours, students will be able to be a Certified Veterinary Assistant (CVA) Level 1.

Prerequisite: Animal Science I, Animal Science II, and Animal Science II – Small Animal

ENVIRONMENTAL AND NATURAL RESOURCE STUDIES I

Credit 1.0

Grade Level: 10-12

This course provides an introduction to environmental studies, which include topics of instruction in renewable and nonrenewable 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 Math are reinforced in this class.

Prerequisite: None

ENVIRONMENTAL AND NATURAL RESOURCE STUDIES II*

Credit 1.0

Grade Level: 11-12

This course covers instruction that expands the knowledge and skills developed in Environmental and Natural Resource Studies I with heavy emphasis on instruction in best management practices and skills in methods of environmental monitoring and conservation, air and water regulations, sampling methodologies, prescribing conservation techniques, wildlife, and forestry management. Skills in biology, chemistry and Math are reinforced in the class.

Prerequisite: Environmental & Natural Resources I

HORTICULTURE I

Credit 1.0

Grade Level: 9-12

This course provides instruction in 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 information, pest management, chemical disposal, customer relations, career opportunities and leadership development. Skills in biology, chemistry, and Math are reinforced in this course. FFA Leadership activities are integral components of the course and provide many opportunities for practical application.

Prerequisite: None

HORTICULTURE I HONORS

Credit 1.0

Grade Level: 9-12

The honors portion of this course will involve more rigor and more complex aspects of the horticulture course, project will be submitted electronically, and each honors student will complete an Agriscience project in the Horticulture area and compete at the federation and state level with this project.

Prerequisite: Students need to be enrolled in honors level science courses.

HORTICULTURE II*

Credit 1.0

Grade Level: 10-12

This course instruction expands the scientific knowledge and skills developed in Horticulture I to include more advanced scientific, computational and communication skills which are 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 Math are reinforced in this class. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application.

Prerequisite: Horticulture I

HORTICULTURE II - HONORS*

Credit 1.0

Grade Level: 10-12

This course instruction expands the scientific knowledge and skills developed in Horticulture I to include more advanced scientific, computational and communication skills which are 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 Math are reinforced in this class. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application. **The honors portion of this course will involve expanded unit projects for each section, projects submission electronically; each honors student will do an Agriscience project in a Horticulture area and compete at the federation and state level with this project.**

Prerequisite: Horticulture I with a grade of 90 or above. Parent and Student contract required for this class.

HORTICULTURE II - LANDSCAPE CONSTRUCTION

Credit 1.0

Grade Level: 11-12

The primary purpose of this course is to prepare students for a career in the field of landscape construction and maintenance by providing instruction and hands-on experience based on the skill standards of the NC Certified Landscape Technician Program. Skills in physics, Math II, Math, math, machinery and record keeping are reinforced in this course. The students will be able to take the NC Landscape technician certification test after completing this course. Supervised agricultural experience programs and FFA leadership activities are integral components of the course and provide many opportunities for practical application.

Prerequisite: Horticulture I and II

HORTICULTURE II - TURFGRASS

Credit 1.0

Grade Level: 11-12

This course is designed to introduce the student to the turfgrass industry. It includes environmental issues, turfgrass management and maintenance, lawn care and production, sport turf, irrigation, turf equipment, public relations, leadership, and employability skills. This course is designed to follow Horticulture 2, and can be taken in the same year as Landscape Construction and Maintenance.

Prerequisite: Horticulture I and II

Business Management & Administration

CAREER MANAGEMENT

Credit 1.0

Grade Level: 9-12

This course is designed to prepare students to locate, secure, keep, and change careers. Competencies for this course are based on the National Career Development Guidelines. Strategies for this course include teamwork, technology, problem-solving, decision-making, goal-setting, and self-management. **This course will fit into any career cluster area as an enhancement course (see pgs. 45-46).**

Prerequisite: None

MICROSOFT WORD, POWERPOINT, AND PUBLISHER

Credit 1.0

Grade Level: 9-12

Students in Microsoft IT Academies benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. In the first part, students will learn to use the newest version of Microsoft Word interface, commands, and features to create, enhance, customize, share and create complex documents, and publish them. In the second part, students will learn to use the newest version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. In the last part, students will learn to use the basic features of the newest version of Publisher to create, customize, and publish a publication.

Prerequisite: None

MULTIMEDIA AND WEBPAGE DESIGN

Credit 1.0

Grade Level: 10-12

This 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. English language arts and arts are reinforced.

Prerequisite: Microsoft Word, PowerPoint, and Publisher

PRINCIPLES OF BUSINESS AND FINANCE

Credit 1.0

Grade Level: 10-12

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.

Prerequisite: None

MARKETING

Credit 1.0

Grade Level: 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. Focusing on the National Curriculum Framework and National Retail Standards, an emphasis is placed on marketing and business foundations, economic foundations, and human resource foundations. Included in these foundations are concepts such as communications, selling, pricing, promotion, marketing-information management and product/service planning. Skills in communications, mathematics, and psychology are reinforced in this course.

Prerequisite: None

BUSINESS LAW*

Credit 1.0

Grade Level: 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.

Prerequisite: Principles of Business and Finance

BUSINESS MANAGEMENT*

Credit 1.0

Grade Level: 10-12

This course expands student understanding of management, including customer relationship management, human resources management, information management, knowledge management, product-development management, project management, quality management, and strategic management. Economics, finance, and professional development are also stressed throughout the course. English language arts are reinforced. Work-based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course.

Prerequisite: Principles of Business and Finance

ENTREPRENEURSHIP I

Credit 1.0

Grade Level 10-12

In this course students evaluate the concepts of going into business for themselves and working for or operation a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students develop components of a business plan and evaluate startup requirements. English language arts and social studies are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning and job shadowing.

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

ENTREPRENEURSHIP II

Credit 1.0

Grade Level 10-12

In this course students develop an understanding of pertinent decisions to be make after obtaining financing to open a small business. Students acquire in-depth understanding of business regulation, risks, management, and marketing. Students develop a small-business management handbook. English language arts and social studies are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. The Entrepreneurship I and II courses can help prepare students for the Assessment of Skills and Knowledge (A*S*K*) credential.

Prerequisite: Entrepreneurship I

PERSONAL FINANCE

Credit 1.0

Grade Level 9-12

This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. DECA (an association for Marketing Education students), Future Business Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skill through authentic experiences.

Prerequisite: None

Work-Based Learning

INTERSHIP**Grade Level: 11-12**

An internship is a work-based learning experience where a student participates in the daily operation of a work site under the direct supervision of a business mentor. The internship provides a realistic environment within which a student intern learns about a Particular industry or occupation and applies knowledge and skills learned in the classroom.

The work experience should contribute to the student's career pathway helping the student to narrow their career choices.

Health Science

BIOMEDICAL TECHNOLOGY

Credit 1.0

Grade Level: 9-10

This course challenges students to investigate current medical and health care practices using technology and advances in health care research. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English language arts and science are reinforced in this course. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. This course is required for continuation in the Health Sciences pathway.

Prerequisite: None

HEALTH SCIENCE I

Credit 1.0

Grade Level: 10-12

This course focuses on human anatomy, physiology and human body diseases and disorders, and biomedical therapies. Students will learn about health care careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course. Course is a **MUST** prior to admittance into Health Science II. Entry into Health Science II is based on attendance, attitude and overall performance in Health Science.

Prerequisite: Biomedical Technology recommended

HEALTH SCIENCE II*

Credit 1.0

Grade Level: 11-12

This course is designed to help students expand their understanding of financing and trends of health care agencies, fundamentals of wellness, legal and ethical issues, concepts of teamwork, and effective communication. Students will learn health care skills, including current CPR and first aid training. Students are required to submit an up to date shot record. The shot record **MUST** include, MMR, Hepatitis B series, TB skin test and TDap booster. ***Please note clinical observation involves the purchasing of clinical uniforms, shoes and transportation to school for early morning drop off, and a criminal background check. The rough estimate of cost is \$80.**

Prerequisite: Health Science I. Students with more than 10 absences or lower than an 80 in Health Science I will not be considered.

Placement in this course is determined by the instructor.

NURSING FUNDATMENTALS

Credit 2.0

Grade Level: 12

This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NAI) curriculum and helps prepare students for the National Nurse Aide Assessment (NNAAP). Students who pass the NNAAP become listed on the NC NAI Registry. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include a required clinical internship in a long-term care agency. Healthcare agencies may require testing for tuberculosis and/or other diseases and a criminal record check for felonies related to drugs. This class has is capped at 10 students. **Placement in this course is determined by the instructor through an application and interview process.**

Prerequisite: Health Science II

PHARMACY TECHNICIAN

Credit 1.0

Grade Level: 12

This course has self-paced, on-line instruction designed to prepare high school seniors for a pharmacy technician career. Topics included in this course are federal law, medication used in major body systems, calculations, and pharmacy operations. Mathematics is reinforced in this course. This course is accredited by the Accreditation Council for Pharmacy Education (APCE). Upon successful completion of this course and after graduation, the student is eligible to take the Pharmacy Technician Certification Board (PTCB) exam. Pharmacy clinical experience is recommended. This class has is capped at 10 students. **Placement in this course is determined by the instructor through an application and interview process.**

Prerequisite: Health Science II

Human Services: Early Childhood

TEEN LIVING

Credit 1.0

Grade Level: 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 teen years. Through simulated experiences, students will learn to fulfill their responsibilities associated with the work of the family and community. Skills in mathematics, communications, science, technology, and personal and interpersonal relationships are reinforced.

Prerequisite: None

PARENTING AND CHILD DEVELOPMENT

Credit 1.0

Grade Level: 10-12

This course introduces students to responsible nurturing and basic applications of child development theory. Emphasis is on responsibilities of parents, readiness for parenting, and the influence parents have on children while providing care and guidance. Skills in planning, communication, resource management, and problem solving are reinforced. The focus is on children from infancy to age six. This course is a recommended prerequisite for Early Childhood Education I.

Prerequisite: None

EARLY CHILDHOOD EDUCATION I

Credit 2.0

Grade Level: 11-12

Early Childhood Education I is the first course in a two-course, four-credit sequence designed to prepare students to work with young children in early education and child care settings. The focus is on children from infancy to age twelve. Major areas of study include personal and professional growth, observation and teaching methods, guidance techniques, health and safety policies and procedures, child development from birth to age twelve, developmentally appropriate activities and programs, history of the early childhood field, and opportunities in early childhood education. This is a two-credit course with work-based learning comprising 50 percent of instructional time. Because students intern in early childhood centers that must meet North Carolina Child Care General Statute 110.91, Section 8, **students must be sixteen years of age** prior to beginning the work-based placement in order to enroll in this course **and must show current proof of having had a negative TB test and a clear criminal background.**

Note: Students must complete the entire course in order to receive two credits. If a student does not complete the entire course, no credit is given because the course requirements have not been met.

Prerequisite: Minimum 2.0 GPA, no more than nine absences in the previous semester, no office referrals, a clear Criminal Background Check, and a negative TB test are required (approximately \$15 cost). Parenting and Child Development is recommended.

EARLY CHILDHOOD EDUCATION II*

Credit 2.0

Grade Level: 12

Early Childhood Education II is the second course in a two-course, four-credit sequence designed to prepare students to work with young children in early education and child care settings. The focus is on children from infancy to age twelve. Major areas of study include personal and professional growth, observation and teaching methods, guidance techniques, health and safety policies and procedures, developmentally appropriate activities and programs, history of the early childhood field, opportunities in early childhood education, teaching methods, program planning and management, entrepreneurship skills, and technology. This is a two-credit course with work-based learning comprising 50 percent of instructional time. Because students intern in early childhood centers that must meet North Carolina Child Care General Statute 110.91, Section 8, **students must be sixteen years of age** prior to beginning the work-based placement in order to enroll in this course **and must show current proof of having had a negative TB test and a clear criminal background.** **Note: Students must complete the entire course in order to receive two credits. If a student does not complete the entire course, no credit is given because the course requirements have not been met.**

Students who successfully complete both Early Childhood Education I and II with a grade of B or higher in each and a score of 93 or higher on both standardized CTE post-assessments may be eligible to apply for the North Carolina Childhood Credential Equivalency (NCECC), through the NC Division of Child Development and can receive credit for EDU 119 upon enrollment (within one year of high school graduation) in a NC community college.

Prerequisite: Clear Criminal Background Check, and a negative TB test are required (approximately \$15 cost). Grade of 80 or better in Early Childhood Education I and teacher recommendation.

Transportation, Distribution, & Logistics: Automotive Technology

INTRODUCTION TO AUTOMOTIVE SERVICE

Credit 1.0

Grade Level: 9-12

This course introduces automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Also careers and various job opportunities in the automotive repair industry will be discussed. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced. Work-based learning strategies appropriate for this course include job shadowing. Apprenticeship and cooperative education are not available for this course. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Prerequisite: Math I or completion of Math I recommended

AUTOMOTIVE SERVICE I

Credit 1.0

Grade Level: 10-12

This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing and basic testing of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced. Work-based learning strategies appropriate for this course include job shadowing. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, and job shadowing. SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Prerequisite: Introduction to Automotive Service

AUTOMOTIVE SERVICE II*

Credit 1.0

Grade Level: 10-12

This course builds on the knowledge and skills introduced in automotive servicing I and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced. Work-based learning strategies appropriate for this course include job shadowing. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, and job shadowing. This course helps prepare students for the Automotive Service Excellence (ASE) certification in Maintenance and Light Repair (MLR- G1). SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Prerequisite: Automotive Service I

AUTOMOTIVE SERVICE III

Credit 1.0

Grade Level: 10-12

This course builds on the skills and knowledge introduced in Automotive Service I & II. Building advanced automotive skills and knowledge in vehicle servicing, testing, repair, and diagnosis of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, while emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, and job shadowing. This course helps prepare students for the Automotive Service Excellence (ASE) certification in Maintenance and Light Repair (MLR- G1). SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Prerequisite: Automotive Service II

Science, Technology, Engineering & Mathematics: Drafting Engineering

PRINCIPLES OF TECHNOLOGY I

Credit 1.0

Grade Level: 9-12

This course provides a project based learning approach to understanding the fundamental principles and concepts of physics and associated mathematics. Emphasis is placed on understanding mechanical, electrical, fluid, and thermal systems as they relate to work, force, rate, resistance, energy, and power. Art, English language arts, mathematics and science are reinforced.

Prerequisite: Math I recommended

DRAFTING I

Credit 1.0

Grade Level: 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, and geometric construction techniques as well as CAD (Computer Aided Design), orthographic projection, and oblique and isometric drawings. Skills in communication, mathematics, science, leadership and problem

solving are reinforced in this class.

Prerequisite: Enrolled in Math I or completion of Math I recommended

DRAFTING ENGINEERING II*

Credit 1.0

Grade Level: 10-12

This course focuses on engineering graphics related subjects introducing the student to symbol libraries, industry standards, and sectioning techniques. Topics include coordinate systems, principles of machine processes and gearing, and the construction of 3-D wire-frame models using CAD. Mathematics, science, and mechanical engineering concepts involving the working principles and design of cams and gears are reinforced in this class.

Prerequisite: Drafting I

DRAFTING ENGINEERING III

Credit 1.0

Grade Level: 11-12

This course introduces the student to advanced engineering concepts. Using CAD tools, topics studied include descriptive Math II, geometric tolerance, and advanced engineering design concepts such as surface and solid modeling. Science and mathematics are reinforced in this class.

Prerequisite: Drafting Engineering II; Math II highly recommended.

Architecture & Construction: Drafting Architectural

DRAFTING I

Credit 1.0

Grade Level: 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, and geometric construction techniques as well as CAD (Computer Aided Design), orthographic projection, and oblique and isometric drawings. Skills in communication, mathematics, science, leadership and problem solving are reinforced in this class.

Prerequisite: Enrolled in Math I or completion of Math I recommended

DRAFTING ARCHITECTURAL II*

Credit 1.0

Grade Level: 10-12

This course is focused on the principles, concepts, and use of complex graphic tools used in the field of architecture, structure 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 in this class.

Prerequisite: Drafting I

DRAFTING ARCHITECTURAL III

Credit 1.0

Grade Level: 11-12

This course introduces students to advanced architectural design concepts. Emphasis is placed on the use of CAD tools in the design and execution of site and foundation plans as well as topographical information and detail drawings of stairs and wall sections.

Prerequisite: Drafting Architectural II; Math II recommended.

Architecture & Construction: Carpentry & Electrical Trades

These courses are offered at Pasquotank County High School and are subject to availability.

CORE AND SUSTAINABLE CONSTRUCTION (PCHS ONLY)

Credit 1.0

Grade Level: 9-12

This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all of the NCCER curriculum-area programs, and an additional Green module. The course content includes: basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, material handling, basic communication skills, and basic employability skills, and "Your Role in the Green Environment". The additional Green module has been added to provide students with instruction in the green environment, green construction practices, and green building rating systems. Also it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for additional National Center for Construction Education and Research (NCCER) Core certification.

CARPENTRY I (PCHS ONLY)

Credit 1.0

Grade Level: 10-12

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification.

Prerequisite: Core and Sustainable Construction

CARPENTRY II (PCHS ONLY)

Credit 1.0

Grade level 10-12

This course covers additional technical aspects of carpentry with emphasis on development of intermediate skills. The course content includes floor systems, wall and ceiling framing, roof framing, introductions to concrete, reinforcing materials and forms, windows and exterior doors, and basic stair layout. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification.

Prerequisite: Carpentry I

ELECTRICAL TRADES I (PCHS ONLY)**Credit 1.0****Grade Level: 10-12**

This course covers basic electrical trades' terminology and develops technical aspects of electrical trades with emphasis on development of introductory skills such as residential wiring, electrical installation, and service. Topics include basic electricity, electrical construction codes and practices, the National Electrical Code, the use of test equipment, and electrical hand and power tools. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, internship, and job shadowing. This course helps prepare students for National Center for Construction Education and Research (NCCER) certification.

Prerequisite: Core and Sustainable Construction

ELECTRICAL TRADES II* (PCHS ONLY)**Credit 2.0****Grade Level: 11-12**

This course provides advanced instruction in residential wiring and introduction to electrical theory including AC and DC circuits. Emphasis is placed on test equipment, electrical color coding, conduit bending and installation, electrical measurements, use of polyphase current, specialty tools, transformers, and generators. Skills in safety, leadership, reading, mathematics, and problem-solving are reinforced in this course. (This course is offered in back-to-back blocks during a single semester at PCHS only.)

Prerequisite: Electrical Trades I

Law, Public Safety, Corrections, & Security: Firefighter Academy

These courses are offered at Pasquotank County High School and are subject to availability.

PUBLIC SAFETY I (PCHS ONLY)**Credit 1.0****Grade Level: 11-12**

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced. Work-based learning strategies appropriate for this course include job shadowing. Apprenticeship and cooperative education are not available for this course.

Prerequisite: Must have your own transportation (all PCHS prerequisites will apply)

FIREFIGHTER TECHNOLOGY I (PCHS ONLY)**Credit 1.0****Grade Level : 11-12**

This course covers part of the NC Fire Fighter I/II combination certification modules required for all fire fighters in North Carolina. The modules include: Fire Department Orientation and Safety; Fire Prevention, Education, and Cause; Fire Alarms and Communications; Fire Behavior; Personal Protective Equipment; Portable Fire Extinguishers; and Fire Hose, Streams, and Appliances. English language arts are reinforced. Work-based learning strategies appropriate for this course including job shadowing. Apprenticeship and cooperative education are not available for this course. This course prepares students for the North Carolina Fire Fighter I/II certification modules.

Prerequisite: Must have your own transportation (all PCHS prerequisites will apply)

FIRE FIGHTER TECHNOLOGY II* (PCHS ONLY)**Credit 1.0****Grade Level : 11-12**

This course covers additional NC Fire Fighter I/II combination certification modules required for all fire fighters in North Carolina. The modules include: Ropes; Ladders; Forcible Entry; Ventilation; Water Supply; Sprinklers; and Foam Fire Stream. English language arts are reinforced. Work-based learning strategies appropriate for this course including job shadowing. Apprenticeship and cooperative education are not available for this course. This course prepares students for the North Carolina Fire Fighter I/II certification modules.

Prerequisite: Firefighter Tech I. Must have your own transportation. (PCHS prerequisites will also apply)

FIRE FIGHTER TECHNOLOGY III (PCHS ONLY)**Credit 1.0****Grade Level: 11-12**

In this course, students select one specific occupation in the Career Cluster and conduct research to include the nature of the work, work environment, training, education, and advancement, and job prospects. Work-based learning strategies appropriate for this course including job shadowing and internship. Apprenticeship and cooperative training are not available for this course.

Prerequisite: Firefighter Tech II. Must have your own transportation. (PCHS prerequisites will also apply)

CTE Clusters

The following tables detail the CTE courses available to complete a cluster. In order to complete a CTE cluster, a student would need to take three foundational courses and one additional enhancement or foundational course from the same Cluster. One of the foundational courses would have to be a completer. Completer courses are indicated on the table below in italics and with a * following the course name.

Agriculture, Food, & Natural Resources

Foundational Courses	Enhancement Courses
Animal Science I	Career Management
<i>Animal Science II*</i>	Principles of Business and Finance
Animal Science II – Small Animal	Microsoft Word, PowerPoint & Publisher
Veterinary Assisting	Marketing
Horticulture I	CTE Internship & CTE Apprenticeship
<i>Horticulture II*</i>	
Horticulture II – Turfgrass Management	
Horticulture II – Landscape Construction	
Environmental & Natural Resources I	
<i>Environmental & Natural Resources II*</i>	

Business Management & Administration

Foundational Courses	Enhancement Courses
Principles of Business	Career Management
Microsoft Word, PowerPoint & Publisher	Multimedia and Webpage Design
Entrepreneurship I	Marketing
<i>Business Management*</i>	CTE Internship & CTE Apprenticeship
<i>Business Law *</i>	Personal Finance
<i>Entrepreneurship II*</i>	

Health Science

Foundational Courses	Enhancement Courses
Biomedical Technology	Career Management
Health Science I	Principles of Business
<i>Health Science II*</i>	Microsoft Word, PowerPoint & Publisher
Nursing Fundamentals – 2 credits	Marketing
Pharmacy Technician	Parenting and Child Development
	CTE Internship & CTE Apprenticeship

Human Services

Foundational Courses	Enhancement Courses
Teen Living	Career Management
Principles of Business	Microsoft Word, PowerPoint & Publisher
Parenting & Child Development	CTE Internship & CTE Apprenticeship
Early Childhood Education I – 2 credits	
<i>Early Childhood Education II*– 2 credits</i>	

Architecture & Construction

Foundational Courses	Enhancement Courses
Principles of Business and Finance	Career Management
Teen Living	Microsoft Word, PowerPoint & Publisher
Drafting I	Multimedia
<i>Drafting II – Architectural *</i>	Marketing
Drafting III – Architectural	CTE Internship & CTE Apprenticeship

Science, Technology, Engineering & Mathematics

Foundational Courses	Enhancement Courses
Principles of Technology I	Career Management
Drafting I	Microsoft Word, PowerPoint & Publisher
<i>Drafting II – Engineering*</i>	Multimedia
Drafting III – Engineering	Principles of Business
	CTE Internship & CTE Apprenticeship

Transportation, Distribution and Logistics

Foundational Courses	Enhancement Courses
Introduction to Automotive Service	Career Management
Automotive Service I	Microsoft Word, PowerPoint & Publisher
<i>Automotive Service II*</i>	CTE Internship & CTE Apprenticeship
Automotive Service III	
Marketing	

Exceptional Children

Program Description

Students with disabilities, who have an Individual Education Plan (IEP) are eligible for special education services. The IEP specifies the special education services and accommodations needed by the student at the time the IEP is written. Changes to the IEP must be made through the IEP team process. The functional level of the student rather than the student's specific disability determines the Course of Study that is recommended by the team. Courses for the students pursuing the graduation certificate will include English, Math, Social Studies, Science, Independent Living, community-based and job related work skills instruction as designated by the Individual Education Plan. The Occupational Course of Study is designed to provide high school students who are eligible to participate in this course of study, as determined by the IEP Team, the skill needed to develop a foundation for work that will enable them to make informed vocational choices. This program addresses the skills that are necessary for successful adult living.

ENGLISH I

Credit 1.0

Grade Level 9

The OCS English I course is intended for Occupational Course of Study (OCS) students. This course is strategically aligned with Common Core Standards for English I. Students will gain mastery of curricular concepts through a survey of world literature. Through the examination vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing, and research focusing on career readiness, the student will explore, examine, and evaluate a wide variety of modes of expression.

ENGLISH II

Credit 1.0

Grade Level 10

The course is intended for Occupational Course of Study (OCS) students. This course is strategically aligned with Common Core Standards for English II. Students will mastery of curricular concepts through a survey of world literature. Through the examination of vocabulary including prefixes and suffixes, literary genres including fables and short stories, textual analysis through poetry, drama, fiction and nonfiction, persuasion and argumentation, presentation techniques, cause and effect writing and research focusing on global awareness, they student will explore, examine, and evaluate a wide variety of modes of expression. The English II (End of Course) exam is administered at the end of the semester for this course.

Prerequisite: English I

ENGLISH III

Credit 1.0

Grade Level 11

This course is intended for Occupational Course of Study (OCS) students. This course is strategically aligned with Common Core Standard for English III. Students will gain mastery of curricular concepts through a survey of American literature. Through the examination of grammatical concepts including parts speech, punctuation, sentence and paragraph structure as well as various literary genres including Oral folklore, drama, poetry, short stories, and various persuasive text, including the development of a comprehensive research-based persuasive essay, the student will explore, examine, and evaluate a wide variety of modes of expression. The student will apply language expression for life-skills writing, speaking, and listening skills.

Prerequisite: English II

ENGLISH IV

Credit 1.0

Grade Level 12

This course is in intended for Occupational Course of Study (OCS) student. This course is strategically aligned with Common Core standards for English IV. Students will gain mastery of curricular concepts through a survey of Western European, primarily British, literature. Through the examination of grammatical concepts including parts of speech, punctuation, sentence3 and paragraph structure as well as various literary genres including Oral folklore, drama, poetry, short stories, and various persuasive texts, including the development of a comprehensive research-based persuasive essay, the student will explore, examine, and evaluate a wide variety of modes of expression for life-skills writing, speaking and listening skills. The course is further designed to help students prepare for a culminating senior project.

Prerequisite: English III

CURRICULUM ASSISTANCE

Credit 1.0

Grade Level 9-12

This course is designed for students with disabilities who are pursuing the Future Ready Core course of study and are participating in regular education courses. The course provides instruction in study skills and learning strategies necessary for success in the regular curriculum. The focus is on skills identified in the IEP and the relationship of those IEP goals to the courses in which the student is enrolled.

INTRO TO MATHEMATICS I

Grade Level 9

Credit 1.0

This course is intended for Occupational Course of Study (OCS) students. The Introduction to Mathematics Course teaches the Essential Standards for Introductory Math and prepares the students for Local Developed Math Elective and Math I. Students learn introductory algebra and important life-skills in nine engaging units covering working with numbers, fractions and decimals, rates and ratios, time and management, working with algebraic expressions, solving equations and inequalities, working with points and lines, working with data sets, and working with basic geometric figures.

Prerequisite: None

LOCAL ELECTIVE MATH I

Grade Level 10

Credit 1.0

This course is intended for Occupational Course of Study (OCS) students. The Locally Developed Math Elective course teaches Common Core Standards for math and prepares students for the subsequent course, Math 1. Successful completion of both the Locally Developed Math Elective Course and Math I will be the Math I requirement. Students will receive two credits: Locally Developed Math Elective Course as an elective credit and Math I as the Math credit.

Prerequisite: Intro to Mathematics

MATH I

Grade Level 10

Credit 1.0

This course is intended for Occupational Course of Study (OCS) students. The Math I course teaches the Common Core Standards for Math I and is the second course in the Math I sequence. Successful completion of both the Locally Developed Math Elective Course and Math I will fulfill the Math I requirement. Students will receive two credits: Locally Developed Math Elective Course as an elective credit and Math I as the Math credit. The Math I (End of Course) exam is administered at the end of the semester for this course.

Prerequisite: Local Elective Math I

FINANCIAL MANAGEMENT

Grade Level 11

Credit 1.0

This course is intended for Occupational Course of Study (OCS) students. The Financial Management course teaches NC Essential Standards for Financial Management and equips students with the skills needed for independent living. This course helps develop an understanding of state and federal income taxes, wage compensation, the use of credit, different insurance types, budgeting and consumer spending.

Prerequisite: Mathematics I

APPLIED SCIENCE

Grade Level 9

Credit 1.0

This course is intended for Occupational Course of Study (OCS) students. The Applied Science course teaches environmental, physical and life science concepts in nine engaging units covering human impacts on the environment, energy and its conservation, properties of matter, danger and uses of common chemicals, force and motion, electricity and magnetism, and the human body.

Prerequisite: None

BIOLOGY

Credit 1.0

This course is intended for Occupational Course of Study (OCS) students will develop an understanding of biological processes and discover how life science is an integral part of other sciences and society. Students will have opportunities to engage in hands-on, as well as mind-on activities that are aligned with the North Carolina Essential Standards. They will gain an understanding of the cell, molecular basis of heredity, and biological evolution. They will investigate the interdependence of organisms as well as acquire an understanding of the matter, energy and organization in living systems. The Biology (End of Course) exam is administered at the end of the semester.

Prerequisite: Applied Science

AMERICAN HISTORY I

Credit 1.0

Grade Level 11

This course is intended for Occupational Course of Study (OCS) students. The course is intended to be taught prior to the American History II course. The American History I course is strategically aligned with the North Carolina Essential Standards for American History I. The course follows the Founding Principles Act and begins with the European Exploration and Colonization of the New World and follows chronologically through Post-Civil War Reconstruction. Students will learn about the important political, social, and economic factors that contributed to the development of colonial America, the onset of the American Revolution, and the results of the Revolution including the founding of the United States government and the drafting of founding document including the Constitution and the Bill of Rights. Students will also learn about early domestic and foreign policy, westward expansion, reform, immigration, and the cultural variances that have both united and divided America.

Prerequisite: None

AMERICAN HISTORY II

Credit 1.0

Grade Level 11

This course is intended for Occupational Course of Study (OCS) students. It is a sequel course to American History I. The course is strategically aligned with the North Carolina Essential Standards for American History II. The course follows the Founding Principles Act and begins with late 19th century American history to the 21st century. Students will learn about the important political, social, and economic factors that transformed the ethnic composition of America and America's dependence on evolving technologies. Students will also learn about 19th-21st century domestic and foreign policy, westward expansion, reform movements, immigration, and the cultural variances that have both united and divided America.

Prerequisite: American History

OCCUPATIONAL PREPARATION

OCCUPATIONAL PREPARATION I Grade Level 9

Credit 1.0

OCCUPATIONAL PREPARATION II Grade Level 10

Credit 2.0

OCCUPATIONAL PREPARATION III Grade Level 11

Credit 2.0

This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses developing skills generic to all career majors and further refinement of job seeking skills.

Prerequisite: None

OCCUPATIONAL PREPARATION IV

Credit 1.0

Grade Level 12

This course gives students the opportunity to synthesize all the skills acquired in previous Occupational Preparation courses and apply them to their personal career choice. Students finish completing the 900 hours required for successful completion of the Occupational Course of Study. Students will also develop a job placement portfolio that provides an educational and vocational record of the high school experience.

Prerequisite: Occupational Preparation III



"Soaring to New Heights"