

HOW TO BEST USE THE CURRICULUM COURSE GUIDE.....	3
NORTH CAROLINA STATE BOARD OF EDUCATION VISION AND GOALS.....	5
NEW HANOVER COUNTY SCHOOLS MISSION STATEMENT	5
GENERAL CURRICULUM	5
STUDENT LEARNING OPPORTUNITIES.....	6
ADVANCED PLACEMENT PROGRAM (AP).....	6
ENGLISH AS A SECOND LANGUAGE PROGRAM (ESL)	7
STRIVING TO ACHIEVE EXCELLENCE (STAE)	7
NORTH CAROLINA VIRTUAL PUBLIC SCHOOL (NCVPS).....	8
NORTH CAROLINA CAREER AND COLLEGE PROMISE	10
COMMUNITY COLLEGE DUAL CREDIT ALLOWANCES FOR CAREER & COLLEGE PROMISE.....	12
ADVANCED STUDY - UNIVERSITY OF NORTH CAROLINA WILMINGTON.....	16
SCHOOL BASED SPECIALTY PROGRAMS AND ACADEMIES QUICK REFERENCE CHART	17
INTRODUCTION TO OUR HIGH SCHOOLS & SPECIALTY PROGRAMS	18
ASHLEY HIGH SCHOOL	18
CAREER READINESS ACADEMY AT MOSLEY	19
HOGGARD HIGH SCHOOL.....	20
ISAAC BEAR EARLY COLLEGE HIGH SCHOOL.....	21
LANEY HIGH SCHOOL.....	22
NEW HANOVER HIGH SCHOOL	23
SOUTHEAST AREA TECHNICAL HIGH SCHOOL (SEA-TECH)	24
WILMINGTON EARLY COLLEGE HIGH SCHOOL	25
NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY.....	26
COURSE ENROLLMENT PROCESS	27
TESTING.....	27
PROMOTION REQUIREMENTS	28
GRADUATION REQUIREMENTS.....	28
REPEATING A COURSE PREVIOUSLY FAILED OR PASSED	30
HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL	30
CREDIT RECOVERY VS. REPEATING A COURSE FOR CREDIT	30
FOUR-YEAR GRADUATION PLANNING TOOL FOR STUDENTS AND FAMILIES.....	31
THREE-YEAR ACCELERATED GRADUATION PLAN	32
GUIDELINES FOR ESTABLISHING RANK	34
INTERNATIONAL BACCALAUREATE COURSE WEIGHT SCALE.....	36
HIGH SCHOOL DIPLOMA ENDORSEMENTS.....	37
NC FUTURE-READY CORE COURSE OF STUDY (Plan A).....	40
NC FUTURE-READY CORE COURSE OF STUDY (Plan B).....	41
NC OCCUPATIONALCOURSE OF STUDY	42
COLLEGE ADMISSIONS REQUIREMENTS.....	43
ARTS EDUCATION	44
VISUAL ARTS	44
DANCE	47
MUSIC	48
ORCHESTRA	51
CAREER TECHNICAL AND EDUCATION	55
CTE CAREER AND COLLEGE PROMISE	55
CAREER AND TECHNICAL EDUCATION PATHWAYS.....	55
CAREER CLUSTERS	56
CAREER AND TECHNICAL EDUCATION ACADEMIES	62
AGRICULTURAL EDUCATION.....	63
BUSINESS, FINANCE AND MARKETING EDUCATION	64
COMPUTER SCIENCE AND INFORMATION TECHNOLOGY EDUCATION	68
FAMILY AND CONSUMER SCIENCE	70
HEALTH SCIENCE.....	74
TRADE, TECHNOLOGY, ENGINEERING, AND INDUSTRIAL EDUCATION	76
SUPPLEMENTAL EMPLOYABILITY SKILLS COURSES	84
ENGLISH	86
ENGLISH AS A SECOND LANGUAGE	90
HEALTHFUL LIVING EDUCATION	91
INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME	92
NON-SUBJECT-SPECIFIC COURSES.....	97

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)	99
MATHEMATICS	105
SCIENCE	110
SOCIAL STUDIES	116
WORLD LANGUAGES	122
SPECIAL EDUCATION AND RELATED SERVICES	128
2020 – 2021 Quick Reference Course Listing	135

NONDISCRIMINATION STATEMENT

In compliance with federal law, including the provisions of Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act (ADA), NC Public Schools administers all state-operated educational programs, employment activities, and admissions without discrimination because of race, religion, national or ethnic origin, color, age, military service, disability, or gender, except where exemption is appropriate and allowed by law.

Inquires or complaints should be directed to:

Student Support and Federal Programs
6410 Carolina Beach Road
Wilmington, NC 28412
Telephone (910) 254-4456; fax (910) 254-4352



HOW TO BEST USE THE CURRICULUM COURSE GUIDE

Over the past few years, with the various changes in state policies and course offerings, the NHCS Curriculum Course Guide has become a vital source of information for both parents and students. This course selection guide was developed to assist students and their parents in outlining a high school course of study. All students and parents should read this information carefully and give deliberate thought to the student's interests and plans for the future.

Every rising 9th grader receives a hard copy of this Course Guide and we encourage these students to keep this copy - it will be the only hard-copy the student receives during their time with New Hanover County Schools. This Course Guide outlines the graduation requirements for each particular cohort.

Parents and students also should be aware that all courses may not be available at the student's home school. The final school schedule is based on student requests. Some courses may not be taught if there are insufficient student requests.

As alluded to in the above paragraphs, changes are always happening with course offerings and state and district academic policies. Based on these ever-changing circumstances, we encourage students and parents to reference the online version of the Curriculum Course Guide on the NHCS webpage.

*****The online version will always be the most accurate and up-to-date edition of this resource.**

With this mind, there are a few important policies and new opportunities we would like to highlight:

- The state's social studies requirements have undergone a change for incoming freshmen and beyond (students starting high school in 2020-2021). The following four social studies courses must be successfully completed for graduation: (1) World History, (1) Civics Course: either Civics and Economics or Civic Literacy, (1) American History course: either American I, American II, American History, or AP U.S. History and (1) Economics and Personal Finance (EPF). Please see your school counselor for scheduling questions and options.
- New Career and College Ready Graduate Course (CCRG) opportunity. The State Board of Community Colleges, in consultation with the State Board of Education, has developed a program that introduces the college developmental mathematics and developmental reading and English curriculums in the high school senior year and provides opportunities for college remediation for students prior to high school graduation through cooperation with community college partners. Starting in 2020-2021, the English offering will be blended into the on-level English IV course and the mathematics modules will be offered in several different math courses. Please see your school counselor for more details.
- When advanced courses are offered in mathematics, any student scoring a level five on the end-of-grade or end-of-course test for the mathematics course in which the student was most recently enrolled shall be enrolled in the advanced course for the next mathematics course in which the student is enrolled. No student who qualifies under this subsection shall be removed from the advanced or high school mathematics course in which the student is enrolled unless a parent/guardian of the student provides written consent for the student to be excluded or removed from that course.
- Future Teachers Career Academy at Isaac Bear Early College High School is now in operation (FTCA). The Future Teachers Career Academy is a small learning community for high school students interested in a career in teaching. The innovative program is designed to attract and prepare future teachers to make a positive difference for children. Students will have opportunities to volunteer, teach and experience education from many points of view, and become leaders in their classrooms and schools.
- The typical NHCS graduate will finish with 28 course credits. To help guide this process, we do have a four-year graduation planning guide on page twenty-seven. Some students do graduate in three years and they are eligible, upon approval of their high school principal and the NHCS district office, to graduate with 25 course credits (page 33). Whether you would like to graduate in four years or three, please consult a school counselor in order to best customize your schedule.

- Students must have the following credits for grade-to-grade promotion:

9 th	to	10 th grade	6 credits*
10 th	to	11 th grade	12 credits
11 th	to	12 th grade	20 credits

*Of these six (6) credits required for promotion to 10th grade, two must be from English, math, science, or social studies.

- Upon successful completion of a high school content course, middle school students will earn a high school credit towards graduation; however, **the actual grade from this coursework taken in middle school will not count toward the high school Grade Point Average (GPA).**
- All students begin accumulating their official high school GPA upon entering high school coursework following the day after completion of 8th grade (June or later for most students).
- Beginning with the 2015-2016 school year, students repeating a course that they have previously failed, may have their new grade completely replace the failing mark on their high school transcript (**meaning only the new course grade will be factored into the student's GPA and listed on the transcript**).

In regards to testing, students repeating a course for credit shall receive a grade and take the associated End of Course Assessment (EOC). Those students who have already scored at Level 3, 4, or 5 on the associated EOC assessment may elect either to retake the EOC or use the previous passing EOC score as at least 20% of their final grade. If the student retakes the EOC, the higher of the two scores will be used in the calculation of the final grade.

- Beginning with the 2015-2016 school year, students that pass a course but would like to repeat the course to improve their grade and knowledge may do so. **If the student scores a higher grade on the second attempt, the original course and grade will be removed from the transcript and only the new course grade will be factored into the student's GPA and listed on the transcript.** The higher of the two grades will be the one factored into the student's Grade Point Average – even if they do worse on the second attempt.
A student may only earn credit towards graduation for a course once. Please see your school counselor for more information.
- Students beginning high school **in or after** the 2015-2016 school year will operate under the following weighted course scale: Honors courses will receive an additional .5 weight. Advanced Placement and all other community college* and university courses will receive an additional 1 point of weight.

***Note:** *Career Technical Education (CTE) Pathway courses do not count as weighted credit toward the student's high school Grade Point Average (GPA).*

NORTH CAROLINA STATE BOARD OF EDUCATION VISION AND GOALS

Every public school student will graduate ready for post-secondary education and work, prepared to be a globally engaged and productive citizen. The goals are as follows:

- Goal 1: Every student in the NC Public School System graduates from high school prepared for work, further education and citizenship.
- Goal 2: Every student has a personalized education.
- Goal 3: Every student, every day has excellent educators.
- Goal 4: Every school district has up-to-date financial, business, and technology systems to serve its students, parents and educators.
- Goal 5: Every student is healthy, safe, and responsible.

NEW HANOVER COUNTY SCHOOLS MISSION STATEMENT

The mission of New Hanover County Schools, in collaboration with our parents and the community, is to strive to provide children with an opportunity for a superior education in a safe and positive learning environment where they are prepared with the skills to succeed.

GENERAL CURRICULUM

New Hanover County Schools offers curriculum that is comprehensive and flexible, providing a wide variety of course offerings and special programs. This curriculum allows each student to complete a high school program designed around the student's needs and interests. Every effort is made to offer all courses at each high school within constraints imposed by enrollment and personnel. **Elective offerings may vary at each high school.**

In addition to traditional classroom offerings, eligible students can participate in the state's approved online high school program known as North Carolina Virtual Public School (NCVPS). NCVPS provides, at no charge to a NHCS student, an online high school courses to public school students throughout North Carolina. Students may access virtual learning courses from anywhere at any time. Grades earned through NCVPS become part of a student's academic record as the student works toward graduation goals. Registration must occur at each school through the E-Learning Advisor. While this is an exciting opportunity for all of our students, it is important to note that virtual learning may not be appropriate for all learners. Please consult school counselors, teachers, and other school administrators for scheduling advice and course availability. Additional information about NCVPS can be found at <http://www.ncvps.org/>.

Additionally, students meeting the admission criteria may take dual enrollment courses at the University of North Carolina at Wilmington or at Cape Fear Community College through the North Carolina Career & College Promise program. Each of these programs is covered more extensively in this Curriculum Course Guide.

Each high school offers a full continuum of services to students with disabilities. These services are specified through an Individualized Education Plan (IEP) or an Individualized Accommodation Plan (IAP or 504 plan) designed to meet individual student needs. Every school has a system of intervention, evaluation, and service delivery that provides access to these services. Students and parents can obtain more information about IEP (special education) services from the Special Education department chairperson and more information about IAP (504) services from the 504 Coordinator at each school.

Academically or Intellectually Gifted (AIG) services are offered through enrollment in rigorous honors and Advanced Placement courses at each school. An AIG Specialist has been provided at each high school to help offer additional scheduling and academic support for students and parents.

STUDENT LEARNING OPPORTUNITIES

ADVANCED PLACEMENT PROGRAM (AP)

The Advanced Placement (AP) program offers college level courses and exams for secondary students in the areas of English, mathematics, social studies, and science. Select second languages and arts classes may also be offered. AP course offerings may vary at each high school. AP courses may also be available through North Carolina Virtual Public School (NCVPS). In May, students are encouraged to demonstrate their proficiencies on the appropriate Advanced Placement examinations. **The exams are offered free to all students enrolled in an AP course.** Students may earn university course exemption and/or credit. These exams are scheduled, designed, and graded by the College Board. Additional information can be found at <http://www.collegeboard.org>.

The chart below highlights Advanced Placement courses that can be taken in the place of North Carolina graduation requirements because of the similarity of the curriculums. AP courses do provide students with a higher weighted grade point average than honors or standard level courses; *however*, Advanced Placement courses are **very challenging** and require significant amounts of outside reading and writing. Please see a school counselor and/or an AP teacher for scheduling assistance.

For more information on specific AP course weight for your particular graduation cohort, please see page 35 – 36.

Advanced Placement Course	North Carolina Course That AP Course Can Replace
AP English Language and Composition	English III
AP Literature and Composition	English IV
AP Environmental Science	Earth and Environmental
AP Chemistry	A Physical Science (5 physical science options)
AP Physics	A Physical Science (5 physical science options)
AP Biology*	Biology*
AP World Modern History	World History
AP US History**	American History I and II and the new 2020-2021 American History

***Note:** *Students taking AP Biology in place of the North Carolina created Biology course will still need to take the state required End-of Course exam that was created for the NC Biology course.*

****Note:** *Students entering high school in 2019-2020 or before, electing to take AP US History instead of American History I and II will need to take one additional social studies elective in order to fulfill the state requirement of four social studies credits to graduate. An additional social studies AP course or other social studies elective can be taken to fulfill this fourth requirement.*



CREDIT BY DEMONSTRATED MASTERY (CDM)

The State Board of Education defines “mastery” as a student’s command of course material at a level that demonstrates a deep understanding of the content standards and the ability to apply his or her knowledge of the material.

Credit by Demonstrated Mastery (CDM) is a two-phase process where a student can earn credit in a high school course without requiring classroom instruction or classroom seat time. Phase One requires a level 5 on an EOC exam, 90% accuracy on a cumulative exam or North Carolina Final Exam. Phase Two requires a student artifact that demonstrates a deep understanding of the course content, and is evaluated by the school's CDM team. The CDM process is available to any student in high school attempting to demonstrate mastery of a high school course available in New Hanover County. Though students can receive credit for successfully completing the CDM process, **they will not receive a grade on their transcript and it will not be factored into their GPA.**

Students considering the CDM process can find the fall and spring timeline on the NHCS Instructional web page or contact the school counselor or Gifted Education Specialist for more information

The following courses are excluded from Credit by Demonstrated Mastery:

- Career and Technical Education (CTE) work-based learning courses (co-op, internship, apprenticeship)
- CTE courses that have a clinical setting as a requirement of the course, such as ProStart, Early Childhood Education I/II and Nursing Fundamentals
- CTE Advanced Studies courses
- English Language Learner (ELL) courses
- Healthful Living required courses
- AP/IB Courses

For more information, please visit the North Carolina Credit by Demonstrated Wiki page at this link:
<http://cdm.ncdpi.wikispaces.net/Home>

ENGLISH AS A SECOND LANGUAGE PROGRAM (ESL)

English as a Second Language (ESL) classes or services are offered to students whose first language is a language other than English and whose academic English is not yet fluent. ESL classes provide a content-based, academic context that supports the development of the English speaking, listening, reading, and writing skills necessary for academic success.

STRIVING TO ACHIEVE EXCELLENCE (STAE)

Striving To Achieve Excellence (STAE) is designed to prepare students for the rigor of post-secondary education while increasing student achievement and developing overall success through empowerment. The STAE class provides students with academic, social, career, and college support as well as leadership development. The STAE student is one that has college potential, is under-represented in four year colleges, and has no major attendance or discipline issues. The STAE student has the potential to excel and go to college but needs extra support and guidance. STAE will provide students with the necessary support to allow them to reach their greatest potential.

The student must meet the considerations of acceptance designated by the STAE criteria and must continue to meet those parameters in order to remain in the program. See a school counselor or STAE coordinator for more details and information on applying for the STAE program.

NORTH CAROLINA VIRTUAL PUBLIC SCHOOL (NCVPS)

NCVPS provides free online courses to public school students throughout North Carolina. NCVPS course offerings include high school and middle school content courses. Students who are enrolled with NHCS may access these web-based courses from anywhere at any time. Credits and/or grades earned throughout NCVPS become part of a student's academic record as the student works toward graduation goals. Registration must occur at each school through the E-Learning Advisor. While this is an exciting opportunity for all students, it is important to consult with school counselors, teachers, and school administrators for scheduling advice and course availability.

Students participating in an NCVPS course will be required to take any state mandated End-of-Course or NC Final Exam assessments.

To increase student success in online coursework, the middle and high schools have implemented a Virtual Academy support model to assist students with navigation, communication, progress monitoring and goal setting. This support is provided to all students taking NCVPS courses, both those scheduled in the lab and those working from home. Additional information about NCVPS can be found at <http://www.ncvps.org/> or on the NHCS Online Learning webpage <http://www.nhcs.net/onlinelearning/>.

SUMMER SCHOOL

Through NCVPS, students may participate in summer coursework to recover credits or to accelerate their learning with new coursework (typically, no more than one summer course tends to work best for students). Multiple lab locations are available throughout the district to support students with summer online coursework.

MIDDLE SCHOOL STUDENTS

NCVPS currently offers a limited number of middle school content courses. These serve as middle school electives and are not awarded high school credit. With principal approval, middle school students may participate in high school courses via NCVPS or some other online provider. High school content courses approved by the NC Board of Education for access by middle school students can be accessed at the following link: <https://ncvps.org/high-school-courses-for-middle-school-students>

**Middle school students are required to attend the NCVPS lab on campus as part of their regularly scheduled day.*

Upon successful completion of a high school content course, middle school students will earn a high school credit towards graduation and this course will appear on the student's transcript; **however, the actual grade from this coursework taken in middle school will not count toward the high school Grade Point Average (GPA).**

Note: *Middle school students taking high school courses will not have an honors designation on their high school transcript. The North Carolina Student Information System does not differentiate between honors and on-level courses at the middle school level. Please see your school counselor for more details.*

Only high school course content taken during the summer following successful completion of the 8th grade (as a rising 9th grader in June) will allow the students to earn both high school credit towards graduation and count towards high school GPA.

E-ACADEMY AT MOSLEY

The E-Academy at Mosley seeks to recruit middle and high school students meeting unique enrollment situations. Once enrolled in the E-Academy at Mosley, students access NCVPS online courses from home with support from the E-Academy team. For more information, contact Sarah Gubitz, sarah.gubitz@nhcs.net.

NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS (NCSSM)

NCSSM provides free interactive video conferencing courses to NC public school students. These courses are taught in “real time”, which means that students interact with their virtual teacher and students during the same block of time each day via webcam and specialized software.

In addition to the video conferencing courses, high school sophomores may also apply to participate in a two-year online program focusing on advanced science and/or mathematics.

For more information on the video conferencing courses or the advanced science and mathematics programs, please visit <https://sites.google.com/nhcs.net/onlinelearning/ncssm>



NORTH CAROLINA CAREER AND COLLEGE PROMISE

North Carolina Career and College Promise provides seamless dual enrollment educational opportunities for eligible North Carolina high school students in order to accelerate completion of college certificates, diplomas, and associate degrees that lead to college transfer or provide entry-level job skills. Cape Fear Community College (CFCC) is the partnering agency for New Hanover County students. Qualified students may enroll in one of two pathways: a College Transfer Pathway or a Career and Technical College Pathway.

****Students enrolling in Career and College Promise courses are strongly advised to be aware of the collegiate calendar and various rules and procedures outlined by the collegiate institution.*

In order to participate in a **College Transfer Pathway**, a high school student must meet the following criteria:

- a. Be a high school junior or senior;
- b. Have a weighted GPA of at least 2.8 on high school courses;
- c. Demonstrate college readiness on a college placement test, such as Pre-ACT, PSAT, SAT or ACT.
- d. Choose one of the following four College Transfer Pathway in which to enroll:
 - Associate of Arts
 - Associate of Fine Arts-Visual Arts, Music, and Theater
 - Associate of Science
 - Associate of Engineering
 - Associate of General Education Nursing

Note: *College Transfer Pathway courses count the same weight as AP courses toward a student's GPA.*

In order for a student to participate in the **Career Technical Education Pathway**, a high school student must meet the following admissions criteria:

- a. Be a high school junior or senior;
- b. Have an unweighted GPA of a 2.8 **OR** principal/designee permission with a written statement.

Note: If the pathway requires any course on the UGETC, (Universal General Education Transfer Component) list, the same criteria for the transfer pathway will be required. Recommendation will not be allowed for CTE pathways that include UGETC courses included in the pathway.

- c. Choose between one of the following Career Technical Education Pathways:

- Architectural Technology
- Automotive Customizing
- Automotive Systems Technology
- Baking and Pastry
- Boat Building
- Business Administration – Banking & Finance
- Business Administration – Customer Service
- Business Administration – Entrepreneurship
- Business Administration – International Business
- Business Administration – Management & Supervision
- Business Administration – Office Systems
- Business Administration – Project Management
- Business Analytics
- Carpentry
- Collision Repair and Refinishing
- Community Spanish Interpreter
- Construction Management
- Construction Management – Framing
- Cosmetology
- Criminal Justice
- Culinary Arts
- Electrical Systems Technology
- Electronics Engineering Technology
- Emergency Management
- Fire Protection Technology
- Healthcare Business Informatics
- Hospitality Management
- Human Services Technology / Substance Abuse
- IT Computer Forensics
- IT Information Systems Security
- IT Information Technology
- IT Network Technology
- IT Operating Systems Administration
- IT Operating Systems Administration
- IT Software Development
- IT Virtualization Technology
- IT Web Development
- Landscape Gardening
- Marine Technology
- Medical Office Administration
- Mechanical Engineering Technology
- Nurse Aide
- Plumbing
- Sustainability Technology
- Welding

Note: CTE Pathway courses do not count as weighted credit toward the student's high school GPA.

Note: College and university courses shall earn high school dual credit as specified below:

Semester Hours Credit	High School Credits
1 – 2	0
3 – 4	1
5 – 8	2
9 or more	3

College Classes

- Students may enroll only in the college classes listed in their approved pathway.
- Once admitted to this CCP program, students can change programs with permission from the high school principal and with a program change form.
- Students will be able to participate in early registration just like traditional students.

Note: It is very important to note that Career and College Promise courses will reflect on a student's high school and college transcript. The grades incurred in these courses can affect financial aid and college acceptance.

Withdrawal Process

- Students desiring to withdraw from classes must contact the Cape Fear Community College Records and Registration office to obtain the necessary forms and procedures for official withdrawal.
- Students who stop attending a class without officially withdrawing will receive a grade of "F," which is computed as a failing grade.
- Students who have not attended at least once by the 10% date of the class will be dropped by the instructor as "never attended." No tuition and fee adjustments will be made. **The Registrar's office cannot reverse a "no show"**.
- Students who withdraw from a course(s) within the first 60% of class hours will receive a grade of "W" which will not be computed in the GPA (Grade Point Average). All withdrawals appear on the student's academic transcript.
- Students who withdraw after the 60 percent of class hours must obtain permission in writing from their instructor and the Department Chair. **Permission will be granted for extenuating circumstances only.** Supporting documentation will be required. No withdrawals may be requested during the last week of the semester. **Withdrawals can now be done online!** Refer to the academic calendar for deadlines. Please follow the link for more information: <https://cfcc.edu/registrar/withdrawals/>

Please refer to the Student Handbook for complete information on all CFCC policies and procedures.

Costs

- Tuition is **waived** for college courses taken during every semester at CFCC (fall, spring, and summer).
- Students are responsible for technology, activity, and parking/security fees. Fees are due to the CFCC Business Office at the time of registration.
- Students are also responsible for purchasing required textbooks and supplies for each course. Textbook listings and prices can be found in the CFCC Bookstore and at www.cfcc.edu.

Note: Transportation to CFCC is the student's responsibility. For more information on CFCC guidelines, course selection and applications please see your Career Development Coordinator, school counselor, or visit the Cape Fear Community College website at <http://cfcc.edu/ccp/>.

Note: All Cape Fear courses now have an online gradebook that students have access to – if they would like up-to-date information on their grades. Please contact the designated course professor if the course's grades are not updated on Blackboard.

COMMUNITY COLLEGE DUAL CREDIT ALLOWANCES FOR CAREER & COLLEGE PROMISE

All courses are based upon the Universal General Education Transfer Component of the Comprehensive Articulation Agreement and will transfer for equivalency credit. For purposes of calculating student Grade Point Averages, courses included on this chart are weighted in accordance with SBE policy GCS-L-004.

Note: 11th or 12th graders who are using HIS 131 and HIS 132 to satisfy high school graduation requirements, must be coded as a P1012C- Associate in Arts. They must not have taken any other Social Behavioral Sciences. The rule is for them to select three course from the following from at least two different disciplines.

Course Category	College Course	PowerSchool Course Code	High School Credit/Graduation Requirement Satisfied	Notes
Humanities/ Fine Arts	ART 111 – Art Appreciation	5C015X0	1 elective credit	
Humanities/ Fine Arts	ART 114 – Art History Survey I	5C025X0	1 elective credit	
Humanities/ Fine Arts	ART 115 – Art History Survey II	5C035X0	1 elective credit	
Natural Sciences	AST 111 – Descriptive Astronomy	3C015X0	1 elective credit	
Natural Sciences	AST 111A – Descriptive Astronomy Lab	3C025X0	0 credit	
Natural Sciences	AST 151 – General Astronomy I	3C035X0	1 elective credit	
Natural Sciences	AST 151A – General Astronomy Lab I	3C045X0	0 credit	Must be complete with AST 151 to earn high school credit for AST 151
Natural Sciences	BIO 110 – Principles of Biology	3C055X0	1 elective credit	
Natural Sciences	BIO 111 – General Biology I	3C065X0	1 credit; may be combined with BIO 112 to satisfy the Biology graduation requirement; else, elective credit only.	Must pass both courses and complete the EOC to meet HS graduation requirement.
Natural Sciences	BIO 112 – General Biology II	3C075X0	1 credit; when combined with BIO 112, satisfies Biology graduation requirement; else, else elective credit only.	Must pass both courses and complete the EOC to meet HS graduation requirement.
Natural Sciences	CHM 151 – General Chemistry I	3C085X0	1 credit; may be combined with CHM 152 to satisfy the physical science graduation requirement; else, elective credit only.	Must pass both courses and to meet HS graduation requirement.

Course Category	College Course	PowerSchool Course Code	High School Credit/ Graduation Requirement Satisfied	Notes
Natural Sciences	CHM 152 – General Chemistry II	3C095X0	1 credit; may be combined with CHM 151 to satisfy the physical science requirement.	Must pass both courses and to meet HS graduation requirement.
Communications	COM 231 – Public Speaking	0C015X0	1 elective credit	
Social/ Behavioral Sciences	ECO 251 – Principles of Microeconomics	4C015X0	1 elective credit	
Social/ Behavioral Sciences	ECO 252- Principles of Macroeconomics	4C025X0	1 elective credit;	
English Composition	ENG 111 – Writing & Inquiry	1C025X0	1 elective credit; but it may be combined with other ENG courses to satisfy English III graduation requirement (112/ 114, either 231 or 232).	See ENG 231/232 below
English Composition	ENG 112 – Writing/Research in the Disciplines	1C035X0	1 elective credit; but it may be combined with other ENG courses to satisfy English III graduation requirement (111/ 114, and either 231 or 232).	See ENG 231/232 below
Humanities/ Fine Arts	ENG 231 – American Literature I	1C075X0	1 elective credit; with ENG 111 and ENG 112/114, satisfies English III graduation requirement.	Without ENG 111 and ENG 112/114, 1 elective credit only.
Humanities/ Fine Arts	ENG 232 – American Literature II	1C085X0	1 elective credit; with ENG 111 and ENG 112/113/114, satisfies English III graduation requirement	Without ENG 111 and ENG 112/113/114, 1 elective credit only.
Humanities/ Fine Arts	ENG 241 –British Literature I	1C115X0	1 Elective Credit	With ENG 111 & 112, satisfies English IV requirement (but not Graduation Project).
Humanities/ Fine Arts	ENG 242 –British Literature II	1C125X0	1 Elective Credit	With ENG 111 & 112, satisfies English IV requirement (but not Graduation Project).
Natural Sciences	GEL 111 – Introductory Geology	3C105X0	1 elective credit	

Course Category	College Course	PowerSchool Course Code	High School Credit/ Graduation Requirement Satisfied	Notes
Social/ Behavioral Sciences	HIS 111 – World Civilizations I	4C035X0	1 elective credit; may be combined with HIS 112 to satisfy the World History graduation requirement;	Must pass both courses and to meet World History HS requirement.
Social/ Behavioral Sciences	HIS 112 – World Civilizations II	4C045X0	1 credit; may be combined with HIS 111 to satisfy the World History graduation requirement; else, elective credit only	Must pass both courses and to meet World History HS graduation requirement.
Social/ Behavioral Sciences	HIS 131 – American History I	4C055X0	1 credit; satisfies American History I graduation requirement.	**Please see the note at the top of this chart.
Social/ Behavioral Sciences	HIS 132 – American History II	4C065X0	1 credit; satisfies American History II graduation requirement.	**Please see the note at the top of this chart.
Mathematics	MAT 143 – Quantitative Literacy	2C015X0	1 credit; satisfies fourth math graduation requirement.	
Mathematics	MAT 152 – Statistical Methods I	2C025X0	1 credit; satisfies fourth math graduation requirement	
Mathematics	MAT 171 – Pre-calculus Algebra	2C035X0	1 credit; satisfies fourth math graduation requirement	
Mathematics	MAT 172 – Pre-calculus Trigonometry	2C045X0	1 credit; satisfies fourth math graduation requirement	
Mathematics	MAT 263 – Brief Calculus	2C055X0	1 credit; satisfies fourth math graduation requirement	
Mathematics	MAT 271 – Calculus I	2C065X0	1 credit; satisfies fourth math graduation requirement	
Mathematics	MAT 272 – Calculus II	2C075X0	1 credit; satisfies fourth math graduation requirement	
Humanities/ Fine Arts	MUS 110 – Music Appreciation	5C045X0	1 elective credit	
Humanities/ Fine Arts	MUS 112 – Introduction to Jazz	5C055X0	1 elective credit	
Humanities/ Fine Arts	PHI 215 – Philosophical Issues	0C065X0	1 elective credit	

Course Category	College Course	PowerSchool Course Code	High School Credit/ Graduation Requirement Satisfied	Notes
Humanities/ Fine Arts	PHI 240 – Introduction to Ethics	0C075X0	1 elective credit	
Natural Sciences	PHY 110 – Conceptual Physics	3C115X0	1 elective credit	
Natural Sciences	PHY 110A – Conceptual Physics Lab	3C125X0	0 credit	Must be completed with PHY 110 to earn high school credit for PHY 110.
Natural Sciences	PHY 151 – College Physics I	3C195X0	1 credit; may be combined with PHY 152 to satisfy the physical science graduation requirement; else, elective credit only	Must pass both courses and to meet HS graduation requirement.
Natural Sciences	PHY 152 – College Physics II	3C205X0	1 credit; may be combined with PHY 151 to satisfy the physical science graduation requirement; else, elective credit only	Must pass both courses and to meet HS graduation requirement.
Natural Sciences	PHY 251 – General Physics I	3C215X0	1 credit; may be combined with PHY 252 to satisfy the physical science graduation requirement; else, elective credit only	Must pass both courses and to meet HS graduation requirement.
Natural Sciences	PHY 252 – General Physics II	3C225X0	1 credit; may be combined with PHY 251 to satisfy the physical science graduation requirement; else, elective credit only	Must pass both courses and to meet HS graduation requirement.
Social/ Behavioral Sciences	POL 120 – American Government	4C075X0	1 elective credit	
Social/ Behavioral Sciences	PSY 150 – General Psychology	4C085X0	1 elective credit	
Social/ Behavioral Sciences	SOC 210 – Introduction to Sociology	4C095X0	1 elective credit	

ADVANCED STUDY - UNIVERSITY OF NORTH CAROLINA WILMINGTON

New Hanover County Schools and the University of North Carolina Wilmington (UNCW) have a cooperative agreement to allow students to take courses at the university if they are concurrently enrolled in at least two high school courses. **Advanced study courses taken at UNCW must be courses not offered on the high school campus.** An application is required and students are responsible for tuition, fees, books, and transportation. It is understood that the transfer of college credit for the course(s) will be dependent upon the decision of the university. The UNCW course enrollment deadline for **fall** and **summer** semesters is April 1st and spring semester is November 1st. Course selections should be discussed with a counselor and then approved by the principal. Additional information can be found at <http://uncw.edu/admissions/dual.html>.

This program is available primarily to students in the Wilmington area. Dual-Enrollment applications for admission are available in your high school's counseling office and in the UNCW Admissions Office.

***Note:** *Students enrolling in UNCW courses are strongly advised to be aware of the collegiate calendar and various rules and procedures outlined by the collegiate institution.*

****Note:** *It is very important to note that UNCW courses will reflect on a student's high school and college transcript. The grades incurred in these courses can affect financial aid and college acceptance.*

*****Note:** *All final grades will reflect the plus/minus UNCW grading scale.*

******Note:** *These requirements do not apply to an Isaac Bear Early College Student.*



SCHOOL BASED SPECIALTY PROGRAMS AND ACADEMIES QUICK REFERENCE CHART

	Laney STEM Academy	Ashley Marine Science Academy	Hoggard International Baccalaureate	NHHS Lyceum Academy	Career Readiness Academy at Mosley	Southeast Area Technical High School (SEA-Tech)	Isaac Bear Early College High and Future Teacher Career Academy	Wilmington Early College High School High
Ideal Candidate	Current 9th grade academically mature students interested in STEM areas and the medical field	Students with an interest in marine science and a strong background in STEM related content.	Academically-driven, curious student. Seeks knowledge in a global context.	Academically mature rising 11 th & 12 th graders seeking a hands-on, college prep experience	8th and 9th graders looking for personalization, college and career focus	Rising 9 th – 11 th grade students looking for a specialized career technical learning experience.	Academically driven rising 9 th graders committed to working hard in a rigorous and supportive environment.	Rising 9 th grader committed to becoming a lifelong learner.
Academics	Focus science & math courses NCSSM IVC Courses CTE STEM courses	Marine science related content in all core science classes. A full year of intro to Oceanography & Marine Biology in the 11 th or 12 th grade.	Rigorous globally-focused coursework / preparing students for university & participation in a global society.	Rigorous, Integrated AP/Honors coursework with potential college credit; project-based experiential learning	Hands on approach to learning and CTE/NAF integration across the content	60 + certificate diplomas or degree programs through Cape Fear Comm. College & 4 career academies.	All honors HS curriculum completed in 2 yrs. UNCW classes 11th/12th grade. The Future Teacher Career Acad. at IBEC is a small learning community for HS students interested in a career in teaching.	Rigorous HS curriculum, CFCC Associates degree within 5 years
Extra-Curriculars	10 STEM hours required each year. Membership in 1 STEM related club	Marine environment at community service public talks and community events.	Student driven research, creativity, activity & service hours, international connections.	Teaching Trips: DC, App Mtns, International. Lyceum Ambassadors leadership opportunities.	Math Team, FBLA, and others driven by student interest	Clubs, service learning, student organizations & options to participate in athletics	Clubs, Student Organizations, community service and the option to participate in athletics.	Service learning, clubs, CFCC organizations, WECHS Ambassadors
Pre-requisites	Pre STEM coursework, STEM seminar participation, and 1 STEM club	Honors and/or AP math & science recommended. AP Capstone.	DP: World Lang 1-3, Honors of: Math 1-3, English 1-2, Chemistry, Civics, World Hist.; Pre-DP: Honors ready student	Math 1 - 3, Eng. 1, Eng. 2, Civics & Economics, Bio & Chemistry. Pre-Lyceum courses available for 9 th and 10 th graders.	Interest in a small setting and off-site learning opportunities	Those who have the initiative to jump start a career focused education.	Students' career interest should require a university degree.	Career interest requiring an Associate's Degree or college / university degree.
Additional Requirements	One Science fair or engineering design project required (10-12)	Internship, re-search projects, fieldwork, participation in a science related club & after school events.	CAS hours & Project, Extended Essay research project, Theory of Knowledge course.	Application, recommendations, interview	Application (online or paper), records, recommendation and interview	Application, Essay, Records & Recommendations	Application, essay, interview, shadowing, teacher rec.	Application, essay, interview, shadowing and teacher recommendations.

Note: All specialty programs and academies are based at a particular school, but they are open to all NHCS students. Students outside a school district must apply, gain admittance, and become enrolled as a student at the particular school. Please see your school counselor for more information.

INTRODUCTION TO OUR HIGH SCHOOLS & SPECIALTY PROGRAMS

ASHLEY HIGH SCHOOL

Address - 555 Halyburton Memorial Parkway
Wilmington, NC 28412

School Colors – Garnet and Vegas Gold

Mascot - The Screaming Eagles

Enrollment - 1,807

Specialty program - The Marine Science Academy

Website link - <https://ashley.nhcs.net/>



MARINE SCIENCE ACADEMY

The goal of the Marine Science Academy is to provide students with an enriching and rigorous education in a coastal setting while equipping them with twenty-first century skills designed to meet the challenges facing our global ocean. Instilling a lifelong love of learning and sense of stewardship about the dynamic North Carolina coast will also be a major focus of the program.

Students who are interested in marine science can transfer to Eugene Ashley High School as a freshman and take part in science classes that highlight their special interest. Sophomores and juniors can apply to the Marine Science Academy where they will complete one year college level Oceanography and Biology coursework. In addition students would participate in internships and marine technology opportunities at UNCW and CFCC.

Student internships in the program allow Academy students access to mentors and ocean research that they can apply to their Graduation Research Project. In addition to dual college credit, each student would receive a special Marine Science Academy seal on their high school diploma attesting to their successful completion of the program. Students will also participate in science-related clubs and enrichment activities outside of school hours.

UNCW will provide waivers, in lieu of college credit, for Academy students who decide to attend UNCW for Oceanography 150 and Biology of the Sea 170 to fulfill University Studies requirements. The waiver will afford the students the opportunity after the successful completion of Oceanography 150 and Biology of the Sea 170 to advance to the next level courses without repeating these courses at UNCW. Waivers will not reduce the number of credit hours required for graduation in the student's chosen major. Oceanography 150 and Biology of the Sea 170 will be recorded on the High School transcript as evidence of completion in order to receive the waiver.

For more information on the Marine Science Academy, including recommended course prerequisites, please visit the following link: <https://mslthompson.wixsite.com/marinescienceacademy>

CAREER READINESS ACADEMY AT MOSLEY

Address - 3702 Princess Place Drive
Wilmington NC 28405

School colors – Black and Yellow

Mascot - Panther

Enrollment - 200

Specialty program - NAF Academy of Finance and E-Academy

Website link- <http://www.nhcs.net/mosleyplc/>



CAREER READINESS ACADEMY AT MOSLEY

The Career Readiness Academy at Mosley offers a small, non-traditional academic setting for students in grades 9-12. As a National Academy Foundation Academy of Finance, instruction is personalized with Career Technical Education integration and project-based learning throughout the content areas. Students engage in career awareness, exploration and preparation during their high school experience through job shadowing, paid internships and participating in Career College Promise classes at Cape Fear Community College.

All students at the Career Readiness Academy participate in the STAE (Striving to Achieve Excellence) curriculum which emphasizes career and college readiness through college field trips, study and organizational skills, and collaborative study groups. Students applying for the Career Readiness Academy must demonstrate an interest in business administration or finance, meet admission criteria and participate in a panel interview. See a school counselor or contact the school directly for details. Additional information and online applications are available at <http://www.nhcs.net/naf/>.

E- ACADEMY AT MOSLEY

The E- Academy Mosley is designed to support students who have been accepted and show a level of commitment to complete coursework via NCVPS access in their homes. These students are monitored onsite and have periodic check-ins and meetings with families to assess progress.

The Transition Program for Young Adults (TPYA)

The Transition Program for Young Adults (TPYA) is a community-based program with three community sites. This program, implemented since 1997, focuses on exploring the many facets of living and working in our local community. TPYA provides the opportunity for students to learn, maintain and generalize skills to the real world and to assist them in achieving their personal maximum level of independence as they transition from school to adult life. Because of TPYA's community-based focus, students have the opportunity to practice many skills daily such as paying bills, making a bank deposit, getting a haircut, purchasing groceries, etc., in settings where they would naturally occur. Students also have extensive opportunities to practice decision-making, problem-solving, goal setting, personal choice-making and self-advocacy skills.

HOGGARD HIGH SCHOOL

Address - 4305 Shipyard Blv,
Wilmington NC 28409

School Colors – Columbia Blue and Navy Blue

Mascot - The Viking

Enrollment – 2,083

Specialty program - International Baccalaureate Diploma Programme

Website link - <http://www.nhcs.net/hoggard/>



International Baccalaureate Diploma Programme

The International Baccalaureate is an organization that originated in the 1960s in Europe with the aim of equipping students with high-standard academics that would be recognized globally. Inherent in the name and curriculum, the International Baccalaureate (IB) programs focus on open-minded global thinking to meet 21st Century learning standards, as well as fulfill state-mandated graduation requirements.

John T. Hoggard High School was authorized as an IB World School to offer its Diploma Programme in February of 2016. The Diploma Programme (DP) is open to juniors and seniors in New Hanover County, however interested students are encouraged to begin their high school tenure as freshmen at Hoggard for pre-DP curriculum. Hoggard supports the “full diploma” for which students successfully complete three core elements of the DP in addition to their six IB courses to earn the IB diploma. Two core elements, Creativity, Activity, Service, and the Extended Essay are completed outside of the school day, but receive support and advising on campus. The third core element, Theory of Knowledge, is a course taken while in the program with ties to every content area. Each DP course is accompanied by an exam, which is mandatory for full-diploma students.

Students tailor their schedule for rigor in their areas of choice. All IB courses run on a year-long schedule.

Any academically eligible junior or senior at Hoggard, not officially in the IB Programme, may select up to two IB courses (two Standard Level or one two-year High Level) in which they will have the potential to earn college credit and an IB certificate. Please see a school counselor or the IB Coordinator for more details and a list of the courses open to certificate-seeking students.

Prior to entering the DP, students are encouraged to complete Physical Education as a freshman, complete three levels of a world language, complete Chemistry, and at least Math III by the end of 10th grade. A year-long Honors English I and Honors Civics (9th) and Honors English II and AP World History (10th) exist for students interested in the DP to take in the pre-DP pathway. Flexibility in the layout of a pre-DP schedule to meet student needs is taken into consideration.

Interested students should apply through the New Hanover County Signature Programs.

Application: <https://sites.google.com/nhcs.net/highschoolspecialtyprograms/common-application?authuser=0>

General information on IB can be found at www.ibo.org

For more information, please see a school counselor or the program coordinator, Christi Lea Osborne (christilea.osborne@nhcs.net).

ISAAC BEAR EARLY COLLEGE HIGH SCHOOL

Address - 630 MacMillan Avenue
Wilmington, NC 28403

School Colors – Teal and Navy

Mascot – The Bearhawks

Enrollment – 233

Specialty Program - Non Traditional High School
partnered with UNCW

Website link - <http://www.nhcs.net/isaacbear/>



UNCW Partnership / Future Teachers Career Academy

Located on the campus of the University of North Carolina at Wilmington, Isaac Bear Early College High School is a Cooperative Innovative High School that integrates Honors coursework in English, social studies, math, science, Spanish, and computer technology in an exploration of real-world applications. Isaac Bear Early College provides students an opportunity to accelerate their high school experience and to earn up two years of college credit that can be used to satisfy general college curriculum requirements.

In a unique partnership with UNC-Wilmington's Watson College of Education, Isaac Bear students are also given the opportunity to participate in the Future Teachers Career Academy, which aims to attract and prepare high school students wishing to explore teaching and instruction as a career. Academy students volunteer, teach, and experience education from many points of view, and become leaders in their schools.

Admission to Isaac Bear Early College is conducted via an application process early in the spring semester of each year. School tours are available on an established schedule. For more information, please visit the school website at <http://www.nhcs.net/isaacbear/>.

LANEY HIGH SCHOOL

Address - Address: 2700 N. College Road
Wilmington, NC 28405

School Colors - Blue and Gold

Mascot - The Buccaneers

Enrollment – 2,182

Specialty Program – The Science, Technology, and Math
Program (STEM)

Website Link - <https://sites.google.com/a/nhcs.net/laney/>



Laney STEM Program

Laney High School's STEM (Science, Technology, Engineering, and Math) program is designed to educate students by providing rigorous educational opportunities. These opportunities emphasize high standards and continuous improvement in science, mathematics, biomedical technology, and engineering in order to prepare students for citizenship, higher education, and global competition in the 21st century.

Students in 8th grade must register for the Pre-STEM program in January. Student registration information will be available on the Laney STEM website. A mandatory parent/student meeting will be held for PreSTEM information and requirements. Pre-STEM 9th grade students will apply to the STEM program Spring of 2020 after completing the following 9th grade requirements:

1. *Students must maintain a minimum of a 3.5 weighted GPA.*
2. Attend at least 4 STEM Professional Seminars during 9th grade (offered monthly at Laney).
3. **Required courses for Freshmen in Pre-STEM:** Honors Biology, Honors Math I or Math I, Honors Math II, and one STEM elective.

Students in the program will take a rigorous course load throughout their four years of high school. Students will take specific electives tailored to the biomedical or engineering fields. The STEM program also offers three honors level Project Lead the Way courses: Principles of Engineering, Aerospace Engineering, and Engineering Design. Students will also be strongly encouraged to take courses through NCSSM, NCVPS, and Cape Fear Community College.

A major objective of the program is to partner with local industries, community organizations, and local educational institutions to provide the following for our students: specific information about industry and career pathways, industry mentors, campus tours, job shadowing, summer programs, internship opportunities, guest speakers, and volunteer opportunities for students.

For more information about the Laney STEM program, please visit the following link:
<https://sites.google.com/a/nhcs.net/laney-stem/>

NEW HANOVER HIGH SCHOOL

Address - 1307 Market Street
Wilmington, NC 28401

School colors - Orange and Black

Mascot - Wildcats

Enrollment - 1,508

Specialty program - The Lyceum Academy

Website link - <http://www.nhcs.net/nhhs/>



The Lyceum Academy

The Lyceum Academy of New Hanover High School is open to all juniors and seniors in New Hanover County. This two-year program offers an uninterrupted time block incorporating alternative educational experiences where connections are made between traditional subjects to demonstrate real-world relevance. A team of 4 teachers instructs and guides students through the academy, which consists of approximately 100 students (50 in each grade level). Classes in Lyceum are from 8:00 AM until 11:40 AM on traditional school days; afterwards students are released to take electives.

Real-world relevance is reinforced through local and national field experiences. These hands-on experiences enhance the curriculum by engaging students in their academics outside the traditional classroom setting. Field experiences also help develop group skills through team building activities such as retreats, seminars, and social interactions. No students are excluded due to financial issues.

Students elect to participate and are accepted through an application and interview process which begins in January during their sophomore year. The application, a list of required course prerequisites, and additional information is available at <https://sites.google.com/nhcs.net/the-lyceum-academy/home>.

Pre-Lyceum

Pre-Lyceum courses for freshmen and sophomores offer students the experience of some of the hallmarks of the Lyceum program such as challenging coursework, interdisciplinary learning opportunities/team teaching across subjects, flexible scheduling, and year long classes. The classes are taught in a single year long block in which teachers have the opportunity to utilize each day as needed to incorporate a variety of instructional methods and lessons. Students are still eligible to apply for Lyceum if they did not participate in Pre-Lyceum classes.

SOUTHEAST AREA TECHNICAL HIGH SCHOOL (SEA-TECH)

Address – 5301 Sidbury Road
Castle Hayne, NC 28429

School colors - Royal Blue, Aquamarine Green, and Anchor Gray

Mascot - Sea Dragon

Enrollment numbers - 138

Specialty Program - Cooperative Innovative High School, partnered with Cape Fear Community College (CFCC)

Website link: <https://seatech.nhcs.net/>



Cape Fear Community College Partnership

Southeast Area Technical High School (SEA-Tech) is located in Castle Hayne, NC. SEA-Tech services both New Hanover and Pender Counties as a Career & Technical Education focused high school. Through hands-on and project based learning, students are introduced to academic and technical subjects through both traditional high school options and through dual enrollment with Cape Fear Community College. This blending allows students to be prepared to enter the workforce directly or to continue on to other post-secondary opportunities.

There are over 60 programs of study and four career focused academies (Construction Trades Academy, Health & Fitness Academy, Culinary & Hospitality Management Academy, Public Safety Academy), making Southeast Area Technical High School one of the most sought after educational opportunities in the region. Students are introduced to career exploration through a multitude of work based learning activities such as job shadowing, mentorships, service learning and internships.

Industry recognized credentials are part of the experience at SEA-Tech and in addition to a high school diploma, students are eligible for college credit, multiple certificates, diplomas and/or a degree from CFCC. As a school of choice, students may apply to this school by submitting an application in January. Students can apply as Freshmen or as transfer students as a rising sophomore or junior.

WILMINGTON EARLY COLLEGE HIGH SCHOOL

Address: 4500 Blue Clay Road, ND Building
Castle Hayne, NC 28429

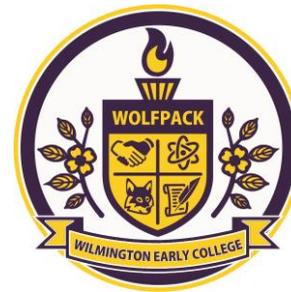
School Colors - Purple and Gold

Mascot - Wolf

Enrollment – 248

Specialty Program – Early College High School, Partnered with CFCC
to earn an associates and high school diploma by graduation.

Website Link - <http://www.nhcs.net/wechs>



Cape Fear Community College Partnership

Wilmington Early College High School (WECHS) is one of two early colleges in New Hanover County. Students at WECHS have the opportunity to earn a high school diploma, as well as an Associate's Degree from Cape Fear Community College. Our students are enrolled for either four or five years and participate in two graduations. Students complete most of their high school classes during their first two years of high school.

Our students follow a rigorous schedule of Honors Coursework for the first two years. Students take the following high school required courses on the college level: MAT 171 (the fourth high school math) and HIS 132 (American History II); they also have the option of taking English 4 on the college level which includes the following college classes: ENG 111, ENG 112, and ENG 241 or ENG 242.

As students begin taking classes at Cape Fear Community College, they work closely not only with their high school counselor, but also the college liaison to make certain that their college experience is individualized. They are advised regarding their degree option choices, their post-secondary interests and goals, and their personal interests.

According to Emma Wilson, "One cannot possibly put into words the wondrous experience that is Wilmington Early College High School. The program grants us the chance to graduate with an Associate's Degree in hand. When later planning my life and seeing how much school I am saving myself by being in an early college, it lifts a weight off of my shoulders. And of course, the amount of money I am saving my parents lifts a weight off of their shoulders, too. By taking college classes, high school students have the opportunity to be a part of something bigger than themselves."

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY

Students interested in participating in college athletics at the NCAA Division I or Division II level must meet the NCAA freshman eligibility standards. Initial eligibility is determined by the NCAA from three high school factors: core course completion, test scores, and grade-point average. NCAA Division I and II require 16 core courses – ten of which need to be completed before the start of a student's seventh semester. Detailed information regarding freshman eligibility criteria is available on the NCAA Eligibility Center website.

The primary responsibility of a high school in relationship to a freshman athlete's certification is to ensure that the school's list of approved core courses is accurate and up-to-date. Only courses in the areas of English, mathematics, science, social studies and world language can be considered for core course approval.

In Pass/Fail grading situations, the NCAA Eligibility Center will assign your high school's lowest passing grade for a course in which you received a Pass grade. For most high schools, the lowest passing grade is a D, so the NCAA Eligibility Center generally assigns a D as a passing grade.

Note: *The NCAA has very strict guidelines regarding credit for courses taken online. Some online credit recovery courses may not be approved by the NCAA. Be sure to consult with your high school's athletic director and your school counselor to determine if the online course that you are considering is approved for credit by the NCAA.*

Note: *A modified, shortened summer course will not meet NCAA eligibility requirements.*

For more information, please see a school counselor and visit the official NCAA eligibility website:
<http://www.ncaa.org/student-athletes/play-division-i-sports>



COURSE ENROLLMENT PROCESS

Through the yearly enrollment process, New Hanover County Schools strives to offer a meaningful high school curriculum that meets the changing needs of our students and community. Therefore, it is highly recommended that each student determines his or her course selections in relation to long-term goals of higher education and/or meaningful employment.

Parents/guardians, teachers, advisors, and counselors should work together to assure that appropriate courses are selected to ensure each student's success.

Each student must carry a full course load. Exceptions will be made only with permission from the principal. Permission from the principal or counselor is also required for a student to drop/add a course(s) after school begins. A student cannot drop any semester-long course(s) after the tenth day of the semester if it has an End-of-Course (EOC) test. A student taking a year-long course(s) cannot drop after the twentieth day if it has an End-of-Course (EOC) test. A failing grade may be included on a student's record if the principal approves the request to drop the course.

Students enrolled in New Hanover County high schools that fail a course and desire to attend any non-New Hanover County school credit recovery program, may only do so after seeking pre-approval from the principal in order for that remedial course to be considered for credit.

Only with the principal's permission may students take a course for credit at a non-New Hanover County school. Students wishing to transfer credit from any non-public high school must meet the requirements of New Hanover County Schools in order to receive credit.

Students currently enrolled at a New Hanover County School may not take a required high school course for the first time from an educational agency not approved by the school system and the principal.

TESTING

END-OF-COURSE (EOC) TESTS

End-of-Course tests are given for the following courses:

- NC Math 1
- Biology
- English II
- Math III

Note: *Each EOC counts twenty percent of a student's final grade and students may not be exempted from any state required End-of-Course test.*

CAREER TECHNICAL EDUCATION END-OF-COURSE ASSESSMENT

All students who follow the Standard Course of Study for a Career Technical Education course must take a state End-of-Course post assessment. The post assessment will count twenty percent of the student's final grade in the course.

Note: *Transfer students may be given credit for passing each of the three End-of-Course tests based on their comparable coursework at other schools at the discretion of the principal.*

PROMOTION REQUIREMENTS

Note: *If a student successfully completes a high school course while in middle school, that student will receive course credit toward high school graduation. However, the student's GPA will only be computed with courses taken during the high school years, which includes the summer before freshman year.*

Students must have the following credits for grade-to-grade promotion:

9 th	to	10 th grade	6 credits*
10 th	to	11 th grade	12 credits
11 th	to	12 th grade	20 credits

*Of these six (6) credits required for promotion to 10th grade, two must be from English, math, science, or social studies.

Note: *Transfer students will have their course credits evaluated at each school.*

GRADUATION REQUIREMENTS

To graduate from New Hanover County Schools, a student must complete the following requirements:

1. 28 Course Credits

For graduation each student must complete the appropriate number of courses listed below.

English	4
Math	4
Science	3
Social Studies	4*

Physical Ed/Health 1 (Students graduating **in and after** 2015, must have Hands-Only CPR instruction. Many students will complete this requirement during their 8th grade Health and P.E. course. Completion of this requirement will be recorded in PowerSchool.)

Electives 12 (For students entering high school **in and after** the **2012 – 2013** school year)

One unit must be NC Math 1, one unit must be NC Math 2, and one must be NC Math 3.

One unit must be Earth and Environmental Science; one unit must be Biology; one unit must be a physical science. The physical sciences include Physical Science, Chemistry, or Physics.

For students entering high school in and after the 2012-2013 school year. Each student will need at least 1 World History Course, 1 Civics course, 1 American History course, and 1 social studies elective:

- * World History
- * A Civics Course: Either Civics and Economics or the new Civic Literacy
- * An American History Course: American I, American II, or the new American History course or AP U.S. History
- * A Social Studies Elective (can be any social studies course – including an AP Social Studies course)

AP U.S. History can take the place of the American History requirement.

For students entering high school in 2020-2021. Each student will need at least 1 World History Course, 1 Civics course, 1 American History course, 1 Economics and Personal Finance course.

- *World History
- *A Civics Course: Either Civics and Economics or the new Civic Literacy
- *An American History Course: American I, American II, or the new American History Course or AP U.S. History
- *Economics and Personal Finance

**AP U.S. History can take the place of the American History requirement.*

2. Required Graduation Course of Study

To graduate, students must meet the requirements of the Future Ready Core Course of Study. See the chart on pages 41-43 for details (depending upon the year you entered high school).

The Occupational Course of Study is available for certain students with disabilities who have an Individualized Education Plan (IEP). Part of the graduation requirements for this course of study include completion of work hours. For students who entered Grade 9 prior to the 2014-15 school year are required to complete 300 hours of school-based training, 240 hours of community-based training, and 360 hours of paid employment.

For students who entered Grade 9 in the 2014-2015 School Year or after they are required to complete 150 hours of school-based training, 225 hours of community-based training, and 225 hours of paid employment. See the chart on page 43 for details.



REPEATING A COURSE PREVIOUSLY FAILED OR PASSED

- Beginning with the 2015-2016 school year, students repeating a course that they have previously failed, may have their new grade completely replace the failing mark on their high school transcript (**meaning only the new course grade will be factored into the student's GPA and listed on the transcript**).

Students repeating a course for credit shall receive a grade & take the associated End of Course Assessment (EOC). Those students who have already scored at Level 3, 4, or 5 on the associated EOC assessment may elect either to retake the EOC or use the previous passing EOC score as at least 20% of their final grade. If the student retakes the EOC, the higher of the two scores will be used in the calculation of the final grade.

- Students that pass a course but would like to repeat the course to improve their grade and knowledge may do so. **If the student scores a higher grade on the second attempt, the original course and grade will be removed from the transcript and only the new course grade will be factored into the student's GPA and listed on the transcript.** The higher of the two grades will be the one factored into the student's Grade Point Average – **even if they do worse on the second attempt.** A student may only earn credit towards graduation for a course once. Please see your school counselor for more information.

HIGH SCHOOL COURSES TAKEN IN MIDDLE SCHOOL

- Upon successful completion of a high school content course, middle school students will earn a high school credit towards graduation; however, **the actual grade from this coursework taken in middle school will not count toward the high school Grade Point Average (GPA).**
- All students begin accumulating their official high school GPA upon entering high school coursework following the day after completion of 8th grade (June or later for most students).

Note: *The typical NHCS graduate will finish with 28 course credits. To help guide this process, we do have a four-year graduation planning guide on page twenty-seven. Some students do graduate in three years and they are eligible, upon approval of their high school principal and the NHCS district office, to graduate with 25 course credits. Whether you would like to graduate in four years or three, please consult a school counselor in order to best customize your schedule.*

CREDIT RECOVERY VS. REPEATING A COURSE FOR CREDIT

NC State Board of Education policy CCRE-001 defines "repeating a course for credit" as any high school course repeated via any delivery method when the entire Standard Course of Study is being taught for the second time. "Credit recovery" is defined as delivering a subset of the Standard Course of Study in order to specifically address deficiencies in a student's mastery of the course and target specific components of a course necessary for completion.

When a student is repeating a course for credit, the following apply:

- Students will receive a numerical grade and the higher of the two grades will appear on the high school transcript.

When a student is completing a course via credit recovery, the following apply:

- The length of credit recovery courses will be dictated by the skills and knowledge the student needs to recover and not be a fixed length of time. For example, a student may only need a few weeks to recover the needed skills and knowledge and would not be required to take the course for the entire semester.
- When credit recovery is exercised, the original record of the course being completed and failed will remain on the transcript.
- The grade for credit recovery is pass/fail and does not factor into the student's GPA.

FOUR-YEAR GRADUATION PLANNING TOOL FOR STUDENTS AND FAMILIES

New Hanover County Schools has created a four-year schedule template for students to track their graduation progress. When selecting courses, please keep in mind the North Carolina and NHCS high school course requirements and remember to utilize a school counselor in order to best customize your schedule.

Note: North Carolina State Board and NHCS High School Requirements: English (4 credits), Math (4 credits), Science (3 credits), Social Studies (4 credits), World Language* (2 credits), PE/Health (1 credit), and Electives (10 credits – these credits can come from **any content** area including CTE, Arts, JROTC or AP courses). **28 total credits are needed to graduate.**

*World Language is not required to graduate high school, but it is a requirement to enter a North Carolina state college or university as well as most out of state four-year schools.

**Some of the required courses may be substituted for Advanced Placement (AP) courses. Please see page 7 for more information.

<p style="text-align: center;">Semester 1</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>	<p style="text-align: center;">Semester 2</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>
<p style="text-align: center;">Semester 3</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>	<p style="text-align: center;">Semester 4</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>
<p style="text-align: center;">Semester 5</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>	<p style="text-align: center;">Semester 6</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>
<p style="text-align: center;">Semester 7</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>	<p style="text-align: center;">Semester 8</p> <p>ENGLISH I,II,III,IV, _____</p> <p>MATH 1, 2, 3, 4th _____</p> <p>SCIENCE Physical, Biology, Environmental, _____</p> <p>SOCIAL STUDIES Civics, World, Am I, Am II, _____</p> <p>WORLD LANGUAGE* _____</p> <p>PE/HEALTH _____</p> <p>ELECTIVES CTE, Arts, JROTC, or any content area _____</p>
<p>High School Credits Earned During Middle School</p> <p>(1) _____</p> <p>(2) _____</p> <p>(3) _____</p>	<p style="text-align: center;">Credits earned during summer:</p> <p>Summer 20 __</p> <p>_____</p> <p>Summer 20 __</p> <p>_____</p>

THREE-YEAR ACCELERATED GRADUATION PLAN

Early Graduation Intent

Student Name _____ School: _____
 I, _____ (student name) intend to graduate from high school early. I intend to graduate in _____ semesters. I understand that as part of this process I will participate in the development of an early graduation plan and monitoring each semester.
 Student Signature _____ Date _____
 Parent Signature _____ Date _____

Early Graduation Planning Form

Graduation Requirements	REQUIRED CREDITS (please check off upon completion)					
ENGLISH (4 credits)						
MATH (4 credits)						
SCIENCE (3 credits)						
SOCIAL STUDIES (4 credits)						
WORLD LANGUAGE (2 credits)						
PE/HEALTH (1 credit)						
ELECTIVES (6 credits)						

Minimum credits required = 24 Credits

Student Credit(s) earned prior to entering high school:

Student Credit(s) earned through CDM:

Semester 1 20__ - 20__	Semester 2 20__ - 20__
ENGLISH I,II,III,IV, _____	ENGLISH I,II,III,IV, _____
MATH 1, 2, 3, 4 th _____	MATH 1, 2, 3, 4 th _____
SCIENCE Physical, Biology, Environmental, _____	SCIENCE Physical, Biology, Environmental, _____
SOCIAL STUDIES Civics, World, Am I, Am II, _____	SOCIAL STUDIES Civics, World, Am I, Am II, _____
WORLD LANGUAGE* _____	WORLD LANGUAGE* _____
PE/HEALTH _____	PE/HEALTH _____
ELECTIVES CTE, Arts, JROTC, or any content area _____	ELECTIVES CTE, Arts, JROTC, or any content area _____
Planning Meeting Date _____	Monitoring Meeting Date _____
Counselor _____	Counselor _____
Student _____	Student _____
Parent _____	Parent _____
Student has earned _____ total credits toward graduation.	Student has earned _____ total credits toward graduation.

Note: If a student is graduating in less than 8 semesters, please make an appointment with a school counselor to map out an early graduation path.

Note: There could be some exceptions to the world language requirement (entering military service, for example) for the three-year early graduation. In each case the principal and the school district would have to approve any exceptions.

<p>Semester 3 20__ - 20__ ENGLISH I,II,III,IV, _____ MATH 1, 2, 3, 4th _____ SCIENCE Physical, Biology, Environmental, _____ SOCIAL STUDIES Civics, World, Am I, Am II, _____ WORLD LANGUAGE* _____ PE/HEALTH _____ ELECTIVES CTE, Arts, JROTC, or any content area _____</p> <p>Planning Meeting Date _____ Counselor _____ Student _____ Parent _____ Student has earned _____ total credits toward graduation.</p>	<p>Semester 4 20__ - 20__ ENGLISH I,II,III,IV, _____ MATH 1, 2, 3, 4th _____ SCIENCE Physical, Biology, Environmental, _____ SOCIAL STUDIES Civics, World, Am I, Am II, _____ WORLD LANGUAGE* _____ PE/HEALTH _____ ELECTIVES CTE, Arts, JROTC, or any content area _____</p> <p>Monitoring Meeting Date _____ Counselor _____ Student _____ Parent _____ Student has earned _____ total credits toward graduation.</p>
<p>Semester 5 20__ - 20__ ENGLISH I,II,III,IV, _____ MATH 1, 2, 3, 4th _____ SCIENCE Physical, Biology, Environmental, _____ SOCIAL STUDIES Civics, World, Am I, Am II, _____ WORLD LANGUAGE* _____ PE/HEALTH _____ ELECTIVES CTE, Arts, JROTC, or any content area _____</p> <p>Planning Meeting Date _____ Counselor _____ Student _____ Parent _____ Student has earned _____ total credits toward graduation.</p>	<p>Semester 6 20__ - 20__ ENGLISH I,II,III,IV, _____ MATH 1, 2, 3, 4th _____ SCIENCE Physical, Biology, Environmental, _____ SOCIAL STUDIES Civics, World, Am I, Am II, _____ WORLD LANGUAGE* _____ PE/HEALTH _____ ELECTIVES CTE, Arts, JROTC, or any content area _____</p> <p>Monitoring Meeting Date _____ Counselor _____ Student _____ Parent _____ Student has earned _____ total credits toward graduation.</p>
<p>Semester 7 20__ - 20__ ENGLISH I,II,III,IV, _____ MATH 1, 2, 3, 4th _____ SCIENCE Physical, Biology, Environmental, _____ SOCIAL STUDIES Civics, World, Am I, Am II, _____ WORLD LANGUAGE* _____ PE/HEALTH _____ ELECTIVES CTE, Arts, JROTC, or any content area _____</p> <p>Monitoring Meeting Date _____ Counselor _____ Student _____ Parent _____ Student has earned _____ total credits toward graduation.</p>	<p>Credits earned during summer:</p> <p>Summer 20 __ _____ _____</p> <p>Summer 20 __ _____ _____</p> <p>Summer 20 __ _____ _____</p>

To be completed by the school upon student graduation:

Total semesters student was enrolled in high school: _____

Total credits earned toward graduation (including credits earned in middle school and/or through CDM): _____

Counselor signature _____ **Date** _____

GUIDELINES FOR ESTABLISHING RANK
(Students starting high school in or after 2015-2016)

Note: All students are now assessed on a ten-point grading scale. The scale is listed below:

A (90-100)	4.0 points per unit
B (80-89)	3.0 points per unit
C (70 - 79)	2.0 points per unit
D (60 - 69)	1.0 points per unit
F (below 60)	0.0 points per unit

Note: The weighted course scale applies only to students that entered high school in or after the start of the 2015 – 2016 School year.

Note: NCDPI recommends that school districts use the following conversion chart for courses taught outside of NC school districts or for courses that did not issue a numeric grade.

Letter Grade		Numeric Grade
A, A+, A-	=	95
B, B+, B-	=	85
C, C+, C-	=	75
D, D+, D-	=	65
F	=	55

The courses listed below are weighted. A weighted method is used by all high schools in New Hanover County to compute class rank. Schools calculate rank at the end of each school year. Final rank for all graduates includes all courses attempted during high school. Upon successful completion of these courses, the appropriate additional points are added. **With the exception of arts education courses, weighted credit is only granted the first time a student takes an honors or AP course.** The following scale is used for the computation of class rank:

COURSES	POINTS
Honors English I	.5
Honors English III	.5
Honors English IV	.5
Honors Creative Writing	.5
Honors NC Math 1	.5
Honors NC Math 3	.5
Pre-calculus	.5
Advanced Placement Calculus AB	1
Advanced Placement Statistics	1
Honors Biology	.5
Advanced Placement Biology	1
Honors Chemistry II (Advanced Placement Chemistry Prep)	.5
Honors Physics	.5
Advanced Placement Physics 1	1
Advanced Placement Physics C: Mechanics	1
AP Environmental Science	1
Honors Marine Science	.5

COURSES	POINTS
Honors English II	.5
Advanced Placement English III: Language and Composition	1
Advanced Placement English IV: Literature and Composition	1
Honors Journalism II (Yearbook)	.5
Honors Creative Writing II	.5
Honors NC Math 2	.5
Honors Discrete Mathematics for Computer Science	.5
Calculus	.5
Advanced Placement Calculus BC	1
Honors NC Math 4	.5
Honors Biology II (Advanced Placement Biology Prep)	.5
Honors Chemistry	.5
Advanced Placement Chemistry	1
Honors Biotechnology	.5
Advanced Placement Physics 2	1
Honors Environmental Science	.5
Honors Anatomy/Physiology	.5
Honors Oceanography	.5
Honors NC Wildlife	.5

COURSES	POINTS
BIO 170 - Biology of the Sea (Marine Science Academy)	.5
Honors The Founding Principles, Civics & Economics	.5
Honors American History I	.5
Advanced Placement European History	1
Advanced Placement U.S. History	1
Honors Service Learning	.5
Advanced Placement United States Government and Politics	1
Honors Dance Proficient	.5
Honors Visual Arts Proficient	.5
Advanced Placement Studio Art	1
Honors Theatre Arts Proficient	.5
Honors Ceramics Proficient	.5
Honors Photography Proficient	.5
Honors Jazz Ensemble Proficient	.5
Honors Technical Theater Proficient	.5
Honors Vocal Music Proficient	.5
Honors Band Proficient	.5
Honors Orchestra Proficient	.5
Advanced Placement Music Theory	1
Honors Air Force JROTC IV	.5
Honors French, German, Latin & Spanish (Level III)	.5
Honors French, German, Latin & Spanish (Level V)	.5
Advanced Placement Latin VI	1
Honors Apparel & Textile Production II	.5
Honors Food & Nutrition II	.5
Honors e-Commerce	.5
Honors Drafting – Engineering II	.5
Honors Drafting – Engineering III	.5
Hon. Scientific & Tech. Visual. II	.5
Honors Network Engineering Tech. II	.5
Honors Computer Engineering Technology II	.5
Honors Accounting II	.5
Honors Microsoft Excel and Access	.5
Honors Marketing	.5

COURSES	POINTS
OCN 150 - Intro to Oceanography (Marine Science Academy)	.5
Honors World History	.5
Honors American History II	.5
AP Comparative Government	1
Advanced Placement Psychology	1
Advanced Placement World History	1
AP Human Geography	1
Honors Dance Advanced	.5
Honors Visual Arts Advanced	.5
Advanced Placement Studio: Drawing	1
Honors Theatre Arts Advanced	.5
Honors Ceramics Advanced	.5
Honors Photography Advanced	.5
Honors Jazz Ensemble Advanced	.5
Honors Technical Theater Advanced	.5
Honors Vocal Music Advanced	.5
Honors Band Advanced	.5
Honors Orchestra Advanced	.5
Honors Army JROTC IV	.5
Honors Navy JROTC IV	.5
Honors French, German, Latin & Spanish (Level IV)	.5
Advanced Placement Spanish: Language and Culture	1
Honors Early Childhood Education II	.5
Honors Culinary Arts & Hospitality II	.5
Honors Personal Finance	.5
Honors Drafting I	.5
Honors Drafting – Architectural II	.5
Honors Drafting – Architectural III	.5
Honors Network Engineering I	.5
Hon. Network Engineering Tech. III	.5
Honors Nursing Fundamentals	.5
Honors Microsoft Word & PowerPoint	.5
Honors Health Science II	.5
Hon. Economics & Personal Finance	.5

GPA Calculation for Community College and University Courses

Note: This weighted grade scale for college courses applies only to students that entered high school in or after the start of the 2015 – 2016 School year.

Courses approved under the *Comprehensive Articulation Agreement for Transfer Courses* and taken at any accredited college or university will receive the equivalent of one quality point per course taken (equal to an Advanced Placement or International Baccalaureate Course).

Note: CTE Pathway courses do not count as weighted credit toward the student's high school Grade Point Average (GPA).

INTERNATIONAL BACCALAUREATE COURSE WEIGHT SCALE

COURSES	POINTS
Theory of Knowledge	1
Chinese Mandarin Standard Level	1
French Standard Level	1
Spanish Standard Level	1
Classical Language Latin (SL)	1
History 20 th Century Topics (SL)	1
Psychology Standard Level	1
Biology Higher Level	1
Mathematics: Analysis & Approaches HL	1
Visual Arts Standard Level	1
Dance Standard Level (SL)	1

COURSES	POINTS
Language and Literature (HL)	1
German Standard Level	1
French Higher Level	1
Spanish Higher Level	1
Classical Language Latin (HL)	1
History of Americas (HL)	1
Sports Exercise & Health Science SL	1
Mathematics: Analysis & Approaches SL	1
Mathematics: Applications & Interpretations SL	1
Visual Arts Higher Level	1
Dance Higher Level (HL)	1



HIGH SCHOOL DIPLOMA ENDORSEMENTS

Students in North Carolina public schools may receive one or more endorsements on their high school diploma. These endorsements indicate that students have completed specific course concentrations preparing them to be ready for college or careers. The five endorsements are:

- **Career Endorsement** - indicating completion of a rigorous course of study that includes a Career Technical Education concentration;
- **College Endorsement** - indicating readiness for entry into community colleges;
- **College/UNC Endorsement** - indicating readiness for entry into a four-year university in the University of North Carolina system;
- **NC Academic Scholars Endorsement** - indicating that students have completed a balanced and academically rigorous high school program preparing them for post-secondary education.
- **Global Languages Endorsement** - indicating proficiency in one or more languages in addition to English.

The specific requirements for earning these endorsements are defined below.

Career Endorsement

- A. Except as limited by N.C.G.S. §115C-81(b), the student shall complete the Future-Ready Core mathematics sequence of NC Math 1, 2, 3 and a fourth mathematics course aligned with the student's post-secondary plans. Acceptable fourth math courses for the Career Endorsement include any math course that may be used to meet NC high school graduation requirements, including applied math courses found in the Career and Technical Education (CTE) domain.
- B. The student shall complete a CTE concentration in one of the approved CTE Cluster areas (<http://www.ncpublicschools.org/cte/curriculum/>):
 - Agriculture
 - Food and Natural Resources
 - Architecture and Construction
 - Arts, A/V Technology and Communications
 - Business, Management and Administration
 - Education and Training
 - Finance -Government and Public Administration
 - Health Science -Hospitality and Tourism
 - Human Services
 - Information Technology
 - Law, Public Safety, Corrections and Security -Manufacturing
 - Marketing, Sales and Service
 - Science, Technology, Engineering and Mathematics
 - Transportation, Distribution and Logistics
- C. The student shall earn an unweighted grade point average of at least 2.6.
- D. The student shall earn at least one industry-recognized credential. Earned credentials can include Career Readiness Certificates (CRC) at the Silver level or above from WorkKeys assessments OR another appropriate industry credentials/certification.

College Endorsement

- A. The student shall complete the Future-Ready Core mathematics sequence of NC Math 1, 2, 3 and a fourth mathematics course aligned with the students post-secondary plans. The fourth math course must meet University of North Carolina system Minimum Admission Requirements or be acceptable for earning placement in a credit bearing college math class under the North Carolina Community College System's Multiple Measures Placement policy.
- B. The student shall earn an unweighted grade point average of at least 2.6.

College/UNC Endorsement

- A. The student shall complete the Future-Ready Core mathematics sequence of NC Math 1, 2, 3 and a fourth mathematics course that meets University of North Carolina system Minimum Admission Requirements that include a mathematics course with either NC Math 3, Math II, or Integrated Mathematics III as a pre-requisite.
- B. The student shall complete three units of science including at least one physical science, one biological science and one laboratory science course that must include either physics or chemistry.
- C. The student shall complete two units of a world language (other than English).
- D. The student shall earn a weighted grade point average of at least 2.5.

North Carolina Academic Scholars Endorsement

- A. The student shall complete the Future-Ready Core mathematics sequence of NC Math 1, 2, 3 and a fourth mathematics course that meets University of North Carolina system Minimum Admission Requirements that include a mathematics course with either NC Math 3, Math II, or Integrated Mathematics III as a pre-requisite.
- B. The student shall complete three units of science including an Earth/Environmental science course, Biology, and at least one physical science course that must include either physics or chemistry.
- C. For students entering 9th grade in 2012-13 or later the student shall complete four units of social studies including World History; American History: Founding Principles, Civics and Economics; and American History I and American History II.
- D. The student shall complete two units of a world language (other than English).
- E. The student shall complete four elective credits constituting a concentration recommended from one of the following: Career and Technical Education (CTE), JROTC, Arts Education, Second Languages, any other subject area.
- F. The student shall have taken three higher level courses during junior and/or senior years which carry quality points such as Advanced Placement; International Baccalaureate; Dual or college equivalent courses; Advanced CTE and CTE credentialing courses; Online courses; Honors level courses OR two higher level courses during junior and/or senior years which carry quality points such as Advanced Placement; International Baccalaureate; Dual or college equivalent courses; Advanced CTE and CTE credentialing courses; Online courses; Honors level courses and a Graduation Project.
- G. The student shall earn an unweighted grade point average of at least 3.50.

Global Languages Endorsement

- A. The student shall earn a combined 2.5 GPA for the four English Language Arts courses required for graduation.
- B. The student shall establish proficiency in one or more languages in addition to English, using one of the options outlined below and in accordance with the guidelines developed by the North Carolina Department of Public Instruction.
 - i. Pass an external exam approved by the North Carolina Department of Public Instruction establishing “Intermediate Low” proficiency or higher per the American Council on the Teaching of Foreign Languages (ACTFL) proficiency scale.
 - ii. ******(this part is most likely to apply to NHCS students)* Complete a four-course sequence of study in the same world language, earning an overall GPA of 2.5 or above in those courses.**
 - iii. Establish “Intermediate Low” proficiency or higher per the ACTFL proficiency scale using the Credit by Demonstrated Mastery policy described in GCS-M-001.
- C. Limited English Proficiency students shall complete all the requirements of sections A and B above and reach “Developing” proficiency per the World-Class Instructional Design and Assessment (WIDA) proficiency scale in all four domains on the most recent state identified English language proficiency test.

***Students skipping world language levels 1 and 2 are still eligible for this endorsement if they complete level 3 and / or level 4 and maintain the 2.5 GPA.



NC FUTURE-READY CORE COURSE OF STUDY (Plan A)

Note: *These requirements are for students entering high school before 2020-2021.*

CONTENT AREA	FUTURE-READY CORE
English	4 Credits I, II, III, IV
Mathematics	4 Credits (NC Math 1, NC Math 2, NC Math 3) 4th Math course should be aligned with the student's post-secondary plans.
Science	3 Credits Earth/Environmental Science, Biology, a physical science course
Social Studies	4 Credits <ul style="list-style-type: none"> • Each student will need at least 1 World History Course, 1 Civics course, 1 American History course, and 1 social studies elective <p>* World History * A Civics Course: Either Civics and Economics or the new Civic Literacy * An American History Course: American I, American II, or the new American History Course or AP U.S. History * A Social Studies Elective (can be any social studies course – including an AP course)</p> <p><i>*AP U.S. History can take the place of the American History requirement.</i></p>
Second Language	Not required for graduation. Required to meet minimum application requirements for UNC system schools as well as most out of state four-year schools.
Health and Physical Education	1 Credit Health/Physical Education <i>Students must have Hands-Only CPR certification.</i>
Electives	6 Credits required <p>2 Elective credits of any combination from either:</p> <ul style="list-style-type: none"> • Career and Technical Education (CTE) • Arts Education - (Dance, Music, Theatre Arts, Visual Arts) • Second Languages <p>4 Elective credits strongly recommended (four course concentration) from one of the following:</p> <ul style="list-style-type: none"> • Career and Technical Education (CTE) • JROTC • Arts Education – (Dance, Music, Theatre Arts, Visual Arts) • Any other subject area (e.g. mathematics, science, social studies, English – Including Individualized Curriculum)
Additional NHCS Requirements	6 credits Students can select any additional course offerings from the Curriculum Course Guide (depending upon individual school availability).
Total	28 Credits

NC FUTURE-READY CORE COURSE OF STUDY (Plan B)

Note: *These requirements are for students entering high school in 2020-2021.*

CONTENT AREA	FUTURE-READY CORE
English	4 Credits I, II, III, IV
Mathematics	4 Credits (NC Math 1, NC Math 2, NC Math 3) 4th Math course should be aligned with the student's post-secondary plans.
Science	3 Credits Earth/Environmental Science, Biology, a physical science course
Social Studies	4 Credits Each student will need at least 1 World History Course, 1 Civics course, 1 American History course, 1 Economics and Personal Finance course. *World History *A Civics Course: Either Civics and Economics or the new Civic Literacy *An American History Course: American I, American II, or the new American History Course or AP U.S. History *Economics and Personal Finance *AP U.S. History can take the place of the American History requirement.
Second Language	Not required for graduation. Required to meet minimum application requirements for UNC system schools as well as most out of state four-year schools.
Health and Physical Education	1 Credit Health/Physical Education <i>Students must have Hands-Only CPR certification.</i>
Electives	6 Credits required 2 Elective credits of any combination from either: <ul style="list-style-type: none"> • Career and Technical Education (CTE) • Arts Education - (Dance, Music, Theatre Arts, Visual Arts) • Second Languages 4 Elective credits strongly recommended (four course concentration) from one of the following: <ul style="list-style-type: none"> • Career and Technical Education (CTE) • JROTC • Arts Education – (Dance, Music, Theatre Arts, Visual Arts) • Any other subject area (e.g. mathematics, science, social studies, English – Including Individualized Curriculum)
Additional NHCS Requirements	6 credits Students can select any additional course offerings from the Curriculum Course Guide (depending upon individual school availability).
Total	28 Credits

NC OCCUPATIONAL COURSE OF STUDY

CONTENT AREA	Future Ready - NC OCCUPATIONAL COURSE OF STUDY REQUIREMENTS Selected students with an Individualized Education Program (IEP).
English	4 Credits English I, II, III, IV (English II by Grade 10)
Mathematics	3 Credits Occupational Introduction to Mathematics I, Math I, Occupational Financial Management
Science	2 Credits Applied Science and Applied Biology
Social Studies	2 Credits For OCS Students entering Grade 9 for the 1st time in 2017-2018 <ul style="list-style-type: none"> • Civics & Economics • American History I OR American History II
	2 Credits For OCS Students entering Grade 9 for the 1st time in 2020-2021 <ul style="list-style-type: none"> • Students must take a Civics Founding Principles Course: Either Civics and Economics or the new Civic Literacy • Economics and Personal Finance (EPF)
Health & Physical Education	1 Credit Health/Physical Education
Other Requirements	6 Credits Occupational Preparation: Prep I, II, III, and IV (Prep IV requires a Career Portfolio)
Career Technical Education (CTE)	4 Credits Career Technical Education electives
Arts Education (Dance, Music, Theatre, & Visual Arts)	At least one credit recommended but not required.
Second Language	Not required
Computer Skills	Computer proficiency as specified in IEP
Vocational Training Hours Requirement	Required: Completion of... For students entering Grade 9 <u>prior</u> to the 2014-2015 School Year: <ul style="list-style-type: none"> • 300 hours of School Based training • 240 hours of Community Based training • 360 hours of paid competitive employment For students entering Grade 9 in the 2014-2015 School Year or after: <ul style="list-style-type: none"> • 150 hours of School Based Training • 225 hours of Community Based Training • 225 hours of paid competitive employment (or Unpaid Vocational Training, etc. if paid options are exhausted)
Total	22 Credits *Including completion of Vocational Training (Work) Hours

COLLEGE ADMISSIONS REQUIREMENTS

Students planning to attend college after graduation from high school should consult school counselors, college and university websites, and college admission officials concerning requirements for admission.

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| <ul style="list-style-type: none"> • Appalachian State University • East Carolina University • Elizabeth City State University • Fayetteville State University • NC Agricultural & Technical State University • North Carolina Central University • North Carolina School of the Arts • North Carolina State University | <ul style="list-style-type: none"> • University of North Carolina Asheville • University of North Carolina Chapel Hill • University of North Carolina Charlotte • University of North Carolina Greensboro • University of North Carolina Pembroke • University of North Carolina Wilmington • Western Carolina University • Winston-Salem State University |
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UNC System Requirements
<p>Six (6) credits in language, including</p> <ul style="list-style-type: none"> • Four (4) credits in English emphasizing grammar, composition, and literature, and • Two (2) credits of a language other than English
<p>Four (4) credits in mathematics* in any of the following combinations:</p> <p>For students entering high school in 2012-13 and beyond: • NC Math 1, NC Math 2, NC Math 3, and one credit beyond NC Math 3</p> <p>*It is recommended that prospective students take a mathematics credit in the twelfth grade.</p>
<p>Three (3) credits in science, including:</p> <ul style="list-style-type: none"> • At least one (1) credit in a life or biological science (for example biology), • At least one (1) credit in a physical science (for example, physical science, chemistry, physics), and • At least one (1) laboratory course
<p>Two credits in social studies, including:</p> <ul style="list-style-type: none"> • One (1) credit in United States history** <p>**An applicant who does not have a credit in U.S. history may be admitted on the condition that at least three (3) semester hours in that subject will be passed by the end of the sophomore year.</p>

Note: *Students completing the Future Ready Core Course of Study along with two courses in the same foreign language and having a 2.5 GPA or higher, will meet the minimum admission requirements for any of the University of North Carolina System Schools.*

The requirements for admission to UNC System schools do not apply to the community colleges in North Carolina. Community colleges have their own admission requirements. Many have agreements with universities to allow students to apply for transfer from a two-year to a four-year program.

For general information on how to plan, apply and pay for college, please visit the following web address:
<https://www.cfnc.org/index.jsp>

ARTS EDUCATION

New Hanover County Arts Education courses are aligned directly with the North Carolina Arts Education Essential Standards. All arts courses are organized by four proficiency levels: Beginning, Intermediate, Proficient, and Advanced.

All Beginning standards are designed for students with no or limited K-8 progression in an arts discipline. Intermediate standards are designed for those students who have had a complete K-8 progression in an arts discipline or can demonstrate mastery of beginning standards in an arts discipline. Proficient arts education standards are designed for students who have mastered Intermediate standards in an arts discipline. Advanced arts education standards are designed for students who have mastered Proficient standards in an arts discipline.

Note: *Students who enter in the 9th grade and desire the Honors Curriculum are required to audition for a Performing Art (Band, Choir, Dance, Theater or Orchestra) or present a Portfolio for Fine Arts (Visual Art, Ceramics or Sculpture). There will also be an interview conducted to assess knowledge pertaining to technique, history and other factors that are involved in an Honors Level Course. Freshman entering in 2015-2016 will receive the .5 level weight associated with all other Honors level classes.*

State Board of Education Policy GCS-L-004 states that arts education courses will receive an additional weighted (honors) credit of one point at the proficient and advanced levels. Students may repeat arts education courses for credit at any proficiency level, including proficient and advanced.

In addition to the four proficiency levels provided by the state, students may also access AP Arts Education courses which receive an additional two weighted points.

VISUAL ARTS

54202X0A * BEGINNING APPLIED ARTS (ASH)

Credit 1 unit

This course is for students with limited or no visual arts experience and adheres to the North Carolina Essential Standards for *Beginning Visual Arts*. This course will introduce students to the elements and principles of design, color theory, art vocabulary, creative problem solving and safety within the studio environment. *Beginning Applied Arts* will focus on utilizing collaboration as well as basic design and production concepts to create two-dimensional ideas and transform these ideas into finished three-dimensional works using a variety of media

54152X0A * VISUAL ARTS (BEGINNING)

Credit 1 unit

Note: *This course may be repeated for credit.*

This introductory visual arts course is designed to enable the student to develop skills in drawing, painting, printmaking, and sculpture. The skills learned in this course serve as a foundation for art study throughout high school. This course examines art processes, procedures, theories, and historical developments. Students produce two-dimensional and three-dimensional artworks. This course emphasizes the study of art elements and principles of design, color theory, vocabulary, and safety in the art room. Basic supplies are provided.

54162X0A * VISUAL ARTS (INTERMEDIATE)

Credit 1 unit

Prerequisite Visual Arts (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Visual Arts (Intermediate) builds on the technical skills and foundation of knowledge developed in Visual Arts (Beginning). The study of the elements of art and principles of design, color theory, vocabulary, and art continues in a less teacher-directed situation. Various art processes, procedures, and theories are presented in a problem-solving manner, which allows for independent choices and personal solutions to problems. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. Basic supplies are provided.

54175X0A * HONORS VISUAL ARTS (PROFICIENT)

Credit 1 unit

Prerequisites Visual Arts (Beginning), (Intermediate), and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Visual Arts (Proficient) is an advanced level course which addresses the Essential Standards and Clarifying Objectives for Visual Art with greater complexity, novelty, and acceleration. This course is an individualized and activity-based curriculum requiring learning experiences that are often exploratory, experiential, and/or open-ended. Work is often generated through, and resulting from, a studio and/or seminar approach. Students are required to take significant responsibility for their study and production of art. Focus areas for this course include research, analysis, reflection, application, and production of art. Basic materials are provided. Students desiring to do work beyond what is normally expected in class will provide their own materials.

54185X0A * HONORS VISUAL ARTS (ADVANCED)

Credit 1 unit

Recommended Prerequisites Honors Visual Arts (Proficient) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Students in this advanced level course follow the Essential Standards and Clarifying Objectives for Visual Art with the highest level of complexity, expectations, and acceleration. This most advanced level course requires additional in-depth knowledge of art processes, history, and media, including the use of technology to study, learn, and, when applicable, to produce art. Students strive to exhibit fluency of ideas and products and understand the basic rationale and psychology behind the creative process. As a result, students become initiators of learning and demonstrate mastery of skills and processes with a completed portfolio. Basic supplies are provided. Students desiring to do work beyond what is normally expected in class will provide their own materials.

54622X0CI * CERAMICS (INTERMEDIATE)

Credit 1 unit

Prerequisite Visual Arts (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Ceramics is an introduction to the art of working with clay. This course includes hand-building techniques (coil, slab, and pinch methods), surface treatments, glazing, and introduction to the potter's wheel. Students research the cultural and historical perspectives of this medium. Art history, criticism, and aesthetics are experienced through visual, verbal, and written means. Basic supplies are provided.

54635X0CP * HONORS CERAMICS (PROFICIENT)

Credit 1 unit

Prerequisite Ceramics (Intermediate) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This honors course in ceramics is an advanced level course which addresses techniques and processes in ceramics with greater complexity, novelty, and acceleration. This course is an individualized and activity-based curriculum requiring learning experiences that are often exploratory, experiential, and/or open-ended. Work is often generated through, and resulting from, a studio and/or seminar approach. Students are required to take significant responsibility for their study and production of art. Focus areas for this course include research, analysis, reflection, application, and production of art. Basic materials are provided. Students desiring to do work beyond what is normally expected in class will provide their own materials.

54645X0CA * HONORS CERAMICS (ADVANCED)

Credit 1 unit

Prerequisite Honors Ceramics (Proficient) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This is the most advanced level ceramics course and requires additional in-depth knowledge of art processes, history, and media, including the use of technology to study, learn, and, when applicable, to produce art. Students strive to exhibit fluency of ideas and products and understand the basic rationale and psychology behind the creative process. As a result, students become initiators of learning and demonstrate mastery of skills and processes with a completed portfolio. Basic supplies are provided. Students desiring to do work beyond what is normally expected in class will provide their own materials.

54622X0SI * SCULPTURE (INTERMEDIATE)

Credit 1 unit

Prerequisite Visual Arts (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This course explores three-dimensional design using construction techniques with traditional and non-traditional materials. Additive and subtractive methods (carving, modeling, and casting) are employed with a variety of media. Art history, criticism, and aesthetics are experienced through visual, verbal, and written means. Basic supplies are provided.

PHOTOGRAPHY**54622X0PI * PHOTOGRAPHY (INTERMEDIATE) (Laney HS)**

Credit 1 unit

Recommended Prerequisite Visual Arts (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

In Photography (Intermediate), various photography processes, procedures, and theories are presented in a problem-solving manner, which allows for independent choices and personal solutions to problems. Students must have access to a 35-mm camera as well as film and photographic paper.

54635X0PP * HONORS PHOTOGRAPHY (PROFICIENT) (Laney HS)

Credit 1 unit

Prerequisites Photography (Intermediate) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This honors course in photography is an advanced level course which addresses techniques and processes in photography with greater complexity, novelty, and acceleration. This course is an individualized and activity-based curriculum requiring learning experiences that are often exploratory, experiential, and/or open-ended. Work is often generated through, and resulting from, a studio and/or seminar approach. Students are required to take significant responsibility for their study and production of photography. Focus areas for this course include research, analysis, reflection, application, and production. Students must have access to a 35-mm camera as well as film and photographic paper.

54645X0PA * HONORS PHOTOGRAPHY (ADVANCED) (Laney HS)

Credit 1 unit

Prerequisite Honors Visual Arts (Proficient) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This is the most advanced level photography course and requires additional in-depth knowledge of photographic processes, history, and media, including the use of technology to study, learn, and, when applicable, to produce photographs. Students strive to exhibit fluency of ideas and products and understand the basic rationale and psychology behind the creative process. As a result, students become initiators of learning and demonstrate mastery of skills and processes with a completed portfolio. Basic supplies are provided. Students must have access to a 35-mm camera as well as film and photographic paper.

5A047X0A * ADVANCED PLACEMENT STUDIO Art: DRAWING (AHS)

Credit 1 unit

Recommended Prerequisites Honors Visual Arts (Proficient) and Honors Visual Arts (Advanced)

Note: *It is recommended that Honors Visual Arts (Advanced) be taken the semester before Advanced Placement Studio Art.*

Advanced Placement Studio Art: Drawing is a rigorous, experiential course which results in the creation of a portfolio of twenty-four works. The portfolio must exhibit proficiency in three categories: quality, breadth, and concentration. **The Drawing portfolio addresses a wide range of approaches and media with a specific focus on drawing issues.** Students are required to work outside the classroom and beyond scheduled periods. In addition, students may be asked to provide their own materials depending on their choice of media. At the end of the course the student's portfolio will be evaluated by the College Board. These works are submitted digitally through the AP College Board website while five actual works are mailed for assessment. In this manner, students may possibly earn course exemption and/or credit at the college/university level.

5A027X0A * ADVANCED PLACEMENT STUDIO ART: 2-D DESIGN (AHS,NHHS, JTH)

Credit 1 unit

Recommended Prerequisites Honors Visual Arts (Proficient) and Honors Visual Arts (Advanced)

Note: *It is recommended that Honors Visual Arts (Advanced) be taken the semester before Advanced Placement Studio Art.*

Advanced Placement Studio Art: 2-D Design is a rigorous, experiential course which results in the creation of a portfolio containing five actual works and twenty-four slides using a variety of art forms. The works in the portfolio must exhibit proficiency in three categories: quality, breadth, and concentration. Students are required to work outside the classroom and beyond scheduled periods. In addition, students may be asked to provide their own materials depending on their choice of media. At the end of the course the student's portfolio will be evaluated by the College Board. In this manner, students may possibly earn course exemption and/or credit at the college/university of their choice.

DANCE**51152X0A * DANCE (BEGINNING) (EAL, JTH)**

Credit 1 unit

Note: *This course may be repeated for credit.*

Dance (Beginning) explores movement as a creative art form. Students develop kinesthetic awareness, proper body alignment, physical strength, flexibility, and endurance. Improvisation, expressive movement, and basic modern dance techniques are explored. Students experience the role of both choreographer and dancer and have opportunities to present their work. The study of dance in various cultures and historical periods and the study of dance as a career are explored. Attendance at after school rehearsals and performances is required.

51162X0A * DANCE (INTERMEDIATE) (EAL, JTH)

Credit 1 unit

Prerequisite Dance (Beginning) and /or demonstrated ability

Note: This course may be repeated for credit.

This course is an exploration of the elements of dance and the acquisition of intermediate movement skills and refined motor control. It is designed to give further study of ballet, modern and creative dance, jazz, and stage techniques. Students extend their understanding of dance through improvisations, the study of the history of dance, and opportunities to choreograph and perform. Proper dance attire is required. Attendance at after-school rehearsals and performances is also required.

51175X0A * HONORS DANCE (PROFICIENT) (EAL, JTH)

Credit 1 unit

Prerequisites Dance (Intermediate), and/or demonstrated ability

Note: This course may be repeated for credit.

Honors Dance (Proficient) addresses the Essential Standards and Qualifying Objectives for Dance with greater complexity, novelty, and acceleration. Students demonstrate a commitment to personal fitness and technical skill. This course focuses on more advanced, individualized work in authentic learning situations, as well as in-depth research, analysis, reflection, and performance. Students maintain a portfolio that contains written and/or visual examples of their work. Proper dance attire is required. Attendance at after-school rehearsals and performances is also required.

51185X0A * HONORS DANCE (ADVANCED) (EAL, JTH)

Credit 1 unit

Prerequisites Honors Dance (Proficient), and/or demonstrated ability

Note: This course may be repeated for credit.

Honors Dance (Advanced) follows the Essential Standards and Clarifying Objectives for Dance with the highest level of complexity, expectations, and acceleration. Students use expanded aesthetic criteria to analyze, synthesize, and evaluate their own choreography and performance, as well as that of others. Students learn to assess personal health and fitness, develop and achieve personal dance goals, and integrate knowledge and skills with a variety of other content areas. Students maintain a portfolio containing written and/or visual examples of their work. Proper dance attire is required. Attendance at after-school rehearsals and performances is also required.

MUSIC**52172X0A * MUSIC THEORY (INTERMEDIATE)**

Credit 1 unit

Suggested Prerequisites Band (Beginning), Orchestra (Beginning), or Vocal Music (Beginning)

Note: This course may be repeated for credit.

This course is designed for students who wish to increase their understanding of the elements of music. Ear training, keyboard harmony, composition, arranging, and evaluating music are emphasized. Through analysis and the study of history, appropriate music vocabulary, and symbols, this course provides students with an appreciation and understanding of music in relation to styles, periods, composers, and cultures.

52157X0A * ADVANCED PLACEMENT MUSIC THEORY

Credit 1 unit

Recommended Prerequisites Band (Advanced), Orchestra (Advanced), or Vocal Music Advanced) or Music Theory (Intermediate)

The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course progresses to include more creative tasks, such as the harmonization of a melody by selecting appropriated chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation.

BAND

52552X0A * BAND (BEGINNING)

Credit 1 unit

Note: *First-year students must enroll in both the fall and spring semesters.
This course may be repeated for credit.*

This course provides students with basic instrumental techniques, performance skills, and music theory. Band literature representing diverse genres, styles, and cultures is an integral part of this course. Students develop skills in listening to, analyzing, evaluating, and reading music. They develop an understanding of band literature in relationship to history, culture, and other content areas.

The fall semester includes activities in Marching Band such as football games, competitions, and parades, as well as Concert Band activities. The spring semester includes activities in Concert Band such as All-District Band, All-County Band, State Contest and other concerts, Solo/Small Ensembles, and Marching Band activities such as parades and show preparation. Attendance at after-school rehearsals and performances is required.

52562X0A * BAND (INTERMEDIATE)

Credit 1 unit

Prerequisites Band (Beginning) and/or demonstrated ability

Note: *First-year students must enroll in both the fall and spring semesters.
This course may be repeated for credit.*

This course provides students with opportunities to develop and demonstrate appropriate instrumental practices. Students further develop skills in listening to, analyzing, evaluating, and reading music and playing with increased technical accuracy and expression. Band literature, which includes moderate technical demands, expanded ranges, varied interpretive requirements representing diverse genres, styles, and cultures, is an integral part of this course.

The fall semester includes activities in Marching Band such as football games, competitions, and parades, as well as Concert Band activities. The spring semester includes activities in Concert Band such as All-District Band, All-County Band, State Contest and other concerts, Solo/Small Ensembles, and Marching Band activities such as parades and show preparation. Attendance at after-school rehearsals and performances is required.

52575X0A * HONORS BAND (PROFICIENT)

Credit 1 unit

Prerequisites Band (Intermediate), and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Band (Proficient) addresses the Essential Standards and Clarifying Objectives for Band with greater complexity, expectations, and acceleration. It also provides a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. This course provides more advanced, individualized work in authentic learning situations. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work.

The fall semester includes activities in Marching Band such as football games, competitions, and parades, as well as Concert Band activities. The spring semester includes activities in Concert Band such as All-District Band, All-County Band, State Contest and other concerts, Solo/Small Ensembles, and Marching Band activities such as parades and show preparation. Attendance at after-school rehearsals and performances is required.

52585X0A * HONORS BAND (ADVANCED)

Credit 1 unit

Recommended Prerequisites Band (Proficient), Honors Band (Proficient), and/or demonstrated ability

Note: *This course may be repeated for credit.*

This course is the highest level of the band music program and is intended to provide more advanced, individualized work in authentic learning situations. Honors Band (Advanced) addresses the Essential Standards and Qualifying Objectives for Music at the highest level of acceleration, expectations, and rigor. This course provides a foundation for advanced proficiencies in music performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work.

The fall semester includes activities in Marching Band such as football games, competitions, and parades, as well as Concert Band performances.

The spring semester includes activities in Concert Band such as All-District Band, All-County Band, State Contest and other concerts, Solo/Small Ensembles, and Marching Band activities such as parades and show preparation. Attendance at after-school rehearsals and performances is required.

JAZZ ENSEMBLE**52172X0A * JAZZ ENSEMBLE (INTERMEDIATE)**

Credit 1 unit

Prerequisite Demonstrated ability

Note: *This course may be repeated for credit.*

This course offers instruction in and experience with various dance band styles, popular instrumental music styles, and jazz styles and techniques. This course includes the study of improvisation and the reading of popular music and jazz rhythms. Attendance at after-school rehearsals and performances is required.

52185X0A * HONORS JAZZ ENSEMBLE (PROFICIENT)

Credit 1 unit

Prerequisites Jazz Ensemble (Intermediate), and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Jazz Ensemble (Proficient) addresses the Essential Standards and Clarifying Objectives for Music with greater complexity, expectations, and acceleration. It also provides a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. This course provides more advanced, individualized work in authentic learning situations. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work.

52195X0A * HONORS JAZZ ENSEMBLE (ADVANCED)

Credit 1 unit

Prerequisites Honors Jazz Ensemble (Proficient) and /or demonstrated ability

Note: *This course may be repeated for credit.*

This course is the highest level of the jazz ensemble program and is intended to provide more advanced, individualized work in authentic learning situations. This course addresses the Essential Standards and Qualifying Objectives for Music at the highest level of acceleration, expectations, and rigor. Jazz Ensemble (Advanced) provides a foundation for advanced proficiencies in music performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work.

ORCHESTRA**52402X0A * ORCHESTRA (BEGINNING)**

Credit 1 unit

Note: *This course may be repeated for credit.*

This course provides students with basic instrumental techniques, performance skills, and music theory. Orchestra literature representing diverse genres, styles, and cultures is an integral part of this course. Students develop skills in listening to, analyzing, evaluating, and reading music. They also develop an understanding of orchestra literature in relationship to history, culture, and other content areas. Proper concert attire is required. Attendance at after-school rehearsals and performances is required.

52412X0A * ORCHESTRA (INTERMEDIATE)

Credit 1 unit

Prerequisites Orchestra (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This course provides students with opportunities to develop and demonstrate appropriate instrumental practices. Students further develop skills in listening to, analyzing, evaluating, and reading and playing music within creased technical accuracy and expression. Orchestral literature, which includes moderate technical demands, expanded ranges, varied interpretive requirements representing diverse genres, styles, and cultures, is an integral part of this course. Proper concert attire is required. Attendance at after-school rehearsals and performances is required.

52425X0A * HONORS ORCHESTRA (PROFICIENT)

Credit 1 unit

Prerequisites Orchestra (Intermediate) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Orchestra (Proficient) addresses the Essential Standards and Clarifying Objectives for Music with greater complexity, expectations, and acceleration. It also provides a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. This course provides more advanced, individualized work in authentic learning situations. Additionally, students must create and/or maintain a portfolio which contains a combination of written, audio, or visual examples of their work. Proper concert attire is required. Attendance at after-school rehearsals and performances is required.

52435X0A * HONORS ORCHESTRA (ADVANCED)

Credit 1 unit

Prerequisites Honors Orchestra (Proficient), and/or demonstrated ability

Note: *This course may be repeated for credit.*

This course is the highest level of the orchestra music program and is intended to provide more advanced, individualized work in authentic learning situations. The Essential Standards and Clarifying Objectives for Music are addressed at the highest level of complexity, acceleration, and rigor. This course provides a foundation for advanced proficiencies in music performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work. Proper concert attire is required. Attendance at after-school rehearsals and performances is also required.

VOCAL MUSIC**52302X0A * VOCAL MUSIC (BEGINNING)**

Credit 1 unit

Note: *This course may be repeated for credit.*

This course provides students with basic vocal techniques, performance skills, and music theory. Choral literature representing diverse genres, styles, and cultures is an integral part of this course. Students develop skills in listening to, analyzing, evaluating, and reading music. They also develop an understanding of choral literature in relation to history, culture, and other content areas. Proper concert attire is required. Attendance at after-school rehearsals and performances is also required.

52312X0A * VOCAL MUSIC (INTERMEDIATE)

Credit 1 unit

Prerequisites Vocal Music (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This course provides students with opportunities to develop and demonstrate appropriate vocal practices and refine the use of the voice. Students listen to, analyze, evaluate, and read music. They sing with increased technical accuracy and expression. Choral literature, which includes moderate technical demands, expanded ranges, varied interpretive requirements representing diverse genres, styles, and cultures, is an integral part of this course. Proper concert attire is required. Attendance at after-school rehearsals and performances is also required.

52325X0A * HONORS VOCAL MUSIC (PROFICIENT)

Credit 1 unit

Prerequisites Vocal Music (Intermediate), and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Vocal Music (Proficient) addresses the Essential Standards and Clarifying Objectives for Music with greater complexity, acceleration, and expectations. The course provides opportunities for students to develop and demonstrate advanced vocal practices and refine the use of the voice as an instrument. Honors Vocal Music (Proficient) provides a foundation for advanced proficiencies in performance, conducting, listening, analyzing, composing, and written research. Students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work. Proper concert attire is required. Attendance at after-school rehearsals and performances is also required.

52335X0A * HONORS VOCAL MUSIC (ADVANCED)

Credit 1 unit

Prerequisite Honors Vocal Music (Proficient), and/or demonstrated ability

Note: *This course may be repeated for credit.*

This course is the highest level of the vocal music program and is intended to provide more advanced, individualized work in authentic learning situations. Honors Vocal Music (Advanced) addresses the Essential Standards and Clarifying Objectives for music with complexity and rigor. Students sing difficult vocal literature and refine the use of the voice as an instrument. This course provides a foundation for advanced proficiencies in music performance, conducting, listening, analyzing, composing, and written research. Additionally, students must create and/or maintain a portfolio that contains a combination of written, audio, or visual examples of their work. Proper concert attire is required. Attendance at after-school rehearsals and performances is also required.

THEATRE ARTS**53152X0A * THEATRE ARTS (BEGINNING)**

Credit 1 unit

Note: *This course may be repeated for credit.*

Theatre Arts (Beginning) promotes learning the essential vocabulary and processes of theatre. It includes personal development, structure of plays, varieties of plays, evaluation, improvisation, pantomime, voice and diction, and acting. In addition, students learn about and reflect upon aspects of theatre through history and different cultures, as well as the various forms of theatre and theatre-related media. This course also assists students in developing a sense of creativity and spontaneity. Attendance at after-school rehearsals and all performances is required.

53162X0A * THEATRE ARTS (INTERMEDIATE)

Credit 1 unit

Prerequisite Theatre Arts (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Theatre Arts (Intermediate) is designed for students who wish to continue their exploration of theatre arts. It is a more detailed study of theatre vocabulary, reading, and writing of theatre literature, acting, and technical theatre. The acting experience in Theatre Arts (Intermediate) furthers the exploration of the concepts of self, body and voice, improvisation, and acting techniques. In addition, students begin to analyze and critique student-generated work, as well as that created throughout history and various cultures. Attendance at after-school rehearsals and all performances is required.

53175X0A * HONORS THEATRE ARTS (PROFICIENT)

Credit 1 unit

Prerequisites Theatre Arts (Intermediate) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Theatre Arts (Proficient) is an advanced course offering study and work often generated through and resulting from seminar or ensemble. This course follows the Essential Standards and Clarifying Objectives for Theater with greater complexity, expectations, and rigor. Students are involved in a wide variety of activities including historical research for productions, script writing through improvisation, directing, designing, conceptualizing, and realizing informal and formal productions. Independent work in this course develops commitment and helps students form aesthetic judgments and refine artistic choices. Full-length and one-act plays are produced. Attendance at after-school rehearsals and all performances is required.

53185X0A * HONORS THEATRE ARTS (ADVANCED)

Credit 1 unit

Prerequisite Honors Theatre Arts (Proficient), and/or demonstrated ability

Note: *Honors Theatre Arts (Advanced) -Fall or Honors Theatre Arts (Advanced) - Spring may be taken for one unit of credit or both courses may be taken for two units of credit.*

This course may be repeated for credit.

Honors Theatre Arts (Advanced) is the highest level theater course which concentrates on in-depth research, analysis, reflection, application, production, and performance. This course follows the Essential Standards and Clarifying Objectives for Theatre with complexity and rigor. Students become initiators of learning and demonstrate leadership and expertise in theatre arts. Attendance at after-school rehearsals and all performances is required.

53622X0A * TECHNICAL THEATRE (INTERMEDIATE)

Credit 1 unit

Prerequisite Theatre Arts (Beginning) and/or demonstrated ability

Note: *This course may be repeated for credit*

This course is designed to teach students to understand and demonstrate a working knowledge of how the various areas of technical theatre operate and support performances. After extensive research, students create props and costumes and work with makeup, lights, and sound using available resources. Students gain experience in generating publicity for productions. Attendance at after-school rehearsals and all performances is required.

53635X0A * HONORS TECHNICAL THEATRE (PROFICIENT)

Credit 1 unit

Recommended Prerequisites Technical Theatre Arts (Intermediate) and/or demonstrated ability

Note: *This course may be repeated for credit.*

This advanced level course is designed for the student who has significant experience in technical theatre work and who can assume major production responsibilities. The student is expected to take a leadership role in the technical aspects of productions including scenery, costumes, makeup, lighting, sound, and props. Attendance at after-school rehearsals and all performances is required.

53645X0A * HONORS TECHNICAL THEATRE (ADVANCED)

Credit 1 unit

Prerequisites Honors Technical Theatre (Proficient) and/or demonstrated ability

Note: *This course may be repeated for credit.*

Honors Technical Theatre (Advanced) is the highest level technical theater course which concentrates on in-depth research, analysis, reflection, application, production, and performance. This course requires students to assume major production responsibilities and to work with independence and initiative. Leadership roles are a significant part of this course. Attendance at after-school rehearsals and all performances is required.

CAREER TECHNICAL AND EDUCATION

The mission of Career and Technical Education (CTE) is to help empower students to be successful citizens, workers, and leaders in a global economy. CTE programs are designed to contribute to the broad educational achievement of students, including basic skills, as well as their ability to work independently and as part of a team, think creatively and solve problems, and utilize technology in the thinking and problem-solving process. The Career and Technical Education curriculum promotes best practices, integration of common core standards in language arts, mathematics and 21st century technology skills.

CTE CAREER AND COLLEGE PROMISE

Career and College Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and to many of the state's independent colleges and universities. Students should work with their school's CTE Career Development Coordinator to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

In today's global economy, successful careers could require a two or four-year degree or a nationally recognized job credential. Career & College Promise offers North Carolina high school age students a clear, focused and affordable path to future success. The program is tuition free to all students who maintain a "B" average and meet other eligibility requirements.

CAREER AND TECHNICAL EDUCATION PATHWAYS

As a junior or senior in a career cluster program during high school, this pathway will give students the opportunity to enroll in a Community College Certificate Program that aligns with career cluster concentrations. For additional information see your school counselor or visit <http://cfcc.edu/ccp/career-and-technical-education-pathways/>

NEW HANOVER COUNTY SCHOOLS & CAPE FEAR COMMUNITY COLLEGE COURSE ARTICULATION

High School students can receive High School and Community College credit for select Career and Technical Education (CTE) courses. To receive articulated credit, students must: maintain a B or higher in select CTE High School courses and receive a scaled score of 93 or higher on the Career and Technical Education end-of-course assessment.

To receive articulated credit, students must enroll at the Community College within two years of their High School graduation date. For more information, please see the course list by visiting: <http://www.ncperkins.org/course/view.php?id=4%20>

CAREER AND TECHNICAL EDUCATION LOCAL VIRTUAL COURSE OFFERINGS

Beginning with the 2018-19 academic year students will have the opportunity to enroll in locally taught CTE Virtual courses. Local virtual courses are designated as (NHCS-Virtual).

CAREER CLUSTERS

Career and Technical Education (CTE) provides engaging curriculum to students in grades 9-12. There are 16 career clusters that are recognized nationally. The CTE courses in each of the 16 Career Clusters are listed in the charts below. Students should review the cluster charts and select the cluster and/or courses which interest them most. The course sequence as listed, will allow for the students to complete a four course concentration.

CTE CONCENTRATORS

Students who enroll in CTE courses earn a concentration for graduation and for federal reporting purposes in Career and Technical Education.

Concentrator : a student who has successfully completed a Concentrator course in an approved Career Pathway.
Concentrator Course: a second or third-level course in the Career Pathway that builds upon technical skills acquired in the prerequisite course.

CLUSTER TERMINOLOGY

Career Clusters: are groupings of occupations used as an organizing tool for curriculum design and instruction. The Career Cluster approach makes it easier for students to understand the relevance of their required courses and helps them select their elective courses more wisely. There are 16 clusters, however all clusters are not offered in our LEA.

Foundational Prerequisite: Provide fundamental knowledge and skills needed for student success in secondary and postsecondary education and careers in the Career Cluster. All pathways do not contain foundational prerequisites.

Prerequisite: Concentrator Course: Second or third level course in the Career Pathway that builds upon technical skills acquired in the prerequisite course.

Career Pathway Major: course that provides aligned specificity in a Career Pathway and can include advanced studies, work-based learning or a course with aligned content

NC CAREER PATHWAYS BY CLUSTER

Agriculture, Food and Natural Resources			
 Agriculture, Food & Natural Resources	The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, and other plant and animal products/resources.		
	FOUNDATIONAL PREREQUISITE	PREREQUISITE	CAREER PATHWAY MAJOR
FOOD PRODUCTS & PROCESSING PATHWAY	FN41 Food and Nutrition I	FN43 Food Science and Technology	CS95 CTE Advanced Studies OR CS97 CTE Internship
PLANT SYSTEMS PATHWAY	AP41 Horticulture I	AP42 Horticulture II OR AP44 Horticulture II – Landscaping	CS95 CTE Advanced Studies OR CS97 CTE Internship

Architecture and Construction



Careers in designing, planning, managing, building and maintaining the built environment.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
CARPENTRY PATHWAY IC00 Construction Core	IC21 Carpentry I	IC22 Carpentry II	IC23 Carpentry III OR CS97 CTE Internship
DRAFTING ARCHITECTURAL PATHWAY	IC61 Drafting I	IC62 Drafting II – Architectural	IC63 Drafting III – Architectural OR CS97 CTE Internship
INTERIOR DESIGN PATHWAY	F151 Interior Design I	F152 Interior Design II OR F153 Interior Digital Applications	CS95 CTE Advanced Studies OR CS97 CTE Internship

Arts, Audio/Video Technology and Communications



Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
ADOBE ACADEMY PATHWAY	II31 Adobe Visual Design	II32 Adobe Digital Design OR II33 Adobe Video Design	CS95 CTE Advanced Studies OR CS97 CTE Internship
APPAREL & TEXTILE PRODUCTION PATHWAY	FA31 Apparel and Textile Production I	FA32 Apparel and Textile Production II	CS95 CTE Advanced Studies OR CS97 CTE Internship
DIGITAL DESIGN & ANIMATION PATHWAY	TS24 Digital Design and Animation I	TS25 Digital Design and Animation II	CS95 CTE Advanced Studies OR CS97 CTE Internship
GAME ART DESIGN PATHWAY	TS24 Digital Design and Animation I	TS31 Game Art Design	TS32 Advanced Game Design OR CS95 CTE Advanced Studies OR CS97 CTE Internship

Business Management and Administration



Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
ENTREPRENEURSHIP PATHWAY	ME11 Entrepreneurship I	ME12 Entrepreneurship II	CS95 CTE Advanced Studies OR CS97 CTE Internship
GENERAL MANAGEMENT PATHWAY BF10 Principles of Business and Finance	BB40 Business Management I	BB42 Business Management II	CS95 CTE Advanced Studies OR CS97 CTE Internship
PROJECT MANAGEMENT PATHWAY	CS11 Project Management I	CS12 Project Management II	CS95 CTE Advanced Studies OR CS97 CTE Internship

Finance



Planning, services for financial and investment planning, banking, insurance, and business financial management.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
ACCOUNTING PATHWAY	BA10 Accounting I	BA20 Accounting II	CS95 CTE Advanced Studies OR CS97 CTE Internship
FINANCIAL SECURITIES & INVESTMENTS PATHWAY BF10 Principles of Business	BF21 Wealth Building	BF22 Wealth Management	CS95 CTE Advanced Studies OR CS97 CTE Internship

Health Science



Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
BIOMEDICAL TECHNOLOGY PATHWAY	HU40 Health Science I	HB11 Biomedical Technology	CS95 CTE Advanced Studies OR CS97 CTE Internship
HEALTHCARE PROFESSIONAL PATHWAY	HU40 Health Science I	HU42 Health Science II	CS95 CTE Advanced Studies OR CS97 CTE Internship

Hospitality & Tourism



Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
CULINARY ARTS APPLICATIONS PATHWAY FH10 Culinary Arts & Hospitality I	FH11 Culinary Arts & Hospitality II Applications	FH13 Culinary Arts & Hospitality III	CS96 CTE Apprenticeship OR CS97 CTE Internship
CULINARY ARTS INTERNSHIP PATHWAY FH10 Culinary Arts & Hospitality I	FH12 Culinary Arts & Hospitality II Internship	FH13 Culinary Arts & Hospitality III	FH15 Culinary Arts & Hospitality IV Internship OR CS96 CTE Apprenticeship OR CS97 CTE Internship
SPORTS & ENTERTAINMENT MARKETING PATHWAY	MH31 Sports & Entertainment Marketing I	MH32 Sports & Entertainment Marketing II	CS96 CTE Apprenticeship OR CS97 CTE Internship
TRAVEL & TOURISM PATHWAY	MH31 Sports & Entertainment Marketing I OR MM51 Marketing OR BF10 Principles of Business	MH42 Hospitality and Tourism	CS96 CTE Apprenticeship OR CS97 CTE Internship

Human Services



Preparing individuals for employment in career pathways that relate to families and human needs.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
EARLY CHILDHOOD DEVELOPMENT & SERVICES PATHWAY	FE60 Child Development	FE11 Early Childhood Education I (2 credit course)	FE12 Early Childhood Education II (2 credit course)
FOOD AND NUTRITION PATHWAY	FN41 Food and Nutrition I	FN42 Food and Nutrition II	FN43 Food Science and Technology OR CS96 CTE Apprenticeship OR CS97 CTE Internship

Information Technology



Building Linkages in IT Occupations Framework: For entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
CISCO NETWORK ENGINEERING PATHWAY	II11 Cisco Network Engineering Technology I	II12 Cisco Network Engineering Technology II	CS96 CTE Apprenticeship OR CS97 CTE Internship
COMPUTER ENGINEERING PATHWAY BI12 CompTIA IT Fundamentals	II21 Computer Engineering Technology I	II22 Computer Engineering Technology II	CS96 CTE Apprenticeship OR CS97 CTE Internship
COMPUTER SCIENCE PRINCIPLES PATHWAY	BP41 Computer Science I	BP42 Computer Science II	2A02 AP Computer Science OR CS96 CTE Apprenticeship OR CS97 CTE Internship
AP COMPUTER SCIENCE PATHWAY	0A02 AP Computer Science Principles	2A02 AP Computer Science	CS96 CTE Apprenticeship OR CS97 CTE Internship

Law, Public Safety, Corrections & Security



Law, Public Safety, Corrections & Security

The Law, Public Safety, Corrections and Security career cluster helps prepare students for careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
EMERGENCY MEDICAL TECHNOLOGY PATHWAY	IP21 Emergency Medical Technology I	IP22 Emergency Medical Technology II	CS96 CTE Apprenticeship OR CS97 CTE Internship
PUBLIC SAFETY PATHWAY	IP11 Public Safety I	IP12 Public Safety II	CS96 CTE Apprenticeship OR CS97 CTE Internship

Marketing			
 Marketing Planning, managing, and performing marketing activities to reach organizational objectives.			
FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
MARKETING MANAGEMENT PATHWAY	MM51 Marketing	MA52 Marketing Applications	CS96 CTE Apprenticeship OR CS97 CTE Internship

Science, Technology, Engineering and Mathematics			
 Science, Technology, Engineering & Mathematics Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.			
FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
DRAFTING ENGINEERING PATHWAY	IC61 Drafting I	IV22 Drafting II – Engineering	IV23 Drafting III – Engineering OR CS95 CTE Advanced Studies OR CS97 CTE Internship
TECHNOLOGY, ENGINEERING AND DESIGN PATHWAY	TE11 Technology Engineering & Design	TE12 Technological Design OR TE13 Engineering Design	CS96 CTE Apprenticeship OR CS97 CTE Internship
PLTW ENGINEERING PATHWAY	TP11 PLTW Introduction to Engineering Design OR TP12 PLTW Principles of Engineering	TP21 PLTW Digital Electronics OR TP22 PLTW Computer Integrated Manufacturing OR TP23 PLTW Civil Engineering & Architecture OR TP25 PLTW Aerospace Engineering OR TP27 PLTW Environmental Sustainability	TP21 PLTW Digital Electronics OR TP22 PLTW Computer Integrated Manufacturing OR TP23 PLTW Civil Engineering & Architecture OR TP25 PLTW Aerospace Engineering OR TP27 PLTW Environmental Sustainability

Transportation, Distribution & Logistics



Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management.

FOUNDATIONAL PREREQUISITE	PREREQUISITE	CONCENTRATOR	CAREER PATHWAY MAJOR
AUTOMOTIVE SERVICES PATHWAY IT11 Automotive Service Fundamentals	IT16 Automotive Service I	IT17 Automotive Service II	IT18 Automotive Service III OR CS95 CTE Advanced Studies OR CS97 CTE Internship
DRONE TECHNOLOGY PATHWAY	ID11 Drone Technology I	ID12 Drone Technology II	CS95 CTE Advanced Studies OR CS97 CTE Internship

CAREER AND TECHNICAL EDUCATION ACADEMIES



The National Academy Foundation (NAF) is a non-profit organization established in 1989 and serves as a portal for America's youth's advancement toward personal and professional success in high school, in higher education, and throughout their careers. NAF academies function as dynamic partnerships and collaborations between schools, teachers, administrators, business volunteers, and an active Advisory Board led by industry professionals.

ACADEMY OF FINANCE:

Mosley Career Readiness Academy

This NAF career academy prepares students for postsecondary education and career opportunities in the Financial Services and Business, Marketing & Management professions. The career academy provides a concentrated study of the financial services industry with specialized courses in finance, economics, taxation, budgeting, labor management relations, and international trade. The Academy of Finance was developed in collaboration with the National Academy Foundation (NAF).

ACADEMY OF INFORMATION TECHNOLOGY:

Hoggard High School

Prepares students for careers in programming, database administration, web design and management, digital networks, and other areas in the expanding digital workplace.

CAREER AND TECHNICAL EDUCATION COURSES

AGRICULTURAL EDUCATION	
CERTIFICATIONS AND CREDENTIALING	CAREER AND TECHNICAL STUDENT ORGANIZATION
Currently there are eleven credentials and certifications that are obtainable through agricultural education instruction	Future Farmers of America (FFA) is a national organization of Agricultural Education students. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. North Carolina FFA Web Site: www.ncffa.org

AP412X0A * HORTICULTURE I (JTH)

Credit 1 unit Grades: 9, 10, 11

Prerequisite None

Note: *Currently offered at John T. Hoggard High School - (Course open for district enrollment /transportation provided)*

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced.

AP422X0A * HORTICULTURE II (JTH)

Credit 1 unit Grades 10,11, 12

Prerequisites Horticulture I

Note: *Currently offered at John T. Hoggard High School - (Course open for district enrollment/transportation provided)*

This course covers instruction that expands scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf grass management, and personal development. English language arts, mathematics, and science are reinforced.

AP442X0A * HORTICULTURE II-LANDSCAPING (JTH)

Credit 1 unit Grades 10, 11, 12

Prerequisite Horticulture I

Note: *Currently offered at John T. Hoggard High School - (Course open for district enrollment/transportation provided)*

This course provides hands-on instruction and emphasizes safety skills needed by landscape technicians in the field. Students are instructed in interpreting landscape designs, identifying landscape plants, and planting/maintaining trees, shrubs, and turf. Landscape construction is emphasized in the areas of grading and drainage, irrigation, paver installation, and the use/maintenance of landscape equipment. Current topics discussions provide students an understanding of careers and the employability skills needed to enter the landscape industry. English language arts, mathematics, and science are reinforced.

CS972X0A * CTE INTERNSHIP

Credit 1 unit Grades 10,11,12

Prerequisite None

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

BUSINESS, FINANCE AND MARKETING EDUCATION

CERTIFICATIONS AND CREDENTIALING	CAREER AND TECHNICAL STUDENT ORGANIZATION
<p>Business, Finance, and Information Technology Education courses provide multiple opportunities to obtain industry credentials, which is one measure of accountability for this goal. Students may earn a variety of industry credentials ranging from Financial Literacy certifications, CISCO Certified Entry Networking Technician, CompTIA A+, Microsoft Office Specialist to Microsoft Technology Associate.</p> <p>Marketing and Entrepreneurship Education courses provide students multiple opportunities to obtain industry certifications.</p>	<p>Future Business Leaders of America (FBLA) is an integral part of North Carolina's Business, Finance, and Information Technology Education program. The experiences that FBLA members receive are directly related to their classroom instruction. Participation in FBLA provides students with the critical soft-skill development that is essential for the 21st century employee. Members are provided with the opportunity to compete with other FBLA members across the nation. North Carolina FBLA Web Site: http://ncfbla.org</p> <p>DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality, and management. It provides students with leadership opportunities at the local, state, and national levels. Members may seek elected office or serve in positions of committee leadership. Students gain valuable hands-on, authentic leadership skills by being active in the student-led student organization. For more information visit: State DECA website www.ncdeca.org</p>

BA102X0A * ACCOUNTING I

Credit 1 unit Grades 10, 11, 12

Prerequisites None

This course is designed to help students understand the basic principles of the accounting cycle. Emphasis is placed on the analysis and recording of business transactions, preparation, and interpretation of financial statements, accounting systems, banking and payroll activities, basic types of business ownership, and an accounting career orientation. Mathematics is reinforced and entrepreneurial experiences encouraged.

BA205X0A * ACCOUNTING II (*Inherently Honors*)

Credit 1 unit Grades 10,11,12

Prerequisite Accounting I

This course is designed to provide students with an opportunity to develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Emphasis includes departmental accounting, corporate accounting, cost accounting, and inventory control systems, managerial accounting and budgeting, and further enhancement of accounting skills. Mathematics is reinforced and entrepreneurial experiences are encouraged.

CN172X0A * AOF APPLIED FINANCE (CRA)

Credit 1 unit Grades 9,10, 11, 12

Prerequisites None

Applied Finance delves into the financial concepts introduced in Principles of Finance. Students learn to identify the legal forms of business organization and continue to develop an understanding of profit. They learn about various financial analysis strategies and the methods by which businesses raise capital. Students also have the chance to explore, in depth, topics of high interest in the field of finance, and explore the types of careers that exist in finance today.

CN202X0 * AOF PROFESSIONAL ETHICS (CRA)

Credit 1 unit Grades 9,10, 11, 12

Prerequisites None

This course provides a solid understanding of why ethics is important in every profession. After an introduction to several philosophies that inform ethics today, students explore the characteristics of an ethical professional. Students consider the range of dilemmas faced by managers and employees in the workplace. They learn about the qualities of effective leaders and the tools modern professionals use to instill an ethical workplace culture. Throughout the course, students have opportunities to refine their personal sense of ethics as they begin to build an ethical foundation for their professional future.

BB302X0A * BUSINESS LAW

Credit 1 unit Grades 10, 11, 12

Prerequisite None

This course is designed to acquaint students with the basic legal principles common to all aspects of business and personal law. Business topics include contract law, business ownership including intellectual property, financial law, and national and international laws. Personal topics include marriage and divorce law, purchasing appropriate insurance, renting and owning real estate, employment law, and consumer protection laws. Social studies and English language arts are reinforced.

BB402X0A * BUSINESS MANAGEMENT

Credit 1 unit Grades 9, 10, 11

Prerequisite Principles of Business and Finance

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

BB422X0A * BUSINESS MANAGEMENT II

Credit 1 unit Grades 10,11, 12

Prerequisite Business Management I

This course is designed to enable students to acquire, understand, and appreciate the significance of management to business organizations. Understanding of how managers control financial resources, inventory, ensure employee safety, and protect customer data enhances the effectiveness of their decision making. Students will work through ethical dilemmas, practice problem solving, and enhance their teamwork skills. English language arts and mathematics are reinforced.

BF21 * WEALTH BUILDING

Credit 1 unit Grades 10,11, 12

Prerequisite BF05 Principles of Business

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

BF22 * WEALTH MANAGEMENT

Credit 1 unit Grades 10,11, 12

Prerequisite BF20 Wealth Building

Students will further develop the fundamental knowledge and skills acquired in Wealth Building to create a business financial plan; including loans, insurance, taxes, corporate governance, and explore the various risks and returns associated with business activities. Emphasis will be placed on analyzing ethical situations in various aspects of finance in local, national and global business environments. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic, team-building and critical-thinking skills. Concepts will be reinforced through use of guest speakers, job shadow opportunities, and field trips.

BF102X0A * PRINCIPLES OF BUSINESS AND FINANCE

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

**NHCS CTE Virtual Option*

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. English language arts, social studies, and mathematics are reinforced.

ME112X0A * ENTREPRENEURSHIP I

Credit 1 unit Grades 9,10,11,12

Prerequisite None

In this course, students evaluate the concepts of going into business for themselves and working for or operating 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.

ME125X0A * ENTREPRENEURSHIP II (*Inherently Honors*)

Credit 1 unit Grades 10,11,12

Prerequisite Entrepreneurship I

In this course, students develop an understanding of pertinent decisions to be made after obtaining financing to open a small business. Students acquire in-depth understanding of business regulations, risks, management, and marketing. Students develop a small-business handbook. English language arts and social studies are reinforced

MH422X0A * HOSPITALITY AND TOURISM

Credit 1 unit Grades 11, 12

Prerequisite Marketing or Principles of Business and Finance or Sports and Entertainment Marketing I

In this course, students acquire understanding of the economic impact and marketing strategies for hospitality and tourism destinations. Emphasis is on destination complexity, customer relations, economics, legal and ethical responsibilities, safety and security, and tourism promotion. English, language arts, mathematics, social studies and technology are reinforced.

MM512X0A * MARKETING

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations. Mathematics and Social Studies reinforced.

MM515X0A * HONORS MARKETING

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and impact on business operations. Mathematics and Social Studies reinforced.

MA52 * MARKETING APPLICATIONS

Credit 1 unit Grades 10, 11, 12

Prerequisite MM51 Marketing OR MI21 Fashion Merchandising

In this course students will apply an understanding of marketing functions and impact of the functions on business decisions. Through problem solving and critical thinking, students will apply knowledge and skills in the areas of customer relations, economics, financial analysis, channel management, marketing-information management, marketing planning, products and services management, and selling. Relative opportunities are available for students to use technology to acquire and use marketing information. 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) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

CS112X0 * PROJECT MANAGEMENT I

Credit 1 unit Grades 9,10,11,12

Prerequisite None

This course will introduce students to the principles, concepts, and software applications used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The core concepts of scope, time, cost, and integration will be examined during this course.

CS112X0 * PROJECT MANAGEMENT II

Credit 1 unit Grades 10,11,12

Prerequisite Project Management I

This project-based course focuses on the use of information technology to increase the effectiveness and efficiency of project management and integrated enterprise. Students will learn operational strategies for managing advanced technology and innovation as well as how to map the high technology operations environment to business settings. Art, English language arts, and mathematics are reinforced.

MH312X0A * SPORTS AND ENTERTAINMENT MARKETING I

Credit 1 unit Grades 9,10,11,12

Prerequisite None

In this course, students are introduced to the industry of sports, entertainment, and event marketing. Students acquire transferable knowledge and skills among related industries for planning sports, entertainment, and event marketing. Topics included are branding, licensing, and naming rights; business foundations; concessions and on-site merchandising; economic foundations; human relations; and safety and security. Mathematics and Social Studies are reinforced.

MH325X0A * SPORTS AND ENTERTAINMENT MARKETING II *(Inherently Honors)*

Credit 1 unit Grades 10, 11, 12

Prerequisite Sports and Entertainment Marketing I

In this course, students acquire an understanding of selling, promotion, and marketing planning of sports, entertainment, and event marketing. Emphasis is on business management, career development, client relations, contracts, ethics, event management, facilities management, legal issues, and sponsorships. English/language arts, mathematics and social studies are reinforced.

CS972X0A * CTE INTERNSHIP

Credit 1 unit Grades 10,11,12

Prerequisite None

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Course Number Varies: * **CTE Career and College Promise**

Credit 1 unit Grades: (9-12 Early College/CIHS Sites, 11-12 Traditional Sites)

Prerequisite: None

Career and College Promise provides a way for any North Carolina high school student in good academic standing who meets eligibility requirements to take community college courses while still in high school. Students can combine high school and postsecondary courses to earn a credential, certificate, or diploma in a technical field and meet requirements for CTE concentration. Credit may be transferrable to another North Carolina community college, to UNC System institutions, and to many of the state's independent colleges and universities. Students should work with their school counselor to determine what CTE pathways are available at their local community college or in what other ways they can access this program.

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY EDUCATION

CERTIFICATIONS AND CREDENTIALING	CAREER AND TECHNICAL STUDENT ORGANIZATION
Business, Finance, and Information Technology Education courses provide multiple opportunities to obtain industry credentials, which is one measure of accountability for this goal. Students may earn a variety of industry credentials ranging from Financial Literacy certifications, CISCO Certified Entry Networking Technician, CompTIA A+, Microsoft Office Specialist to Microsoft Technology Associate.	Future Business Leaders of America (FBLA) is an integral part of North Carolina's Business, Finance, and Information Technology Education program. The experiences that FBLA members receive are directly related to their classroom instruction. Participation in FBLA provides students with the critical soft-skill development that is essential for the 21st century employee. Members are provided with the opportunity to compete with other FBLA members across the nation. North Carolina FBLA Web Site: http://ncfbla.org

BI122X0A* CompTIA IT FUNDAMENTALS

Credit 1 unit Grades 9, 10,11

Prerequisite None

This course is designed for students to develop knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals, and security. The course is also designed for students to develop the ability to demonstrate knowledge and skills to install software, establish basic network connectivity, identify or prevent basic security risks, explain troubleshooting theory, and provide preventative maintenance for devices

BP412X00 * COMPUTER SCIENCE I

Credit 1 unit Grades 9,10

Prerequisite None

Computer Science I is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages. Students will focus on the "big CS ideas" in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. The big ideas in CSP include computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Art, English language arts, and mathematical concepts are reinforced .

BP422X00 * COMPUTER SCIENCE II (**NHCS CTE Virtual option*)

Credit 1 unit Grades 11, 12

Prerequisite Computer Science I

This is a second level introductory course in computer science (based on The Beauty and Joy of Computing) builds on the foundation of Computer Science Principles I. This course offers a more in depth examination of the "big CS ideas" including a broad range of foundational topics such as programming, algorithms, the internet, big data, digital privacy and security, and the societal impacts of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Students will extend their programming skills to include more complex constructs including objects and data abstraction. As an option, performance tasks may be included to obtain AP credit.

II212X0A * COMPUTER ENGINEERING TECHNOLOGY I

Credit 1 unit Grades 10, 11, 12

Prerequisite None

District-Recognized Credential CompTIA A+ Certification 220-901*

This course includes basic computer hardware, software, applications, troubleshooting, and customer service as integral parts of the course requirements. English/Language Arts, Mathematics, and Science aligned with the Common Core Essential Standards are reinforced. Work-based learning strategies appropriate for this course include internship, and job shadowing. This course helps prepare students for the CompTIA A+ credential. For optimum A+ credential preparation it is recommended that students take this course and Computer Engineering Technology II in the same school year.

II225X0A * COMPUTER ENGINEERING TECHNOLOGY II (*Inherently Honors*)

Credit 1 unit Grades 10,11,12

Prerequisite Computer Engineering Technology I

District-Recognized Credential CompTIA A+ Certification 220-902*

In this course students learn the essential operating systems competencies for an entry-level PC service technician. It includes objectives in the following five domains, a)Windows operating system, b) Other operating systems and technologies c) Security, d)Software troubleshooting, e)Operational procedures. English/Language Arts, Mathematics, and Science are reinforced.

II115X0A * CISCO NETWORKING ENGINEERING TECHNOLOGY I (*Inherently Honors*)

Credit 1 unit Grades 9,10,11

Prerequisite None

This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course uses the Cisco Introduction to Networks curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced.

II125X0A * CISCO NETWORK ENGINEERING TECHNOLOGY II (*Inherently Honors*)

Credit 1 unit Grades 11, 12

Prerequisite CISCO Networking Engineering Technology I

District-Recognized Credential CISCO CCENT

This course describes the architecture, components, and operations for routers and switch for basic functionality. By the end of this course students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. This course uses the Cisco Routing & Switching Essentials curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced.

CS972X0A * CTE INTERNSHIP

Credit 1 unit Grades 10,11,12

Prerequisite None

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

FAMILY AND CONSUMER SCIENCE	
CERTIFICATIONS AND CREDENTIALING	CAREER AND TECHNICAL STUDENT ORGANIZATION
Family and Consumer Sciences Education provides credentialing opportunities for students to demonstrate to employers, post-secondary institutions, and administrators the knowledge and skills they have gained in their Family and Consumer Sciences programs. Earning industry-recognized certifications, validates a students' skill set giving them an extra advantage for both college and careers.	Family, Career and Community Leaders of America (FCCLA) is a national Career and Technical Student Organization that provides personal growth, leadership development, and career preparation opportunities for students in Family and Consumer Sciences education. For more information visit: National: http://www.fcclainc.org/

FA312X0A * APPAREL AND TEXTILE PRODUCTION I

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

Note: For safety reasons, enrollment is not to exceed 20.

In this course students are introduced to clothing production in the area of design, textiles and apparel engineering. Emphasis is placed on students applying these design and engineering skills to create and produce apparel products. Art, literacy, mathematics, and science are reinforced.

FA322X0A * APPAREL AND TEXTILE PRODUCTION II

Credit 1 unit Grades 10, 11, 12

Prerequisite Apparel and Textile Production I

Note: For safety reasons, enrollment is not to exceed 20.

Students in this course will gain a deeper understanding of design principles, engineering, fabrication and global needs of an every-changing apparel and textile industry. The course provides a major focus on textile design, textile science, product construction, global manufacturing, and the apparel/textile market while incorporating and scaffolding, prerequisite concepts. Emphasis is placed on application of design and engineering skills used to create, produce, and prepare a product for market. Students will also gain the entrepreneurial skills, necessary for successful marketing and distribution of an apparel product. Art, literacy, mathematics, science, and social studies are reinforced throughout.

FA325X0A * HONORS APPAREL AND TEXTILE PRODUCTION II

Credit 1 unit Grades 10, 11, 12

Prerequisite Apparel and Textile Production I

Note: For safety and equipment purposes, enrollment is not to exceed 20.

Students in this course will gain a deeper understanding of design principles, engineering, fabrication and global needs of an every-changing apparel and textile industry. The course provides a major focus on textile design, textile science, product construction, global manufacturing, and the apparel/textile market while incorporating and scaffolding, prerequisite concepts. Emphasis is placed on application of design and engineering skills used to create, produce, and prepare a product for market. Students will also gain the entrepreneurial skills, necessary for successful marketing and distribution of an apparel product. Art, literacy, mathematics, science, and social studies are reinforced throughout.

FH10 * CULINARY ARTS AND HOSPITALITY I

Credit 1 unit Grades 10, 11

Prerequisite Introduction to Culinary Arts and Hospitality

District-Recognized Credential ServSafe® Food Protection Managers Certification

Note: For Safety and equipment purposes, enrollment is not to exceed 20.

This course is designed to introduce students to the hospitality and food service industry by learning about components of professional practice and building basic knowledge and skills in food preparation, garde manger, baking, and food service operations. The introduction includes students learning food safety, breakfast cookery, salads and sandwiches, quick breads and cookies, and dining room service. Art, English language arts, mathematics, science, and social studies are reinforced.

FH11 * CULINARY ARTS AND HOSPITALITY II APPLICATIONS

Credit 2 units Grades 11, 12

Prerequisite Culinary Arts and Hospitality I

District-Recognized Credential ServSafe® Food Protection Managers Certification

Note: For Safety and equipment purposes, enrollment is not to exceed 20.

This course is designed for students to demonstrate their knowledge and skills in basic food preparation, garde manger, baking and food service operations by planning and executing the program's school-based enterprise. The experience includes students preparing and selling breakfast items, salads and sandwiches, and quick breads and cookies while applying safety, sanitation, and guest service skills. Arts, English and language arts, mathematics, science, social studies, and are reinforced.

FH12 * CULINARY ARTS AND HOSPITALITY II INTERNSHIP

Credit 2 units Grades 11, 12

Prerequisite Culinary Arts and Hospitality I

Note: For Safety and equipment purposes, enrollment is not to exceed 20.

This course is designed for students to demonstrate their knowledge and skills in basic food preparation, garde manger, baking and food service operations through mentored work experiences in the food service industry. The experience includes students preparing and selling breakfast items, salads and sandwiches, and quick breads and cookies while applying safety, sanitation, and guest service skills. Arts, English and language arts, mathematics, science, and social studies are reinforced.

FH13 * CULINARY ARTS AND HOSPITALITY III

Credit 2 units Grades 11, 12

Prerequisite Culinary Arts and Hospitality II Applications or Culinary Arts & Hospitality II

District-Recognized Credential ServSafe® Food Protection Managers Certification

Note: For Safety and equipment purposes, enrollment is not to exceed 20.

The course is designed for students to further develop their knowledge and skills through learning about advanced food preparation, garde manger, baking and pastry, and food service operations. The experience includes students learning cooking techniques, food preservation, yeast breads and pastries preparation, human relations management, menu planning, and food service purchasing and receiving. Arts, English and language arts, mathematics, science, and social studies are reinforced.

FE602X0A * CHILD DEVELOPMENT

Credit 1 unit Grades 9, 10, 11

Prerequisite None

Note: For safety and equipment purposes, enrollment is not to exceed 25.

This course introduces students to responsible nurturing and basic applications of child development theory with children from infancy through age six. Areas of study include parenthood decisions, child care issues, prenatal development and care, and development and care of infants, toddlers, and children three through six. Emphasis is on responsibilities of parents, readiness for parenting, and the influence parents have on children while providing care and guidance. Art, English language Arts, and science are reinforced.

FE112X0C * EARLY CHILDHOOD EDUCATION I

Credit 2 units Grades 10, 11

Prerequisite: Child Development (Students must be 16 prior to October 1)

District-Recognized Credential CPR, First Aid

Note: Parenting and Child Development recommended as a prerequisite. For safety reasons and number of interns placed, enrollment should not exceed 20 in this course.

This two-credit course prepares students to work with children in early education and child care settings. Areas of study include personal and professional preparation, child development from birth to age 12, techniques and procedures for working with young children, and history, trends and opportunities in this field. An internship makes up 50 percent of instructional time. Due to student participation internships at early childhood centers that meet NC Child Care General Statute 110-91 Section 8, students must be 16 years of age prior to October 1 to enroll in this course.

http://www.ncga.state.nc.us/EnactedLegislation/Statutes/HTML/BySection/Chapter_110/GS_110-91.html

FE125X0C * EARLY CHILDHOOD EDUCATION II (Inherently Honors)

Credit 2 units Grades 11, 12

Prerequisite Early Childhood Education I

Note: Students must be 16 prior to October 1. For safety reasons and number of interns placed, enrollment should not exceed 20 in this course.

District-Recognized Credential CPR, First Aid, North Carolina Early Childhood Credential Equivalency

This two-credit course provides advanced experiences in working with children from infancy to age 12 in early education and child care settings. Areas of study include program planning and management, developmentally appropriate practice, procedures and strategies for working with special groups of children, career development and professionalism. An internship makes up 50 percent of instructional time. Due to student participation internships at early childhood centers that meet NC Child Care General Statute 110-91 Section 8, students must be 16 years of age prior to October 1 to enroll in this course.

http://www.ncga.state.nc.us/EnactedLegislation/Statutes/HTML/BySection/Chapter_110/GS_110-91.html

FN412X0A * FOODS AND NUTRITION I

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite FC11 Principles of Family and Human Services recommended

District-Recognized Credential ANSI-Accredited Food Handler Certificate

This course examines the nutritional needs of the individual. Students learn fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced.

Note: For Safety and equipment purposes, enrollment is not to exceed 20.

FN422X0A * FOODS AND NUTRITION II

Credit: 1 unit Grades 10, 11, 12

Prerequisite: FN41 Foods and Nutrition I OR FH21 Culinary Arts and Hospitality I

District-Recognized Credential ANSI-Accredited Certified Food Protection Manager

Note: *For Safety and equipment purposes, enrollment is not to exceed 20.*

In this course, students experience the cross-section of nutrition science and food preparation while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students come to understand food protection, nutrients, lifespan nutrition, sports nutrition, medical nutrition therapy, American and global foodways, and entrepreneurship. English language arts, social studies, mathematics, and science are reinforced.

FN425X0A * HONORS FOODS AND NUTRITION II

Credit: 1 unit Grades 10, 11, 12

Prerequisite: FN41 Foods and Nutrition I OR FH21 Culinary Arts and Hospitality I

District-Recognized Credential ANSI-Accredited Certified Food Protection Manager

Note: *For Safety and equipment purposes, enrollment is not to exceed 20.*

In this course, students experience the cross-section of nutrition science and food preparation while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students come to understand food protection, nutrients, lifespan nutrition, sports nutrition, medical nutrition therapy, American and global foodways, and entrepreneurship. English language arts, social studies, mathematics, and science are reinforced.

FN435X0A * FOODS SCIENCE AND TECHNOLOGY (Inherently Honors)

Prerequisite: FN41 Foods and Nutrition I or FH21 Culinary Arts and Hospitality I and Environmental Science or Physical Science or Biology or Chemistry

This course explores the food industry from the farm to the table using skills in food science, technology, engineering, and mathematics. Government regulations, emerging trends, biotechnology, and technological career opportunities from scientists to technicians will be presented. The student examines production, processing, preparation, preservation, and packaging principles along the farm to table continuum. The student begins to understand how food technology affects the food that he/she eats. English language arts, science, and social studies are reinforced.

FI512X0A * INTERIOR DESIGN I (NHHS)

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite FC11 Principles of Family and Human Services recommended

Note: *For safety and equipment purposes, enrollment is not to exceed 25.*

This course engages students in exploring various interior design professions, while building the content knowledge and technical skills necessary to provide a foundational knowledge of the design industry. Emphasis is placed on the interior design process; human, environmental and behavioral factors; color theory, elements and principles of design; hand sketching/digital design techniques, space planning, selection of products and materials for residential interiors; client relationship building and design communication techniques. English/language arts, mathematics, science, art, and technology are reinforced.

FI512X0A * INTERIOR DESIGN II (NHHS)

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite Interior Design I

Note: For safety and equipment purposes, enrollment is not to exceed 25.

This course prepares students for entry-level and technical work opportunities in the residential and non-residential interior design fields. Students deepen their understanding of design fundamentals and theory by designing interior plans to meet living space needs of specific individuals or families. Topics include application of design theory to interior plans and production, selection of materials, and examination of business procedures. Art and mathematics are reinforced.

FC112X0A * PRINCIPLES OF FAMILY AND HUMAN SERVICES

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None.

Students learn life literacy skills and individual, family, and community systems in the context of the human services field. Emphasis is placed on human development, professional skills, diversity, analyzing community issues, and life management. Activities engage students in exploring various helping professions, while building essential life skills they can apply in their own lives to achieve optimal wellbeing. English/language arts, socials studies, mathematics, science, technology, and interpersonal relationships are reinforced.

CS972X0A * CTE INTERNSHIP

Credit 1 unit Grades 10,11,12

Prerequisite None

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

HEALTH SCIENCE**CERTIFICATIONS AND CREDENTIALING**

Health Science Education courses provide students opportunities to obtain industry certifications. Students may prepare to earn certifications in Nurse Aide I and Pharmacy Technician.

CAREER AND TECHNICAL STUDENT ORGANIZATION

HOSA is organized on local, state, and national levels. Health Science teachers, advisors, and advisory councils guide local chapters. State advisors and committee members coordinate chapter activities for the national organization. HOSA provides a unique program of leadership development, motivation, and recognition.

For more information visit: State HOSA website www.nchosa.org

HU102X0A * FOUNDATIONS OF HEALTH SCIENCE

Credit 1 unit Grades 9

Prerequisite: None

This course is designed to assist potential health care workers in their role and function as health team members. Topics include terminology, the history of health care, health care agencies, ethics, legal responsibilities, health careers, holistic health, health care trends, cultural awareness, communication, medical math, leadership, and career decision making. English language arts are reinforced.

HB112X0A * BIOMEDICAL TECHNOLOGY (LHS)

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

This course challenges students to investigate current trends in healthcare. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research. English language arts and science are reinforced.

HU402X0A * HEALTH SCIENCE I

Credit 1 unit Grades 9,10, 11

Prerequisite None

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.

HU422X0A * HEALTH SCIENCE II

Credit 1 unit Grades 10,11,12

Prerequisite Health Science I

Note: *This course has a maximum enrollment of 20.*

This course is designed to help students expand their understanding of financing and trends of healthcare 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 for healthcare professionals. English language arts and science are reinforced in this course.

HU425X0A * HONORS HEALTH SCIENCE II

Credit 1 unit Grades 10,11,12

Prerequisite Health Science I

Note: *This course has a maximum enrollment of 20.*

The Honors Health Science II course is designed for students who are motivated, organized and independent learners, capable of moving through material at a more rapid pace and at a more in-depth cognitive level. This course is designed to help students expand their understanding of financing and trends of healthcare 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 for healthcare professionals. English language arts and science are reinforced in this course.

HN435X0C * NURSING FUNDAMENTALS (Inherently Honors)

Credit 2 units Grade 11,12

Prerequisite Health Science II

District Recognized Credential North Carolina Nurse Aide *

Note: *This course has a maximum enrollment of 10 students.*

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.

*Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.038(i), which requires the ratio of teacher to nurse aide students be 1:10 or less during lab instruction, demonstration, skills practice, and while in the clinical area.

HN425X0C * NURSING FUNDAMENTALS NON-PRACTICUM (Inherently Honors)

Credit 2 units Grade 11,12

Prerequisite Health Science II

District Recognized Credential North Carolina Nurse Aide *

Note: This course has a maximum enrollment of 10 students.

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.

*Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.038(i), which requires the ratio of teacher to nurse aide students be 1:10 or less during lab instruction, demonstration, skills practice, and while in the clinical area.

CS972X0A * CTE INTERNSHIP

Credit 1 unit Grades 10,11,12

Prerequisite None

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

TRADE, TECHNOLOGY, ENGINEERING, AND INDUSTRIAL EDUCATION

Numerous industries offer national credentialing, certification, documentation, and registry services to accredit high school Trade and Industrial Education programs. Each has rigid inspection, testing, and acceptance criteria and maintains a national registry that provides portable credentials. North Carolina also requires certain trades, crafts, and technicians to be licensed. Licensure usually requires meeting age, education, experience, and examination criteria. Most Trade and Industrial Education programs provide the skills and knowledge appropriate to acquire credentialing.

North Carolina Technology Student Association (NC TSA) is an essential element of the state's Technology Education Program. This student organization provides the opportunity for students to engage in activities directly reflecting the curriculum. Along with learning collaboration and leadership skills, students can engage in student-centered, complex tasks that are authentic and developed over an extended period. Beyond the powerful influence of the activities, participation in the NC-TSA helps transform one's program by affording both the teacher and his or her students the opportunity to learn from others by attending regional, state, and national conferences. For more information visit: North Carolina TSA Site: <http://www.nctsa.org>

SkillsUSA is the premier student leadership organization in the country with over 300,000 members nationwide. North Carolina is proud to be a strong component of the national organization and is one of the original states chartered in 1965 when the organization was started as VICA. The activities include professional and leadership development conferences, competitions that measure both technical and employability skills, and opportunities for scholarships, employment, and networking. North Carolina site: <http://www.skillsusanc.org>

II312X0A1 * ADOBE VISUAL DESIGN

Credit 1 unit Grades 9,10,11

Prerequisite None

District-Recognized Credential Adobe Illustrator* (Tethered)

This course is a project-based course that develops ICT, career, and communication skills in print and graphic design using Adobe tools. This course is aligned to Adobe Photoshop, InDesign, and Illustrator certification. English language arts are reinforced.

II322X0A * ADOBE DIGITAL DESIGN

Credit 1 Unit Grades 10, 11, 12

Prerequisite Adobe Visual Design

District-Recognized Credential Adobe InDesign* (Tethered)

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

II332X0A * ADOBE VIDEO DESIGN

Credit 1 Unit Grades 10, 11, 12

Prerequisite Adobe Visual Design

District-Recognized Credential Adobe Photoshop* (Tethered)

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

IT112X0A * AUTOMOTIVE SERVICES FUNDAMENTALS

Credit 1 unit Grades 9,10, 11

Prerequisite: None

Note: *This course is taught at NHHS but is available to other high school students.*

Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.

This course introduces automotive safety, basic automotive terminology, system and components 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.

IT116X0A * AUTOMOTIVE SERVICE I

Credit 1 unit Grades 10, 11

Prerequisite Automotive Service Fundamentals

Note: *This course is taught at NHHS but is available for district-wide enrollment. Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing and basic testing of brakes, electrical systems, drive train, engine HVAC and steering and 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 and mathematics are reinforced.

IT172X0A * AUTOMOTIVE SERVICE II

Credit 1 unit Grades 11, 12

Prerequisite Automotive Service I

Note: *This course is taught at NHHS but is available for district-wide enrollment. Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course builds on the knowledge and skills introduced in Automotive Service 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 and 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.

IT182X0A * AUTOMOTIVE SERVICE III

Credit 1 unit Grades 11, 12

Prerequisite Automotive Service II

Note: *This course is taught at NHHS but is available for district-wide enrollment. Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course builds on the knowledge and skills introduced in Automotive Service I & II. Building advanced automotive skills and knowledge in vehicle servicing, testing, repair, and diagnosis of brakes, electrical systems, and drivetrain, engine, HVAC and steering & suspension systems, while emphasizing hands-on experiences. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English/Language Arts and Mathematics are reinforced.

IC002X0A * CONSTRUCTION CORE

Credit 1 Unit Grades 9, 10, 11

Prerequisite None

District-Recognized Credential NC NCCER Credential - Core* (Tethered)

Note: *Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

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. English/Language Arts and Mathematics are reinforced.

YIC212X0A * CARPENTRY I

Credit 1 unit Grades 10, 11

Prerequisite Construction Core

District-Recognized Credential NC NCCER Credential - Carpentry I* (Tethered)

Note: *Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course covers basic carpentry terminology and develops technical aspects of carpentry with emphasis on development of introductory skills to include orientation to the trade, building materials, fasteners, and adhesives, hand and power Tools, reading plans and elevations, introduction to concrete, reinforcing materials, and forms, floor system construction procedures, wall and ceiling framing procedures, and basic stair layout.. English/Language Arts and Mathematics are reinforced.

IC225X0A * CARPENTRY II (Inherently Honors)

Credit 1 unit Grades 10, 11, 12

Prerequisite Carpentry I

District-Recognized Credential NC NCCER Credential - Carpentry II* (Tethered)

Note: *Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course builds on skills mastered in Carpentry I and provides an emphasis on roof framing procedures, roofing applications, thermal and moisture protection, windows and exterior doors installation, exterior finishing, and the introduction to weatherization module. English language arts and mathematics are reinforced.

IC235X0A * CARPENTRY III

Credit 1 units Grades 10, 11, 12

Prerequisite Carpentry II

District-Recognized Credential NC NCCER Credential - Carpentry III* (Tethered)

Note: *Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course builds on skills mastered in Carpentry II and develops advanced technical aspects of carpentry with the emphasis on commercial drawing, cold-formed steel framing construction methods, drywall installations, drywall finishing procedures, doors and door hardware installation, and windows, door, floor and ceiling trim procedures. English language arts and mathematics are reinforced.

TS24 * DIGITAL DESIGN AND ANIMATION I

Credit 1 unit Grades 10, 11, 12

Prerequisite None

Note: *For safety and equipment reasons, maximum enrollment is not to exceed 20.*

Digital Design and Animation I is an introductory level course focusing on the concepts and tools used by digital artists in a wide variety of creative careers including graphic design, film, and game design. Students work with professional-grade creative software packages to develop 2D and 3D digital graphics and audio/video media. Students use Adobe CC Suite, and digital 3D modeling with 3DS Max to build needed skills for subsequent courses.

TS25 * DIGITAL DESIGN AND ANIMATION II

Credit 1 unit Grades 10, 11, 12

Prerequisite TS24 Digital Design and Animation I

Digital Design and Animation II emphasizes the use of industry-standard digital technology and media to help students develop the artistic and technical skills necessary to plan, analyze, and create visual solutions to 21st Century communications problems. Students engage in digital art activities using professional-grade creative software packages to develop complex 2D and 3D digital graphics and audio/video media. Students apply Adobe CC Suite and 3DS Max skills to industry-related activities and projects, mirroring workplace scenarios.

IC612X0A * DRAFTING I

Credit 1 unit Grades 9,10, 11, 12

Prerequisite None

District-Recognized Credential Autodesk Certified User AutoCAD*

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, sketching, and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

IC615X0A * HONORS DRAFTING I

Credit 1 unit Grades 10, 11, 12

Prerequisite None

District-Recognized Credential Autodesk Certified User AutoCAD*

The honors course is offered at an accelerated pace. 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, sketching, and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

IC625X0A * DRAFTING II - ARCHITECTURAL *(Inherently Honors)*

Credit 1 unit *Grades 10,11,12*

Prerequisite Drafting I

District-Recognized Credential Autodesk Certified User Revit

This course focuses on the principles, concepts of architectural design, and use of Building Information Modeling (BIM), used in the field of architecture. An emphasis is placed on the use of 3D CAD tools in the design and execution of floor plans, foundations plans, wall sections, and elevation drawings. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as REVIT, are essential to this course, and the required method of producing finished drawings. English language arts, mathematics, and science are reinforced.

IV222X0A * DRAFTING II - ENGINEERING

Credit 1 unit *Grades 10,11, 12*

Prerequisite Drafting I

District-Recognized Credential Autodesk Certified User Revit

This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as INVENTOR or SolidWorks, are essential to this course and the required method of producing finished drawings. Topics include cover advanced levels of Engineering Drafting and Design, Career Opportunities, Problem Solving, Manufacturing Processes, Parametric-Solid Modeling, Dimensioning and Tolerancing, Working Drawings, and 3D modeling. English language arts and mathematics are reinforced.

IV225X0A * HONORS DRAFTING II - ENGINEERING

Credit 1 unit *Grades 10,11, 12*

Prerequisite Drafting I

District-Recognized Credential Autodesk Certified User Revit

The Honors course is designed for students who are motivated, organized and independent learners, capable of moving through material at a more rapid pace and at a more in-depth cognitive level. Students will be required to design and maintain an electronic portfolio of their quality work as a demonstration of 21st century skills. This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as INVENTOR or SolidWorks, are essential to this course and the required method of producing finished drawings. Topics include cover advanced levels of Engineering Drafting and Design, Career Opportunities, Problem Solving, Manufacturing Processes, Parametric-Solid Modeling, Dimensioning and Tolerancing, Working Drawings, and 3D modeling. English language arts and mathematics are reinforced.

IC635X0A * DRAFTING III - ARCHITECTURAL *(Inherently Honors)*

Credit 1 unit *Grades 10,11,12*

Prerequisite Drafting II- Architectural

District-Recognized Credential Autodesk Certified User Revit

This course introduces students to advanced architectural design concepts, and Building Information Modeling (BIM). Emphasis is placed on the use of 3D CAD tools and software such as REVI, in the design and execution of site and foundation plans, electrical/lighting plans, stair/railing design, bath and kitchen details, multi-level floor systems, site development, renderings and walkthroughs, as well as small commercial building and design. English language arts, mathematics, and science are reinforced.

ID112X0A * DRONE TECHNOLOGY I (AHS)

Credit 1 Unit Grades 9, 10, 11, 12

Prerequisite None

District-Recognized Credential: FAA 107 (required prior to enrollment in Drone Technology II)

This course is designed to provide students basic information about the drone industry to gain an understanding of careers and skills in this field. FAA 14 CFR part 107 (The Small UAS Rule), officially known as "Part 107 Remote Pilot Certificate" is covered. The Small UAS rule adds a new part 107 to Title 14 Code of Federal Regulations (14 CFR) to allow for routine civil operation of small Unmanned Aircraft Systems (UAS) in the National Airspace System (NAS) and provide safety rules for those operations. This course is also designed for an introduction to basic flight of drones to include manual flight and flight and mapping software. English language arts are reinforced.

ID122X0A * DRONE TECHNOLOGY II (AHS)

Credit 1 Unit Grades 10, 11, 12

Prerequisite Drone Technology I

This course is designed to provide students with advanced information about the drone industry to gain an understanding of careers and skills in this field. FAA 14 CFR part 107 (The Small UAS Rule), officially known as "Part 107 Remote Pilot Certificate" is covered. The Small UAS rule adds a new part 107 to Title 14 Code of Federal Regulations (14 CFR) to allow for routine civil operation of small Unmanned Aircraft Systems (UAS) in the National Airspace System (NAS) and provide safety rules for those operations. English language arts are reinforced.

IP212X0A * EMERGENCY MEDICAL TECHNOLOGY I

Credit 1 unit Grades 10, 11

Prerequisite English II

Note: This course is taught at NHHS but is available for district-wide enrollment/transportation provided.

This course is aligned to the EMT Basic certification available from the North Carolina Office of Emergency Medical Services and is part I of a two course sequence required to meet the mandatory hours of training. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

IP225X0A * EMERGENCY MEDICAL TECHNOLOGY II (Inherently Honors)

Credit 1 unit Grades 11, 12

Prerequisite Emergency Medical Technology I and English III

District Recognized Credential EMT Basic

Note: This course is taught at NHHS but is available for district-wide enrollment/transportation provided.

This course is aligned to the EMT Basic certification available from the North Carolina Office of Emergency Medical Services and is part II of a two course sequence required to meet the mandatory hours of training. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

TS312X0A * GAME ART AND DESIGN

Credit 1 unit Grades 10, 11, 12

Prerequisite TS24 Digital Design and Animation I

This course introduces students to techniques used in the electronic game industry. Students will focus on the principles used in game design including mathematical and virtual modeling. Emphasis is placed on areas related to art, history, ethics, plot development, storyboarding, programming, 2D visual theory, and interactive play technologies. Students develop physical and virtual games using hands-on experiences and a variety of software. Art, English language Arts, mathematics and science are reinforced.

TS322X0A * ADVANCED GAME ART AND DESIGN

Credit 1 unit Grades 10, 11, 12

Prerequisite Game Art and Design

Note: *For safety and equipment reasons, maximum enrollment is not to exceed 20.*

This course is a continuation in the study of game design and interactivity. Emphasis is placed on visual design, evaluating, scripting and networking protocols, and legal issues as well as 3D visual theory. Students compile a game portfolio. Advanced topics include the use of audio and visual effects, rendering, modeling, and animation techniques. Students work in collaborative teams to develop a final 3D game project. Art, English language Arts, mathematics and science are reinforced.

TE112X0A * TECHNOLOGY ENGINEERING AND DESIGN

Credit 1 unit Grade 9, 10, 11

Prerequisite: None

Note: *Due to potentially hazardous processes and equipment, maximum enrollment is not to exceed 20.*

This course focuses on the nature and core concepts of technology, engineering, and design. Through engaging activities and hands-on project-based activities, students are introduced to the following concepts: elements and principles of design, basic engineering, problem-solving, and teaming. Students apply research and development skills and produce physical and virtual models. Activities are structured to integrate physical and social sciences, mathematics, English/Language Arts, and art.

TE122X0A * TECHNOLOGICAL DESIGN

Credit 1 unit Grades 10, 11

Prerequisite Technology Engineering and Design

Note: *For safety and equipment reasons, maximum enrollment is not to exceed 20.*

This course continues to apply the skills, concepts, and principles of design. The design fields of graphics, industrial design, and architecture receive major emphasis. Engineering content and professional practices are presented through practical application. Working in design teams, students apply technology, science, and mathematics concepts and skills to solve engineering and design problems. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. Art, English, Language Arts, Mathematics and Science are required.

TE132X0A * ENGINEERING DESIGN

Credit 1 unit Grades 10, 11, 12

Prerequisite Technology Engineering and Design

Note: *For safety and equipment reasons, maximum enrollment is not to exceed 20.*

This course continues to apply the skills, concepts, and principles of engineering. Students explore various technological systems and engineering processes in related career fields. Topics include investigating technological system, design optimization, and problem solving. Students utilize CAD and physical and virtual modeling concepts to construct, test, collect, and report data. Art, English/Language Arts, Mathematics and Science are reinforced.

TP25 * PLTW AEROSPACE ENGINEERING

Credit 1 unit Grades 10, 11, 12
Prerequisite Pathway to Engineering (PTE) Foundation

Note: For safety and equipment reasons, maximum enrollment is not to exceed 20.

In this specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Using 3-D design software, students work in teams utilizing hands-on activities, projects, and problems and are exposed to various situations encountered by aerospace engineers. Art, English language arts, mathematics, and science are reinforced.

TP23X0A * PLTW CIVIL ENGINEERING AND ARCHITECTURE (LHS)

Credit 1 unit Grades 9, 10
Prerequisite Pathway to Engineering (PTE) Foundation

In the specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software. Art, English language arts are also reinforced.

TP117X0A * PLTW INTRODUCTION TO ENGINEERING DESIGN (LHS)

Credit 1 unit Grades 9, 10
Prerequisite None

In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students are exposed to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community. Art, English language arts, mathematics and science are reinforced.

TP127X0A * PLTW PRINCIPLES OF ENGINEERING (LHS)

Credit 1 unit Grades 10,11, 12
Prerequisite None

In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students survey engineering and are exposed to major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community. Art, English language arts, mathematics and science are reinforced.

IP112X0A * PUBLIC SAFETY I (SEA-TECH)

Credit 1 Unit Grades 10, 11, 12
Prerequisite None

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. 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. **(SEA-Tech: 2020-2021 School Year)**

IP122X0A * PUBLIC SAFETY II (SEA-TECH)

Credit 1 Unit Grades 10,11,12

Prerequisite Public Safety I

This course provides a deeper level of understanding of career information in public safety by focusing on the Community Emergency Response Team (C.E.R.T.) Certification. CERT is a Federal Emergency Management Administration (FEMA) developed certification that incorporates all areas of public safety. Additionally, FEMA ICS300 Intermediate Incident Command System is covered in this course. **(SEA-Tech: 2020-2021 School Year)**

CS972X0A * CTE INTERNSHIP

Credit 1 unit Grades 10,11,12

Prerequisite None

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

SUPPLEMENTAL EMPLOYABILITY SKILLS COURSES

The following courses are not included in the pathways referenced above. Course offerings are limited at each school.

CC452X0A * CAREER MANAGEMENT

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

District-Recognized Credentia Conover Workplace Readiness*

This course prepares students to locate, secure, keep, and change careers. Emphasis is placed on self assessment of characteristics, interests, and values; education and career exploration; evaluation of career information and creation of a career plan. Based on the National Career Development Guidelines, skills learned in this course include, but are not limited to communications, interpersonal skills, problem solving, personal management and teamwork. English language arts are reinforced.

BI102X0A * FOUNDATIONS OF INFORMATION TECHNOLOGY (NHCS Virtual Option)

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

This introductory course provides students with the foundation to pursue further study in information technology. Emphasis is on network systems, information support and services, programming and software development, and interactive media. Mathematics is reinforced.

BM102X0A * MICROSOFT WORD and POWERPOINT

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

Note: Enrollment is not to exceed 25

Students in Microsoft Imagine Academy benefit from the 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 current 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. English language arts are reinforced.

BM105X0A * HONORS MICROSOFT WORD and POWERPOINT

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite None

Note: *Enrollment is not to exceed 25.*

Students in Microsoft Imagine Academy benefit from the 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 current 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. Students will choose among honors recommended projects in addition to the activities in the standard curriculum. English language arts are reinforced.

BM205X0A * MICROSOFT EXCEL (*Inherently Honors*)

Credit 1 unit Grades 9,10, 11, 12

Prerequisite None

Note: *Enrollment is not to exceed 25.*

Students in Microsoft IT Academies benefit from the world-class Microsoft curriculum and cutting edge software tools to tackle real-world challenges in the classroom environment. This class is designed to prepare students for successful completions of the Microsoft Office Specialist Excel Core and Excel Expert exams.

ENGLISH

The North Carolina State Standards for English Language Arts are aligned with college and career ready (CCR) expectations. They include rigorous content and application of knowledge through higher order thinking skills, are internationally benchmarked, and are evidence and/or research-based. ELA North Carolina standards reflect a strong belief that fewer core standards allow a deeper focus on essential knowledge and skills, that clearer standards can be implemented with rigor and instructional creativity, and that higher standards help all students to learn deeper content knowledge and acquire meaningful authentic skills needed to achieve in a 21st century global society.

At the secondary level, the standards also define end-of-year expectations and a cumulative progression through grade bands 9-10 and 11-12/CCR to enable students to meet college and career readiness expectations no later than the end of high school. The expectations are organized into the strands of Reading, Writing, Speaking/Listening, and Language.

The Reading standards establish a staircase of increasing complexity in what students must be able to read and comprehend in order to meet the demands of college and career level texts. The Writing standards promote writing throughout the grade levels/bands by fostering the ability to write logical arguments based on substantive claims, sound reasoning, and relevant evidence.

The Speaking/Listening standards require that students be able to gain, evaluate, and present increasingly complex information, ideas, and evidence. The Language standards include vocabulary and convention standards that should not be taught, learned, and implemented in isolation but should be used and developed through reading, writing, and speaking/listening.

10212X0A * ENGLISH I

Credit 1 unit

The English I course provides a foundational study of literary genres (novels, short stories, poetry, drama, literary nonfiction).

10215X0A * HONORS ENGLISH I

Credit 1 unit

Honors English I provides opportunities for students to go beyond the English I requirements, exploring more widely and deeply texts that are more complex. Honors English I requires students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators.

10222X0A * ENGLISH II

Credit 1 unit

Prerequisite 1 unit of English

Note: *A North Carolina End-of-Course test is administered for this course.*

English II introduces literary global perspectives focusing on literature from the Americas (Caribbean, Central, South, and North), Africa, Eastern Europe, Asia, Oceania, and the Middle East.

10225X0A * HONORS ENGLISH II

Credit 1 unit

Prerequisite 1 unit of English

Note: *A North Carolina End-of-Course test is administered for this course.*

Honors English II provides opportunities for students to go beyond the English II requirements, exploring more widely and deeply texts that are more complex. Honors English II requires students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators.

10232X0A * ENGLISH III

Credit 1 unit
Prerequisites 2 units of English

English III focuses on American literature and nonfiction, especially foundational works and documents from the 17th century through the early 20th century.

10235X0A * HONORS ENGLISH III

Credit 1 unit
Prerequisites 2 units of English

Honors English III provides opportunities for students to go beyond the English III requirements, exploring more widely and deeply texts that are more complex. Honors English III requires students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators.

1A007X0A * AP LANGUAGE AND COMPOSITION

Credit 1 unit
Prerequisites 3 units of English – Honors English I, II, and III is recommended

The AP English III: Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.

This course is intended to provide the equivalent in content and difficulty of a college-level introductory English course. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP English examination is designed, administered, and graded by the College Board.

Note: *AP Language and Composition can be substituted in the place of English III or Honors English III. Students choosing to skip English III to directly enroll into AP Language will be required to complete a summer reading assignment due at the beginning of the school year.*

10242X0A * ENGLISH IV

Credit 1 unit
Prerequisites 3 units of English

English IV completes the global perspective initiated in English II. Though its focus is mostly on European (Western, Southern, Northern) literature, this course includes important U.S. documents and literature (texts influenced by European philosophy or action).

10242X0A * ENGLISH IV (code may be incorrect)

Credit 1 unit
Prerequisites 3 units of English

Note: *In addition to the face-to-face teacher instruction, this course also embeds Career and College Ready Graduate (CCRG) computer modules that help prepare students for post-secondary education.*

English IV completes the global perspective initiated in English II. Though its focus is mostly on European (Western, Southern, Northern) literature, this course includes important U.S. documents and literature (texts influenced by European philosophy or action). The online components of this course will reinforce reading, writing, and grammar skills necessary for success in post-secondary education.

10245X0A * HONORS ENGLISH IV

Credit 1 unit
Prerequisites 3 units of English

Honors English IV provides opportunities for students to go beyond the English IV requirements, exploring more widely and deeply texts that are more complex. Honors English IV requires students to work as self-directed and reflective learners, both independently and in groups as leaders and collaborators.

1A017X0A * AP LITERATURE AND COMPOSITION

Credit 1 unit
Prerequisites 4 units of English - Honors English I, II, III, and IV is recommended

The AP English IV: Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

This course is intended to provide the equivalent in content and difficulty of a college-level introductory English course. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP English examination is designed, administered, and graded by the College Board.

Note: *AP Literature and Composition can be substituted in the place of English IV or Honors English IV. Students choosing to skip English IV to directly enroll into AP Literature will be required to complete a summer reading assignment due at the beginning of the school year.*

10252X0A * CREATIVE WRITING

Credit 1 unit
Prerequisite English I

This course develops skills required in analyzing and creating imaginative prose, poetry, drama, and short stories utilizing observation, past experience, and sensory perception. Through the completion of varied writings, the student perfects the writing process from pre-writing to presentation.

10255X0A * HONORS CREATIVE WRITING I (AHS, NHHS, CRA)

Credit 1 unit
Prerequisite English I

Honors Creative Writing extends the instruction of on-level Creative Writing by demanding more challenging and varied reading assignments, as well as a film studies component and research of career opportunities (both writing and publication). However, the true distinction between the two courses lies in the level of complexity of the additional supplemental texts and of the sophistication (in structure, theme(s), figurative language, character development, and overall creativity/ingenuity) of the student produced work. Honors students should also exhibit a mastery of grammar and mechanics by the final draft.

10255X0A2 * HONORS CREATIVE WRITING II (AHS)

Credit 1 unit
Prerequisite Honors Creative Writing I

Honors Creative Writing II is an intermediate to advanced-level writing course for students who wish to have additional instructional opportunities and mentoring in a self-selected genre (i.e. fiction, songwriting, screenwriting, etc.). All coursework, including increasingly sophisticated reading and writing assignments, is intended to support successful completion of an extensive, student-proposed final project in the student's genre of choice. Students will also research specific writing and publishing career opportunities, with particular focus on networking, self-promotion, and marketing.

10281X0E * SPECIAL INTEREST ENGLISH (Focus 9: Reading Comprehension and Grammar)

Credit 1 unit

Students in Focus 9 will learn the parts of speech and how they are used in sentences. Students will improve their writing at the sentence level, phrase level, and word level. Through reading and responding to high interest and relevant non-fiction, students will strengthen their reading skills by learning and applying reading strategies. This course is taken prior to English I.

10281X0F * SPECIAL INTEREST ENGLISH (Focus 10: Reading Comprehension and Grammar)

Credit 1 unit

Prerequisite English I

Students in Focus 10 learn skills to improve their writing at the sentence level, phrase level, and word level. Students will learn how to write a literary analysis essay, personal essay, and report. Having successfully learned sentence and paragraph construction through fundamental sentence diagramming, students will apply this knowledge to writing. This course is taken prior to English II.

10312X0A * JOURNALISM I (Yearbook)

Credit 1 unit

Note: *Journalism I (fall) and Journalism I (spring) may be taken for one unit of credit or both courses may be taken for two units of credit.*

Students compose and publish the yearbook. Dummy designs, layouts, picture schedules, proofreading, selling ads, and all other details involved in publishing the complete volume are the basis of study. This course may be repeated for credit.

10325X0A * HONORS JOURNALISM II (Honors Yearbook)–

Credit 1 unit Grades 11,12

Note: *Honors Journalism II (fall) and Honors Journalism II (spring) may be taken for one unit of credit or both courses may be taken for two units of credit.*

This junior and senior level course requires students to work independently and complete advanced assignments. This course requires students to assume leadership roles and exhibit managerial skills.

96082X0A * LIBRARY/MEDIA ASSISTANCE (Library Skills I)

Credit 1 unit

Prerequisite Media Specialist's approval

This is a semester elective course designed for students with library/media interests. Emphasis is given to the acquisition of organizational skills, problem solving, and utilization of all forms of media. Special emphasis is placed on the use of computers for media tasks, instructional software, and the use of the internet as a resource. Instruction will be both formal and informal. Students will demonstrate a working knowledge of all library/media skills taught.

ENGLISH AS A SECOND LANGUAGE

10382XOA * ESL I

Credit 1 unit *Grades 9, 10, 11, 12*

This course is for *intensive level* students whose first language is a language other than English and who are in need of beginning English language skills in speaking, listening, reading, and writing. Areas of study include academic, content-integrated vocabulary development and language patterns used in context. Time is designated daily for cross-curricular resource support. This course may be repeated for credit.

10382XOB * ESL II

Credit 1 unit *Grades 9, 10, 11, 12*

This course is for *supportive level* students whose first language is a language other than English and who need to improve English language skills in speaking, listening, reading, and writing at an intermediate level. Areas of study include academic, content-integrated vocabulary development and language structures used in context. Time is designated daily for cross-curricular resource support. This course may be repeated for credit.

10382XOC * ESL III

Credit 1 unit *Grades 9, 10, 11, 12*

This course is for *transitional level* students whose first language is a language other than English and who need to refine their English language skills at an advanced level. Areas of study include developing academic oral communication, and building academic writing skills in contextual applications. Time is designated daily for cross-curricular resource support. This course may be repeated for credit.

HEALTHFUL LIVING EDUCATION

The purpose of New Hanover County Schools' Healthful Living Education Program is to educate and involve students in a program promoting healthy lifestyles. Students apply skills that foster self-esteem, behavior management, and communication. The program focuses on the following topics to reduce incidences of high-risk behaviors:

- the nature of health, health risks, and health education
- stress management
- substance abuse
- nutrition and weight management
- self-protection
- relationships
- personal fitness
- recreational dance
- lifetime sports

60492XOA * HEALTH AND PHYSICAL EDUCATION

Credit 1 unit

Note: *This course is required for graduation.*

Students graduating in and after 2015 must have Hands-Only CPR instruction.

This course is made up of two nine-week segments—nine weeks of health and nine-weeks of physical education. The health segment is comprised of building self-esteem, making responsible decisions, and relating these skills to key issues of a healthy lifestyle. The physical education component emphasizes flexibility, cardiovascular conditioning, and a variety of activities. Both segments are aligned with North Carolina's High School Healthful Living Essential Standards and clarifying objectives.

96102X0BT * PHYSICAL EDUCATION ELECTIVE (Beginning Tennis –Fall) (EAL, NHHS)

Credit 1 unit

Tennis covers fundamental skills, rules, scoring, etiquette, strategy, court positioning, equipment selection, and game play. Special emphasis is placed on flexibility and cardiovascular training.

96102X0IT * PHYSICAL EDUCATION ELECTIVE (Intermediate Tennis – Spring Only) (NHHS)

Credit 1 unit

Prerequisite Beginning Tennis

This course is designed for students wanting to improve their fundamental skills, learn more about singles and doubles game play, and practice tournament sportsmanship in actual game situations. Special emphasis is placed on lifetime fitness. This course may be repeated for credit.

96102X0PF * PHYSICAL EDUCATION ELECTIVE (Personal Fitness) (AHS, NHHS)

Credit 1 unit

Personal fitness addresses a variety of topics related to health and physical fitness. Students learn how to assess their own health and fitness level. Based on that knowledge they are able to design their own personal fitness program using a wide range of fitness and wellness activities. This course may be repeated for credit.

96102X0TS * PHYSICAL EDUCATION ELECTIVE (Team Sports) (AHS, EAL, NHHS)

Credit 1 unit

Students learn the history, basic skills, and rules associated with many traditional sports such as basketball, soccer, softball, volleyball, and non-traditional sports such as cricket, team handball, floor hockey, lacrosse, and ultimate Frisbee. Special emphasis is placed on lifetime fitness. This course may be repeated for credit.

96102X0BC * PHYSICAL EDUCATION ELECTIVE (Body Conditioning and Weight Training)

Credit 1 unit

Body conditioning and weight training is designed for students who are seriously interested in strenuous physical activity. The primary focus of this course is weight training. Cardiovascular fitness and flexibility exercises are also incorporated. This course may be repeated for credit.

INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

0I018X0D * Theory of Knowledge (SL)

Credit 1 unit

Prerequisite

This course is about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the Diploma Programme by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share.

1I018X0D * Language and Literature Higher Level (HL)

Credit 2 units (*this is a two-year course*)

Prerequisite

This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices. The course also encourages students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in a text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. The study of literature in translation from other cultures is especially important because it contributes to a global perspective. Texts are chosen from a variety of sources, genres and media.

1I138X0D * Chinese Mandarin Standard Level (SL)

Credit 1 unit

Prerequisite Honors Mandarin III

This course allows students to develop the ability to communicate in Mandarin through the study of language, themes, and texts while developing conceptual understandings of how the language works. Students build the necessary skills to reach the assessment objectives of this course through receptive, productive, and interactive skills. Students expand these skills by understanding and producing a wide variety of oral and written texts. A key element of this course is to develop international-mindedness through the study of the language, culture, and ideas and issues of global significance. The prescribed themes of identities, experiences, human ingenuity, social organization, and sharing the planet provide relevant contexts for study and opportunities to communicate about matters of personal, local or national, and global interest.

1I058X0D * French Standard Level (SL)

Credit 1 unit

Prerequisite Honors French III

This course allows students to develop the ability to communicate in French through the study of language, themes, and texts while developing conceptual understandings of how the language works. Students build the necessary skills to reach the assessment objectives of this course through receptive, productive, and interactive skills. Students expand these skills by understanding and producing a wide variety of oral and written texts. A key element of this course is to develop international-mindedness through the study of the language, culture, and ideas and issues of global significance. The prescribed themes of identities, experiences, human ingenuity, social organization, and sharing the planet provide relevant contexts for study and opportunities to communicate about matters of personal, local or national, and global interest.

11068X0D * French Higher Level (HL)

Credit 2 units (*this is a two-year course*)

Prerequisite Honors French IV or teacher recommendation

Note: *The HL curriculum takes Standard Level topics to greater depth, and includes two works of literature beyond that of the SL course.*

This course allows students to develop the ability to communicate in French through the study of language, themes, and texts while developing conceptual understandings of how the language works. Students build the necessary skills to reach the assessment objectives of this course through receptive, productive, and interactive skills. Students expand these skills by understanding and producing a wide variety of oral and written texts. A key element of this course is to develop international-mindedness through the study of the language, culture, and ideas and issues of global significance. The prescribed themes of identities, experiences, human ingenuity, social organization, and sharing the planet provide relevant contexts for study and opportunities to communicate about matters of personal, local or national, and global interest.

11078X0A * German Standard Level (SL)

Credit 1 unit

Prerequisite Honors German III

This course allows students to develop the ability to communicate in German through the study of language, themes, and texts while developing conceptual understandings of how the language works. Students build the necessary skills to reach the assessment objectives of this course through receptive, productive, and interactive skills. Students expand these skills by understanding and producing a wide variety of oral and written texts. A key element of this course is to develop international-mindedness through the study of the language, culture, and ideas and issues of global significance. The prescribed themes of identities, experiences, human ingenuity, social organization, and sharing the planet provide relevant contexts for study and opportunities to communicate about matters of personal, local or national, and global interest.

11158X0D * Spanish Standard Level (SL)

Credit 1 unit

Prerequisite Honors Spanish III

This course allows students to develop the ability to communicate in Spanish through the study of language, themes, and texts while developing conceptual understandings of how the language works. Students build the necessary skills to reach the assessment objectives of this course through receptive, productive, and interactive skills. Students expand these skills by understanding and producing a wide variety of oral and written texts. A key element of this course is to develop international-mindedness through the study of the language, culture, and ideas and issues of global significance. The prescribed themes of identities, experiences, human ingenuity, social organization, and sharing the planet provide relevant contexts for study and opportunities to communicate about matters of personal, local or national, and global interest.

11168X0D * Spanish Higher Level (HL)

Credit 2 units (*this is a two-year course*)

Prerequisite Honors Spanish IV or teacher recommendation

This course allows students to develop the ability to communicate in Spanish through the study of language, themes, and texts while developing conceptual understandings of how the language works. Students build the necessary skills to reach the assessment objectives of this course through receptive, productive, and interactive skills. Students expand these skills by understanding and producing a wide variety of oral and written texts. A key element of this course is to develop international-mindedness through the study of the language, culture, and ideas and issues of global significance. The prescribed themes of identities, experiences, human ingenuity, social organization, and sharing the planet provide relevant contexts for study and opportunities to communicate about matters of personal, local or national, and global interest.

1118X0D * Classical Language (Latin) Standard Level (SL)

Credit 1 unit
Prerequisite Honors Latin III

The classical language courses provide an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language.

11128X0D * Classical Language (Latin) Higher Level (HL)

Credit 2 units (*this is a two-year course*)
Prerequisite Honors Latin IV or teacher recommendation

The classical language course provides an opportunity for students to explore the languages, literatures and cultures of ancient Greece or Rome. The study of classical languages gives important insights into the cultures that produced them, and leads to a greater understanding of contemporary languages, literature and cultures. Fundamentally, the study of classical languages trains the mind, developing skills of critical thought, memory and close analysis, as well as an appreciation of the beauty and power of language. Higher level students will continue with their study beyond the depth of that experienced in standard level in addition to supplementary extracts presented on the external exam.

41008X0D * History Higher Level (HL): History of the Americas

Credit 2 units (*this is a two-year course*)
Prerequisite 20th Century World Topics (41088X0)

This course is a dynamic, contested, evidence-based discipline that involves an exciting engagement with the past—especially in the geographical areas of North America, South America, Central America, and Canada. It is a rigorous intellectual discipline, focused around key historical concepts such as change, causation and significance. It is an exploratory subject that fosters a sense of inquiry. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge. It is designed to explicitly reinforce the emphasis on the development of international-mindedness. In addition, all students are required to study case studies and examples from different regions of the world, with comparison of such examples helping to ensure that the course adopts a transnational perspective.

41098X0 * Psychology (SL)

Credit 1 unit
Prerequisite None

This course aims to develop and awareness of how research findings can be applied to better understand human behavior and how ethical practices are upheld in various environments via psychological inquiry. Students learn to understand the biological, cognitive, and sociocultural influences on human behavior and explore alternative explanations of behavior. Students will learn to apply, analyze, synthesize, and evaluate psychological theories, empirical studies, and research methods used to investigate behavior.

31088X0 * Sports Exercise and Health Science (SL)

Credit 1 unit
Prerequisite Honors Biology, Chemistry

This course involves the study of science underpinning physical performance. In addition to studying the traditional disciplines of anatomy and physiology, biomechanics, psychology, and nutrition, students in SEHS cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. When relevant, students will explore the issues of international dimensions in ethics and regulatory practices, by considering sport, exercise, and health as they relate to individuals or groups in the global context.

3I018X0D * Biology Higher Level (HL)

Credit 2 units (*this is a two-year course*)

Prerequisite Honors Biology, Honors Chemistry

In this course, students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. Topics include cell biology, molecular biology, genetics, ecology and conservation, evolution and biodiversity, human physiology, neurobiology, and biotechnology. HL course options include nucleic acids, metabolism, plant biology, genetics and evolution, and animal physiology.

2I088X0D – Mathematics: Analysis and Approaches Standard Level (SL)

Credit 1 unit

Prerequisite Pre-Calculus, or Honors Advanced Functions and Modeling, or AP Statistics

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series. The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important. Mathematics: analysis and approaches has a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. Students who choose this course should be comfortable in the manipulation of algebraic expressions, enjoy the recognition of patterns, and understand the mathematical generalization of these patterns.

2I078X0D – Mathematics: Analysis and Approaches High Level (HL)

Credit 2 units (*this is a two-year course*)

Prerequisite AP Calculus AB/BC

Note: *The High Level curriculum takes Standard Level topics to greater depth. Students will have strong algebraic skills and the ability to understand simple proof. They will be students who enjoy spending time with problems and get pleasure and satisfaction from solving challenging problems.*

This course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course includes topics that are both traditionally part of a pre-university mathematics course (for example, functions, trigonometry, calculus) as well as topics that are amenable to investigation, conjecture and proof, for instance the study of sequences and series. The course allows the use of technology, as fluency in relevant mathematical software and hand-held technology is important. Mathematics: analysis and approaches has a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. Students who choose this course should be comfortable in the manipulation of algebraic expressions, enjoy the recognition of patterns, and understand the mathematical generalization of these patterns.

2I068X0D – Mathematics: Applications and Interpretations Standard Level (SL)

Credit 2 units (*this is a two-year course*)

Prerequisite Honors NC Math 3

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course makes extensive use of technology to allow students to explore and construct mathematical models. This course will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.

5I088X0D * Visual Arts Standard Level (SL)

Credit 1 unit

Prerequisite Proficient Visual Arts

This course is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. Visual Arts SL follows art in three major areas (context, methods, and communication).

5I098X0D * Visual Arts Higher Level (HL)

Credit 2 units (this is a two-year course)

Prerequisite Advanced Visual Arts

This course is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. Higher level moves to a depth of study and focus beyond that of standard Level.

5I008X0D * Dance Standard Level (SL)

Credit 1 unit

Prerequisite Proficient Dance or by audition

This course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. This course facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance. SL Dance comprises the elements of composition and analysis, world dance studies, and performance.

5I018X0D * Dance Higher Level (HL)

Credit 2 units (this is a two-year course)

Prerequisite Advanced Dance or by audition

This course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. This course facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance. HL Dance comprises the elements of composition and analysis, world dance studies, and performance to a depth beyond that of SL, and includes additional dance assessments.

NON-SUBJECT-SPECIFIC COURSES

47022X0A * SERVICE LEARNING

Credit 1 unit Grades 9 and 10

Prerequisite Instructor Approval

The Service Learning course is a dual purpose course that integrates academic and college and career readiness curriculum with a civic or service component. Within the service learning course, class time will be spent in research and discussion of what civic responsibility and service mean, analysis of people and organizations that are service oriented, establish standards of professionalism, present reflections and research, and produce a professional e-portfolio. During both the ethics and college/career readiness units, students will complete training and maintain professionalism by participating in service, job shadowing and college tours as a class.

47025X0A * HONORS SERVICE LEARNING (NH & ASH)

Credit 1 unit Grades 11 and 12

Prerequisite Instructor Approval

The Service Learning course is a dual purpose course that integrates academic and career readiness curriculum with a civic or service component. Students will divide their week between 2 days of classroom instruction and collaborative learning with 3 days of service time on site at their partner organization. Class time will be spent in research and discussion of what civic responsibility and service mean, analysis of people and organizations that are service oriented, establish standards of professionalism, present reflections and research, and produce a professional e-portfolio. The remainder of course time will be spent actively involved at their service location completing training and maintaining professionalism. At the end of the course students will present their research and suggestions to their service mentors in the form of a professional presentation.

96042X0A * TEACHER CADET I

Credit 1 unit Grades 11 and 12

Prerequisite 3.0 or higher GPA, three teacher recommendations, and a written essay

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

96062X0A * TEACHER CADET II

Credit 1 unit Grades 11 and 12

Prerequisite Teacher Cadet I

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

96102X0B * LEADERSHIP (JTH)

Credit 1 unit

Prerequisite Participation in student government

The leadership discovery class is designed to teach leadership skills that are life skills: self-awareness, organization, time management, goal setting, individual and group decision making, and communication skills including written and verbal presentations. Tolerant and conflict management skills are also taught and practiced. Student Council projects are planned, created, and carried out.

96102X0QT * Quest

Credit: 1 unit, Pass/Fail

Prerequisite: Approval of Administrator and MTSS Team

This course provides targeted instruction for basic skill fluency; emphasizes the development of organization, time-management, and academic progress self-monitoring skills; explores test preparation methods and effective study techniques; encourages goal setting, applying decision-making skills, developing good work habits, self management and communications skills.

0A007X0A * AP CAPSTONE SEMINAR (ASH)

Credit 1 unit Grades 10 and 11

Recommended Prerequisites

The AP Capstone Seminar course is an inquiry-based course that aims to engage students in cross-curricular conversations that explore real-world topics and issues from multiple perspectives. This course is designed around six essential skills and their development—critical thinking and reasoning, critical reading, inquiry and research, argumentation, communicating publicly, and collaboration. Students in this course will be working collaboratively toward the completion of a team research project and presentation, an individual research project and presentation, and an end-of-course examination administered by the AP College Board. It is essential that students come to this class self-motivated, willing to step outside the bounds of their comfort zone, and ready to work hard as they will be making several presentations in front of classes, peers, and potentially professional colleagues. This course places great emphasis on reading, writing, and presentation both in and out of class.

0A017X0A * AP CAPSTONE RESEARCH (ASH)

Credit 1 unit Grades 11 and 12

Recommended Prerequisites

The AP Capstone Research course is an inquiry-based course that aims to engage students in scholarly research with the end goal of making a unique contribution to that conversation. Students are encouraged to investigate real-world topics of interest. This course is designed around six essential skills and their development—critical thinking and reasoning, critical reading, inquiry and research, argumentation, communicating publicly, and collaboration. Students will be working toward the completion of a scholarly research paper of 4,000-5,000 words and a 15-20 minute presentation with oral defense. There is no end-of-course examination administered by the AP College Board; rather, a score is assigned from the culmination of both paper and presentation. This course places great emphasis on academic reading, writing, and presenting. Students are encouraged to seek a consultant in her/his field of interest; however, this is not mandatory and will depend upon the student's research question.

JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

Note: *JROTC cannot be used as a substitute for the health and physical education requirement for graduation.*

ARMY (NHHS)

The high school Army Junior Reserve Officers' Training Corps (AJROTC) program is designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in them self-esteem, teamwork, and self-discipline. AJROTC helps motivate high school students to become better citizens and to prepare students for leadership roles in the school and community. The program promotes graduation and the desire for higher education or military service.

AJROTC includes academic work, drills, ceremonies, and physical fitness. Enrollment is open to all students that are physically able to participate in the school's physical education program. Students enrolled in AJROTC incur no military obligation and all uniforms are provided free of charge. Upon graduation, students may also be considered for advanced rank and additional benefits if enlisting in the U.S. Armed Forces. ROTC scholarships from all uniformed services are available for qualified graduates of the program.

The Army JROTC program also includes the Washington, DC field trip, the annual military ball, participation in local parades, the junior varsity and varsity pellet rifle and drill teams, JROTC Field Day, award ceremonies, and participation in numerous color guard and honor guard ceremonies. The program is designed to allow freshmen and first year students the opportunity to participate in all JROTC activities. Participation does not interfere with other academic programs (such as AVID or Lyceum), sports, band, and or other extracurricular activities.

All students are encouraged to enroll in JROTC I (AR 1) for the fall semester and JROTC I (AR 2) for the spring semester so they may take advantage of all the opportunities provided by this program.

95012X0AR1 * JROTC I

Credit 1 unit *Grade 9 or students not previously enrolled in JROTC*
Prerequisite Meet the enrollment requirements above.

The course is designed to introduce students to Army JROTC. It provides a basic knowledge of leadership, wellness, fitness, first aid, geography, earth science, citizenship, foundations of success and basic individual military skills (drill and ceremony and map reading). Students are required to create personal portfolios, which will be updated throughout their enrollment in JROTC. Students will be taught how to care for and wear the uniform and will have the opportunity to participate in individual drill. Students may elect to become members of the junior varsity drill and pellet rifle teams and letter in these sports.

95012X0AR2 * JROTC I

Credit 1 unit *Grades 9, 10, 11, 12*
Prerequisite Completion of JROTC I (AR 1)

This course provides practical application of basic individual skills developed during the JROTC (AR 1) course. It reinforces instruction received in leadership, wellness, fitness, first aid, geography, earth science, citizenship, and basic military skills (drill and map reading). This course also introduces history of the U.S. Army and the chain of command. Students have the opportunity to compete as members of squad level drill and rifle teams and first year color guards. Students may elect to become members of the varsity drill and pellet rifle teams.

95022X0AR3 * JROTC II

Credit 1 unit *Grades 10, 11, and 12*
Prerequisite Completion of JROTC I (AR 2)

This course is designed to train cadets to be effective squad leaders. Subjects taught include duties and responsibilities of a squad leader and the proper procedures to lead an armed and unarmed squad and intermediate level color guard. The course also provides intermediate leadership theory and application, foundations of success, wellness, fitness, first aid, geography, earth science, citizenship, American history, and military skills.

95022X0AR4 * JROTC II

Credit 1 unit *Grades 10, 11, and 12*

Prerequisite Completion of JROTC II (AR 3)

This course provides practical application of squad leader skills developed during AJROTC II (AR 2). Cadets will be the primary trainers for their squads and will be required to lead their squads during armed and unarmed drill and intermediate color guard competitions. This course also provides practical application at the squad level through case studies of intermediate leadership theory and application, foundations of success, wellness, fitness, first aid, geography, earth science, citizenship, and American history.

95032X0AR5 * JROTC III

Credit 1 unit *Grades 10, 11, and 12*

Prerequisite Completion of JROTC II (AR 4)

This course is designed to train cadets to be effective platoon sergeants and platoon leaders. Subjects taught include duties and responsibilities of a platoon sergeant and a platoon leader and the proper procedures to lead an armed and unarmed platoon and a primary color guard. This course provides working knowledge of ethical reasoning and instruction in leadership and problem solving skills at the platoon level, advanced oral and written communication skills, training methods used to teach basic military subjects, technology advancements, and how leaders, acting as role models, promote wellness and fitness.

95032X0AR6 * JROTC III

Credit 1 unit *Grades 10, 11, and 12*

Prerequisite Completion of AJROTC III (AR 5)

This course provides practical application of platoon sergeant and platoon leader skills developed during AJROTC III (AR 4). Cadets will be the primary trainers for their platoons and be required to lead during armed and unarmed drill and primary color guard competitions. This course also provides practical application at the platoon level of previous ethical reasoning and problem solving, communication, training methods, technology, wellness, and fitness instruction.

95042X0AR7 * JROTC IV

Credit 1 unit *Grades 10, 11, and 12*

Prerequisite Completion of JROTC III (AR 6)

This course is designed to train cadets to be effective company and battalion level leaders. This includes duties and responsibilities of company/battalion leaders and the proper procedures to lead a primary color guard and to conduct company/battalion level formations and ceremonies. This course is also designed to provide working knowledge of ethical reasoning and application of leadership and problem solving skills at the company/battalion level. The course also includes instruction in advanced oral and written communication skills, training methods used to teach basic military subjects, technology, and how leaders, acting as role models, promote wellness and fitness.

95042X0AR8 * JROTC IV

Credit 1 unit *Grades 10, 11, and 12*

Prerequisite Completion of JROTC IV (AR 7)

This course provides practical application of company/battalion level leaders' skills developed during AJROTC 4A. Cadets will be the primary trainers for their companies/battalion and will be required to command their companies and battalions during armed and unarmed drill, primary color guard competitions and company/battalion formations and ceremonies. This course also provides practical application at the company/battalion level of previous ethical reasoning and decision-making, communication skills, training methods, military history, and wellness and fitness instruction.

95045X0AR * HONORS JROTC LEADERSHIP LAB

Credit 1 unit Grades 10, 11, 12

Prerequisite Permission of Senior Army Instructor

The AJROTC Honors Leadership lab provides selected cadets the opportunity to enhance their instructor skills by participating as peer instructors, drill leaders, and battalion staff officers. Cadets will be taught proper methods of instruction and then serve as cadet instructors both in the classroom and in drill field environments. Assigned battalion staff officers will receive instruction in battalion staff duties and responsibilities and be given the opportunity to apply these skills on a daily basis in preparation for the annual formal inspection. Cadets will create and brief the battalion command during the formal inspection. Cadets are expected to participate and be leaders in extracurricular activities (drill, rifle, and color guard teams) and receive grades for this participation. Cadets will receive weighted credit for each unit completed. This course will enable cadets to be more competitive for colleges, military academies, appointments, and JROTC scholarships.

Note: *This course may be repeated for credit.*

NAVY (AHS, JTH)

The Naval Junior Reserve Officer Training Corps (NJROTC) has the following six basic objectives: develop informed and responsible citizens; strengthen positive character traits; help form good habits of self-discipline; promote an understanding of the basic elements and requirements for national security; develop respect for an understanding of the need for constituted authority in a democratic society; and develop skills needed to lead others in a positive and team focused manner toward common goals.

The NJROTC courses include academic work, drill and ceremonies, physical fitness, marksmanship, and leadership training. Enrollment is open to all students that are physically able to participate in the school's physical education program. NJROTC cadet uniforms, insignia, and awards are furnished at no cost to the student.

The NJROTC program includes trips to military facilities and ships, the military ball, annual honors ceremony, and opportunities to compete on several varsity lettering teams, which include armed and unarmed drill, Color Guard, marksmanship, sailing, orienteering, track and field, and sword team.

Students enrolled in the NJROTC program are under no obligation to any military service; however, NJROTC cadets do have an added advantage when competing for college ROTC scholarships or appointments to military service academies. Upon high school graduation, cadets who obtain at least two course credits may also be considered for advanced rank and benefits if enlisting in the U.S. Navy or one of the other uniformed services.

95012X0NA1 * JROTC I

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite Meet the basic enrollment requirements above

Naval Science I (NA1) is the basic introductory course that includes studies in naval customs and courtesies, naval ranks and insignia, leadership and followership, basic navigation, knots, and deck equipment.

95012X0NA2 * JROTC I

Credit 1 unit Grades 9, 10, 11, 12

Prerequisite Completion of NAJROTC I (NA 1)

Naval Science I (NA2) is an in-depth study of the foundations of our government including the Declaration of Independence, the Constitution, and the development of our national defense. The mission of Navy Ships and Naval Aviation are also studied.

95022X0NA3 * JROTC II

Credit 1 unit Grades 10, 11, 12

Prerequisite Completion of NAJROTC I (NA2)

Naval Science II (NA3) is a study in Naval History from early Western Civilization to the present.

95022X0NA4 * JROTC II

Credit 1 unit *Grades 10, 11, 12*
Prerequisite Completion of NAJROTC II (NA3)

Naval Science II (NA4) is a study of Nautical Science, including oceanography, meteorology, astronomy, and physical science.

95032X0NA5 * JROTC III

Credit 1 unit *Grades 10, 11, 12*
Prerequisite Completion of NAJROTC II (NA 4)

Naval Science III (NA5) is a study of Naval knowledge and includes studies in national security, naval operations, military law, and international law and the sea.

95032X0NA6 * JROTC III

Credit 1 unit *Grades 10, 11, 12*
Prerequisite Completion of NAJROTC III (NA 5)

Naval Science III (NA6) is a class in Naval skills and includes studies in ship construction, damage control, shipboard organization, basic seamanship, marine navigation, and naval weapons and aircraft.

95042X0NA7 * JROTC IV

Credit 1 unit *Grades 10, 11, 12*
Prerequisite Completion of NAJROTC III (NA 6)

Naval Science IV (NA7) includes studies in the fundamentals of leadership, group dynamics, theory of motivation and positive leadership techniques.

95042X0NA8 * JROTC IV

Credit 1 unit *Grades 10, 11, 12*
Prerequisite Completion of NAJROTC IV (NA 7)

Naval Science IV (NA8) is a study of the responsibilities and qualities of leadership and of achieving effective communication.

95045X0NA * HONORS JROTC

Credit 1 unit *Grades 10, 11, 12*
Prerequisite *Permission of Senior Naval Instructor*

Cadets enrolled in the Honors Naval Science course will be assigned to key leadership positions in the unit. Management and leadership styles will be researched, studied, and applied to the daily administration of the NJROTC program. Cadets in this class will serve as mentors for underclassmen. Students will plan, organize, staff, and lead the activities of junior cadets. They will train, screen, and recommend for additional responsibility those members assigned to them. The class will develop a Plan of Action and Milestones for various projects, including drill and field meets, community service projects, annual orientation tour, military ball, etc.

Note: *This course may be repeated for credit.*

95042X0NL * NJROTC DRILL AND CEREMONIES LABORATORY

Credit 1 unit *Grades 10, 11, 12*
Prerequisite Completion of JROTC I and *Permission of Senior Naval Instructor*
Co-requisite Enrollment in JROTC II, III, or IV

This lab course will cover all basic drill procedures. Procedures for honors and ceremonies that would apply to both military and civilian protocol are included. In addition to standard military drill under arms, exhibition drill will be taught to enhance the cadet drill team's skills and capabilities.

AIR FORCE (EAL)

The Air Force Junior Reserve Officers' Training Corps (AFJROTC) program is developed to enable students to achieve the following objectives: broad-based knowledge of the aerospace age; an appreciation of the basic elements and requirements for national security; respect for and an understanding of the need for constituted authority in a democratic society; patriotism and an understanding of the student's personal obligation to contribute toward national security; habits of orderliness and precision; a high degree of personal honor, self-reliance, and leadership; knowledge of fundamental aerospace doctrine; a knowledge of and an appreciation for the traditions of the U.S. Air Force; and an interest in a career in the military.

AFJROTC courses are open to all male and female students that are physically able to participate in the school's physical education program. Courses include classroom academics, leadership, discipline, citizenship, management, and drill. Cadets in AFJROTC incur no military commitment. Cadet uniforms, insignia, and awards are provided at no cost to the student.

Visits to military installations are planned for the cadets each year. One visit may include a flight on a military aircraft. Other features of the program include the annual formal military ball, the military dining in/out, and the mid-year and end-of-year awards/honors nights. Students and parents should understand that some after-school activities such as awards ceremonies require mandatory attendance. The opportunity to win a varsity letter as a member of the Drill Team/Color Guard is available. Members completing the AFJROTC program may become eligible for a scholarship or admission to a military academy. Upon graduation, cadets may also be considered for advanced rank and benefits if enlisting in the U.S. armed services.

95012X0AF * JROTC I

Credit 1 unit Grades 9, 10, 11, 12
Prerequisite Meet the enrollment requirements above.

Note: *This course may only be repeated once for credit with instructor approval.*

Journey into Aviation History—This course includes an overview of the development of aerospace activities, familiarization with aircraft from Greek mythology, the preparations for the first flight in powered aircraft, World War I, and World War II. This course also provides an overview of the aerospace activities and familiarization with aircraft usage during the conflicts in Korea, Vietnam, Cuba, and the Persian Gulf. Current events impacting aviation history are reviewed.

95022X0AF * JROTC II

Credit 1 unit Grades 9, 10, 11, 12
Prerequisite Meet the enrollment requirements above.

Note: *This course may only be repeated once for credit with instructor approval.*

Science of Flight—This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. This course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, the effect of the environment on flight is introduced. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation, including map reading, course plotting, and the effects of wind. They also study the human requirements of flight, which focuses on human physiology, including the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

95032X0AF * JROTC III

Credit 1 unit Grades 10, 11, 12
Prerequisite Meet the enrollment requirements above.

Note: *This course may only be repeated once for credit with instructor approval.*

An Introduction to Astronomy explores the history of astronomy from prehistoric times to the present. The sun, earth, and moon system is emphasized. Study includes the solar system, the physical features of the earth and its interior, and the moon and its effect on tides. Other topics include Isaac Newton and the birth of astrophysics.

95042X0AF * JROTC IV

Credit 1 unit Grades 11, 12

Prerequisites Must have successfully completed JROTC I, JROTC II, and JROTC III, received instructor approval, and completed an individual drill evaluation.

Note: *This course may only be repeated once for credit with instructor approval.*

Management of the Cadet Corps includes study of The Principles of Management, the primary course curriculum for this level of cadet. The student's communication, leadership, and management skills are fine tuned. Specific emphasis is placed on public speaking and demonstration of leadership in drill and ceremonies. The course includes competition with other JROTC units from throughout the southeastern United States in precision drill with and without weapons, color guard (four and five persons), manual of arms, and exhibition drill. Students earn special awards, decorations, and recognition to include a Varsity letter for outstanding participation.

95045X0AF * HONORS JROTC IV

Credit 1 unit Grades 11, 12

Prerequisites Must have successfully completed JROTC I, JROTC II, and JROTC III, received instructor approval, and completed an individual drill evaluation.

Note: *This course may only be repeated once for credit with instructor approval.*

Management of the Cadet Corps includes study of The Principles of Management, the primary course curriculum for this level of cadet. The student is assigned a leadership position with the Corps of Cadet and applies leadership techniques in staff meeting preparation, presentation, and flight management. The student instructs basic drill, implements military leadership, and conducts school and community ceremonies employing finely tuned communication skills to influence individual and group behavior using leadership theory. The course includes competition with other JROTC units from throughout the southeastern United States in precision drill with and without weapons, color guard (four and five persons), manual of arms, and exhibition drill. Students earn special awards, decorations, and recognition to include a Varsity letter for outstanding participation.



MATHEMATICS

The Common Core State Standards for Mathematics provide students with the following:

- strong mathematical problem-solving and reasoning abilities.
- a firm grounding in essential mathematical concepts and skills, including computation and estimation.
- connections within mathematics and with other disciplines.
- the ability to use appropriate tools including technology to solve mathematical problems.
- the ability to communicate understanding of mathematics effectively.

The Common Core State Standards for Mathematics specify the mathematics that all students should study in order to be college and career ready. The standards are organized into the following conceptual categories: number and quantity, algebra, functions, modeling, geometry, and statistics and probability.

Note: New State Policy for 2018 -2019 and beyond: *When advanced courses are offered in mathematics, any student scoring a level five on the end-of-grade or end-of-course test for the mathematics course in which the student was most recently enrolled shall be enrolled in the advanced course for the next mathematics course in which the student is enrolled. No student who qualifies under this subsection shall be removed from the advanced or high school mathematics course in which the student is enrolled unless a parent guardian of the student provides written consent for the student to be excluded or removed from that course.*

20902X0A * FOUNDATIONS OF NC MATH 1

Credit 1 unit

Note: *This course provides elective credit only and does not fulfill a graduation requirement for mathematics.*

The Foundations of NC Math 1 curriculum continues a student's study of algebraic concepts, building upon those learned in middle school. The curriculum includes integer operations, number theory, graphs, the concept of variable, the concept of equation and inequality, pattern recognition, proportional reasoning, rate of change, and linear relationships.

Note: *In addition to the face-to-face teacher instruction, this course also embeds Career and College Ready Graduate (CCRG) computer modules that help prepare students for post-secondary education.*

21092X0A * NC MATH 1

Credit 1 unit

Note: *A North Carolina End-of-Course test is administered for this course.*

NC Math 1 formalizes and extends the mathematics students learned in middle school. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

21095X0A * HONORS NC MATH 1

Credit 1 unit

Note: *A North Carolina End-of-Course test is administered for this course.*

The Honors NC Math 1 provides a more in-depth extension of the mathematics students learned in middle school. This course deepens the understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Finally, students will be encouraged to think, write, communicate, and solve real world scenarios at a more rigorous level, while making connections to other subjects

20912X0A * FOUNDATIONS OF NC MATH 2

Credit 1 unit
Prerequisite NC Math 1

Note: *This course provides elective credit only and does not fulfill a graduation requirement for mathematics.*

The Foundations of NC Math 2 curriculum continues a student's study of algebraic and geometric concepts, building upon those learned in middle school and NC Math 1. Students are developing knowledge in new and previously learned topics which include quadratics, exponentials, and systems of equations. New concepts within geometry are introduced including transformations, triangle properties and proofs, and volume and surface area. The student is encouraged to model topics with teacher assistance to think, write, communicate, and solve real world scenarios. This course is taken prior to NC Math 2.

Note: *In addition to the face-to-face teacher instruction, this course also embeds Career and College Ready Graduate (CCRG) computer modules that help prepare students for post-secondary education.*

22092X0A * NC MATH 2

Credit 1 unit
Prerequisite NC Math 1

NC Math 2 continues a student's study of algebraic and geometric concepts building upon middle school topics and NC Math 1. Students are developing knowledge to reach a higher level of understanding in new and previously learned topics, which include quadratics, exponentials, and systems of equations. New concepts within geometry are introduced including transformations, triangle properties and proofs, volume and surface area, and trigonometry. Additionally, students are engaging in topics where they are encouraged to think, write, communicate, and solve real world scenarios, which includes making connections to other subjects.

22095X0A * HONORS NC MATH 2

Credit 1 unit
Prerequisite NC Math 1

Honors NC Math 2 demands a more challenging approach to the student's study of mathematical concepts. Students are expected to use their prior knowledge from NC Math 2 to reach a high level of knowledge in new and previously engaged topics, which include quadratics, exponentials, and systems of equations. New concepts within geometry are introduced including transformations, triangle properties and proofs, volume and surface area, and trigonometry. In addition, students are expected to model topics where they are encouraged to think, write, communicate, and solve real world scenarios, which includes making connections to multiple other subject areas.

20922X0A * FOUNDATIONS OF NC MATH 3

Credit 1 unit
Prerequisites NC Math 1 and NC Math 2

Note: *This course provides elective credit only and does not fulfill a graduation requirement for mathematics.*

The Foundations of NC Math 3 course continues a student's study of advanced algebraic and geometric concepts including the use of geometric and algebraic properties of figures to solve problems, systems of functions, and inequalities. Reasoning skills and modeling are emphasized.

23092X0A * NC MATH 3

Credit 1 unit
Prerequisites NC Math 1 and NC Math 2

Note: *A North Carolina End-of-Course test is administered for this course.*

NC Math 3 continues a student's study of advanced algebraic concepts including functions, polynomials, and geometric concepts including functions, geometric constructions, systems of functions, inequalities, trigonometry, and inferential statistics. Students describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Emphasis is placed on practical applications and modeling.

23095X0A * HONORS NC MATH 3

Credit 1 unit

Prerequisites NC Math 1 and NC Math 2

Note: A North Carolina End-of-Course test is administered for this course.

Honors NC Math 3 continues a student's study of advanced algebraic concepts including functions, polynomials, and geometric concepts including functions, geometric constructions, systems of functions, inequalities, trigonometry, and inferential statistics. Students describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. Emphasis is placed on practical applications, modeling, and a more in-depth analysis of functions and relations.

24092X0A * NC MATH 4

Credit 1 unit

Prerequisite NC Math 3

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

Note: In addition to the face-to-face teacher instruction, this course also embeds Career and College Ready Graduate (CCRG) computer modules that help prepare students for post-secondary education.

24095X0A * HONORS NC MATH 4

Credit 1 unit

Prerequisite NC Math 3

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

24012X0A * DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

Credit 1 unit

Prerequisite NC Math 3

The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses.

Note: In addition to the face-to-face teacher instruction, this course also embeds Career and College Ready Graduate (CCRG) computer modules that help prepare students for post-secondary education.

24015X0A * HONORS DISCRETE MATHEMATICS COMPUTER SCIENCE

Credit 1 unit
Prerequisite NC Math 3

The purpose of this course is for students to get an in-depth dive into the discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared to engage in rigorous college level algebra, statistics, and discrete mathematics courses.

20132X0A * COLLEGE READY MATH

Credit 1 Unit

Note: *This course will count as a fourth math graduation credit for entry into a Community College but does **NOT** count as a 4th-level math course that meets UNC System requirements for admission. Placement in this course requires approval from a school counselor.*

This course is a survey of the fundamental skills required for freshman level/gateway college math courses. Demonstration of mastery of these skills in the course permits the student to have higher placement in community college courses and better preparation for university courses. The course topics include number sense, graphing, functions, geometry, statistics, and trigonometry.

24035X0A * HONORS PRE-CALCULUS

Credit 1 Unit
Prerequisite NC Math 3, Discrete Math or Advanced Functions and Modeling

Pre-calculus provides students an honors-level study of trigonometry, advanced functions, analytic geometry, and data analysis in preparation for calculus. Applications and modeling are included throughout the course.

28005X0D2 * HONORS CALCULUS

Credit 1 Unit
Prerequisite NC Math 3, Discrete Math or Advanced Functions and Modeling

Note: *This course provides elective credit only and does not fulfill a graduation requirement for mathematics.*

Honors calculus is designed to give students a rigorous overview of calculus topics such as limits, derivatives, anti-derivatives, integrals and differentials.

2A007X0A * ADVANCED PLACEMENT CALCULUS AB

Credit 1 unit
Prerequisite Pre-calculus

Advanced Placement calculus AB covers topics in analytic geometry and functions, limits, continuity, derivatives and their applications, and anti-derivatives and integrals and their applications. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP Calculus AB examination is designed, administered, and graded by the College Board.

2A017X0A * ADVANCED PLACEMENT CALCULUS BC

Credit 1 unit
Prerequisite AP Calculus AB

Advanced Placement Calculus BC covers all of the topics in Advanced Placement Calculus AB plus parametric, vector, and polar functions, Euler's Method, L'Hopital's Rule, integration by parts and by partial fractions, improper integrals, logistic differential equations, polynomial approximations, and series. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP Calculus BC examination is designed, administered, and graded by the College Board.

2A037X0A * ADVANCED PLACEMENT STATISTICS

Credit 1 unit

Prerequisite NC Math 3, Advanced Functions and Modeling, Discrete Math, or Pre-calculus

The topics for Advanced Placement Statistics are divided into four major themes: explorative analysis, planning a study, probability, and statistical inference. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP statistics examination is designed, administered, and graded by the College Board.

SCIENCE

The North Carolina Science Essential Standards serve as a curricular framework for effective science education. Engaging students in inquiry-based instruction is a critical way of developing conceptual understanding of the science content that is vital for success in the twenty-first century. The process of scientific inquiry, experimentation and technological design should not be taught nor tested in isolation of the core concepts drawn from physical science, earth science and life science. A seamless integration of science content, scientific inquiry, experimentation and technological design will reinforce in students the notion that "what" is known is inextricably tied to "how" it is known. A well-planned science curriculum provides opportunities for inquiry, experimentation and technological design. Teachers should provide opportunities for students to engage in "hands-on/minds-on" activities that are exemplars of scientific inquiry, experimentation, scientific literacy and technological design.

Science as Inquiry

Traditional laboratory experiences provide opportunities to demonstrate how science is constant, historic, probabilistic, and replicable. Although there are no fixed steps that all scientists follow, scientific investigations usually involve collections of relevant evidence, the use of logical reasoning, the application of imagination to devise hypotheses, and explanations to make sense of collected evidence. Student engagement in scientific investigation provides background for understanding the nature of scientific inquiry. In addition, the science process skills necessary for inquiry are acquired through active experience. The process skills support development of reasoning and problem-solving ability and are the core of scientific methodologies.

35012X0A * EARTH/ENVIRONMENTAL SCIENCE

Credit 1 unit

Earth/environmental science introduces the student to the function and the impact of human interactions on the earth's geological and environmental systems. Through lab experiences, students analyze and examine scientific evidence about issues relevant to the earth. Emphasis is placed on problem solving and reliance on evidence to promote learning in an investigative-based, issue-oriented science course. Topics covered include matter, energy, plate tectonics, origin and evolution of the earth and solar system, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth system.

35015X0A * HONORS EARTH/ENVIRONMENTAL SCIENCE

Credit 1 Unit

Honors Earth and environmental science is a rigorous curriculum designed to allow motivated students to conduct an in-depth study of the Earth/Environmental Science course. Students are expected to work independently and at a faster pace on a variety of assignments and accept greater responsibility for their learning. Additional topics will be added for enrichment. Students will be required to perform out-of-class projects as well as increased lab work.

33202X0A * BIOLOGY

Credit 1 unit

Recommended Prerequisite Earth/Environmental Science

Note: A North Carolina End-of-Course test is administered for this course.

This course provides opportunities for students to gain an understanding of the fundamental principles related to living things. The major objective is to introduce students to the living world as well as its interactions with the non-living world. Important topics include the physical, chemical, and cellular basis of life; continuity of life (genetics); the changes in organisms over time (biological evolution); unity and diversity of life (the five kingdoms); ecological relationships among organisms (ecology); and organism behavior.

33205X0A * HONORS BIOLOGY

Credit 1 unit

Recommended Prerequisite Earth/Environmental Science

Note: A North Carolina End-of-Course test is administered for this course.

Honors biology is designed to give the student a more challenging and in-depth experience of the North Carolina Standard Course of Study in biology. In honors biology, students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In addition to the Standard Course of Study goals and objectives, students are expected to design and carry out several independent investigations of biological questions, read and report on recent research in biology, and demonstrate a more in-depth conceptual understanding of all biology objectives.

34102X0A * PHYSICAL SCIENCE

Credit 1 unit

Recommended Prerequisite Earth/Environmental Science

Physical science introduces chemistry and physics and provides an understanding of the interactions of matter and energy. Through lab experiences, students collect and mathematically analyze data involving the classes of matter, chemical equations, Newton's Laws, thermodynamics, light, electricity, nuclear energy, and scientific technology.

34202X0A * CHEMISTRY

Credit 1 unit

Recommended Prerequisite Biology

Recommended Corequisite NC Math 3

Chemistry encourages students to continue their investigation of the structure of matter along with chemical reactions and the conservation of energy in these reactions. The course focuses on basic chemical concepts and incorporates activities that promote investigations to reinforce the concepts. Topics covered include a detailed study of matter and its changes, atomic theory, bonding, formula writing, general and acid/base reactions, gas behavior, solutions, heat, and nuclear chemistry.

34205X0A * HONORS CHEMISTRY

Credit 1 unit

Recommended Prerequisite Honors Biology

Recommended Corequisite Honors NC Math 3

Honors chemistry is an accelerated comprehensive laboratory course designed to give students a more conceptual and in-depth understanding of the concepts in the North Carolina Standard Course of Study in chemistry. In honors chemistry students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. The course includes the additional honors objectives and an in-depth study of enrichment topics. Students design and complete at least one in-depth independent study of chemistry-directed questions. Strong mathematical connections are integrated and include operating with algebraic expressions to solve problems using direct, inverse, combined, and joint variation; using logarithms and exponents to solve problems; and describing graphically, algebraically, and verbally real-world phenomena as functions.

34302X0A * PHYSICS

Credit 1 unit

Recommended Prerequisite NC Math 3

Physics uses the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy. The following topics are explored: motion, forces, heat, waves, optics, electricity, and magnetism.

34305X0A * HONORS PHYSICS

Credit 1 unit

Recommended Prerequisite NC Math 3

Honors physics uses the North Carolina Standard Course of Study for physics as a foundation for more challenging and rigorous study that broadens the student's view of the larger physics community including current research. Substantial class time is devoted to student-directed exploration and experimentation. In honors physics, students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. The course includes an in-depth study of enrichment topics. Strong mathematical connections are integrated and include operating with algebraic expressions to solve trigonometric functions; using exponents to solve problems; and describing graphically, algebraically, and verbally real-world phenomena as functions.

34315X0A * HONORS PHYSICS II (AP Physics Prep)

Credit 1 unit

Recommended Prerequisite Honors Physics or Honors Chemistry

This course prepares students for advanced placement physics and covers both classical and modern physics. The basic mathematical concepts are introduced in connection with physical concepts such as acceleration and work. Other topics include mechanics, motion, waves, and optics.

3A057X0A * ADVANCED PLACEMENT PHYSICS 1: Algebra-based

Credit 1 unit

Corequisite NC Math 3 or equivalent

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. No prior coursework in physics is necessary.

In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP Physics 1 examination is designed, administered, and graded by the College Board.

3A067X0A * ADVANCED PLACEMENT PHYSICS 2: Algebra-based

Credit 1 unit

Prerequisite Advanced Placement Physics 1

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices, while developing critical thinking and reasoning skills.

In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP Physics 2 examination is designed, administered, and graded by the College Board.

3A047X0A * ADVANCED PLACEMENT PHYSICS C: MECHANICS

Credit 1 unit

Corequisite AP Calculus and AP Physics 1

Advanced Placement Physics C: Mechanics forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The course provides instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP examination is designed, administered, and graded by the College Board.

3A037X0A * ADVANCED PLACEMENT PHYSICS C: ELECTRICITY AND MAGNETISM

Credit 1 unit
Corequisite AP Calculus

Advanced Placement Physics C: Electricity and Magnetism provides instruction in each of the following five content areas: electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP Physics examination is designed, administered, and graded by the College Board.

33215X0A * HONORS BIOLOGY II (AP Biology Prep)

Credit 1 unit
Prerequisites Biology, Chemistry
Recommended Prerequisites Honors Biology, Honors Chemistry

This course prepares the student for advanced placement biology and covers biochemistry, cell structure and function, metabolism, cellular respiration, photosynthesis, cell division, genetics, and evolution.

3A007X0A * ADVANCED PLACEMENT BIOLOGY

Credit 1 unit
Prerequisite Honors Biology II (AP Biology Prep) and Chemistry

Advanced placement biology is designed to be equivalent to an introductory college-level biology course. It covers the diversity of organisms, structures and functions of plants and animals, and ecology. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP biology examination is designed, administered, and graded by the College Board.

30205X0A * SPECIAL INTEREST SCIENCE (HONORS BIOTECHNOLOGY) (JTH)

Credit 1 unit
Prerequisite Biology

This course includes an in depth investigation of the scientific method, biochemistry, and biotechnology as it relates to our natural world in the 21st century. Numerous laboratory exercises are included. Techniques of biochemistry and ethical issues related to current DNA technology provide the main focus of the curriculum.

34215X0A * HONORS CHEMISTRY II (AP Chemistry Prep)

Credit 1 unit
Recommended Prerequisites Honors Chemistry and Honors NC Math 3
Prerequisites Chemistry and NC Math 3

This course prepares the student for Advanced Placement Chemistry and covers atomic theory, stoichiometry, reaction types, gases, thermochemistry, periodicity, bonding, and solutions. There will be a strong emphasis on the mathematical treatment of matter and its reactions.

3A017X0A * ADVANCED PLACEMENT CHEMISTRY

Credit 1 unit
Prerequisite Honors Chemistry II (AP Chemistry Prep)

Advanced placement chemistry is designed to be equivalent to an introductory college-level chemistry course that has a strong emphasis on laboratory work. It follows the same format as honors chemistry II and covers kinetics, equilibrium and its applications, acid-base theory, reaction spontaneity, and electrochemistry. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP chemistry examination is designed, administered, and graded by the College Board.

3A027X0A * ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

Credit 1 unit

Recommended Prerequisites Earth/Environmental Science, Biology and a physical science

Advanced placement environmental science is designed to be equivalent to an introductory college-level environmental science course. This integrated course includes the study of biology, geology, geography, physics, and chemistry. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP examination is designed, administered, and graded by the College Board.

35362X0A * OCEANOGRAPHY

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and a physical science

Oceanography examines all physical aspects of the marine environment including winds, waves, currents, chemical oceanography, and geologic features under the sea. Fieldwork, dissections and laboratory analyses are integral parts of this course.

35365X0A * HONORS OCEAN SCIENCE

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and a physical science

Honors Ocean Science examines all aspects of the marine environment, including life in the sea, winds, waves, tides, and currents, chemical oceanography, aquarium care and maintenance, and geological features under the sea. Fieldwork, laboratory analysis, and student projects are required to fulfill course expectations.

35355X0A * HONORS MARINE BIOLOGY

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and a physical science

Honors Marine Biology focuses on the life in our oceans. Topics include oceanographic careers, aquarium care and maintenance, anatomy and physiology of marine organisms, behavior relationships, marine fisheries, habitat analysis, and explorations in marine technology. Dissections and field work are an integral part of the course. An importance is placed on writing skills in all laboratory and field reports.

33302X0A * ANATOMY AND PHYSIOLOGY

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and a physical science

Anatomy and physiology is designed to explore the structure and function of human organ systems. Topics covered include the identification of body parts, the function of the organs and systems, and the diseases and malfunctions of organs and organ systems. Laboratory exercises are an integral part of this course. This course is highly recommended for students wanting to pursue a career in a medical field.

33305X0A * HONORS ANATOMY AND PHYSIOLOGY

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and Chemistry

Honors anatomy and physiology is designed to explore the structure and function of human organ systems. Topics covered include the identification of body parts, the function of the organs and systems, and the diseases and malfunctions of organs and organ systems. Laboratory exercises are an integral part of this course. In honors anatomy and physiology students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. This course is highly recommended for students wanting to pursue a career in a medical field.

35402X0A * ASTRONOMY

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and a physical science

Students study topics relating to stars, planets, galaxies, and other natural phenomena that make up the vast universe in which we live. The course covers the pure science of astronomy and expands on exploration and technologies of space science as well.

33495X0A * HONORS NC WILDLIFE

Credit 1 unit

Prerequisites Earth/Environmental Science, Biology and a physical science

This course is designed to acquaint students with NC animals. Topics covered include feeding methods, survival techniques, social behavior, mating habits, population distribution, and laws governing hunting and fishing.

95755X0295 * OCN 150 - INTRO TO OCEANOGRAPHY (Ashley Marine Science Academy Only)

Credit 1 Unit

Prerequisites Acceptance into Marine Science Academy

Note: In addition, students must complete 10 internship hours and 2 UNCW labs each semester.

An introduction to the geology, physics, chemistry, and biology of the ocean; instruments and techniques of oceanography; resources of the ocean.

95755X0210 * BIO 170 - BIOLOGY OF THE SEA - (Ashley Marine Science Academy Only)

Credit 1 Unit

Prerequisites Honors Intro Oceanography – Marine Science Academy

Note: In addition, students must complete 10 internship hours and 2 UNCW labs each semester.

Introduction to marine environments, the diversity of marine life, and the role of humans in the utilization of marine resources. Study of local marine habitats, including salt marshes, sandy beaches, tidal flats and rocky shores.

30205X0A2 * HONORS FORENSICS (Ashley High School)

Credit 1 Unit

Prerequisites Chemistry or Honors Chemistry

Forensic Science is the application of science to criminal and civil laws that are enforced by police agencies in a criminal justice system. It is a comprehensive subject incorporating Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology as well as other aspects of Science. Major topics include processing a crime scene, collecting and preserving evidence, identifying types of physical evidence, organic and inorganic analysis of evidence, hair, fibers, and paint, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis. Students will be exposed to a strong inquiry lab component and should be ready to analyze and report data.

SOCIAL STUDIES

Social Studies requirements for students first entering high school between 2015-2016 through 2019-2020:

- World History
- Civics and Economics or Civic Literacy
- American I and/or American II, American History, or AP U.S. History
- Social Studies Elective (if both American History courses were not taken)

Social Studies requirements for students first entering high school between 2020-2021 and beyond:

- World History
- Civics and Economics or Civic Literacy
- American History I, or American History II, or American History or AP U.S. History
- Economics and Personal Finance (EPF)

The social studies curriculum provides students with learning experiences that enable them to gain the knowledge and skills necessary for becoming effective participants in a democratic society. Courses at the high school level include the disciplines of history, political science, economics, geography, and psychology. Through social studies courses, students gain an understanding of democratic ideals and the benefits of the free enterprise system; an appreciation of the contributions of different races, religions, and cultures to the American way of life; and a respect for the rights and values of others.

Note:

With the implementation of the new social studies Essential Standards, the sequencing for the social studies courses has been left up to each individual high school. Check with your school counselor for your school's specific social studies sequencing.

43032X0A * WORLD HISTORY

Credit 1 unit

World history is a survey course that gives students the opportunity to explore recurring themes of human experience common to civilizations around the globe from ancient to contemporary times. World history examines the world chronologically and thematically, focusing on the historical development of phenomena, the rise and fall of civilizations and their unique contributions to humanity, and the universal elements these civilizations have in common throughout time. The application of the themes of geography and an analysis of the cultural traits of civilizations help students understand how people shape their world and how their world shapes them. 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. World history provides the foundation that enables students to acquire this knowledge that is used in the study of civics and economics and United States history.

43035X0A * HONORS WORLD HISTORY

Credit 1 unit

In addition to the content described in world history, this course requires students to take a greater responsibility for their learning by participating in problem-seeking and problem-solving, critical analysis and application, and reflective thinking. This course emphasizes argumentative writing and presentations to reflect higher-order thinking skills required to defend ideas generated through the study of content.

4A087X0A * ADVANCED PLACEMENT WORLD HISTORY - MODERN

Credit 1 unit *Grades 9, 10, 11, 12*

Recommended Prerequisites World History or Honors World History

Note: *AP World history can be substituted in the place of World history or Honors World history.*

The Advanced Placement world history course focuses on information from the Renaissance to present day and stresses critical thinking and development of an informed written argument. Students analyze primary and secondary sources to acquire a greater understanding of the development of global processes –change, continuity, and impact on world structures. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP world history examination is designed, administered, and graded by the College Board.

42092X0A * THE FOUNDING PRINCIPLES, CIVICS, AND ECONOMICS

Credit 1 unit

Through the study of The Founding Documents and civics & economics, students examine political, governmental, and legal topics that engage them in examining the legal and political systems of our society and its basic economic institutions. This course begins with the historical foundations of civil, political, and economic activism that created our nation, state, and local government. Knowledge gained from civics and economics empowers students to become politically and economically active and responsible citizens of the global society. At least 50% of the course content in American History: The Founding Principles, Civics, and Economics” will pertain to The Founding Principles.

42095X0A * HONORS THE FOUNDING PRINCIPLES, CIVICS, AND ECONOMICS

Credit 1 unit

Honors Founding Principles, civics & economics covers the material delivered in a standard Founding Principles, civics & economics course with greater complexity, novelty, and acceleration. Honors students learn to express and defend their ideas while attaining the distance necessary to accept constructive criticism. Opportunities are provided for students to facilitate their own learning as they become reflective thinkers and writers. At least 50% of the course content in American History: The Founding Principles, Civics, and Economics” will pertain to The Founding Principles.

43182X0A * FOUNDING PRINCIPLES OF AMERICA AND NC: CIVIC LITERACY

Credit 1 unit

Note: The NC State Board of Education has offered some scheduling flexibility with this course – please see a school counselor if you have any questions. **Not Offered until 2021-2022**

Through the study of The Founding Documents of both national and state governments, students examine political, governmental, and legal topics that engage them in examining the legal and political systems of our society and its basic institutions. This course begins with the historical foundations of civil, political, and economic activism that created our nation, state, and local government. Knowledge gained from civics empowers students to become politically active and responsible citizens of the global society.

43185X0A * HONORS FOUNDING PRINCIPLES OF AMERICA AND NC: CIVIC LITERACY

Credit 1 unit

Note: The NC State Board of Education has offered some scheduling flexibility with this course – please see a school counselor if you have any questions. **Not Offered until 2021-2022**

Through the study of The Founding Documents of both national and state governments, students examine political, governmental, and legal topics that engage them in examining the legal and political systems of our society and its basic institutions. This course begins with the historical foundations of civil, political, and economic activism that created our nation, state, and local government. Knowledge gained from civics empowers students to become politically active and responsible citizens of the global society.

43192X0A * ECONOMICS AND PERSONAL FINANCE (EPF)

Credit 1 unit (This course is mandatory for students entering high school in the 2020 – 2021 and beyond)

The Economic and Personal Financial Literacy standards are intended to provide students with an understanding of the role economic factors play in making economic decisions, the ability to reason logically about key economic issues and the knowledge and skills needed to manage personal financial resources effectively for lifetime financial security. The economics standards will focus on basic economic concepts and terminology and the roles of business, labor, the government, and the consumer upon the economy. The Personal Finance standards will focus on understanding and managing personal banking, credit cards, loans, home mortgages, accessing & understanding credit reports, and paying for postsecondary education.

43195X0A * HONORS ECONOMICS AND PERSONAL FINANCE (EPF)

Credit 1 unit (This course is mandatory for students entering high school in the 2020 – 2021 and beyond)

The Economic and Personal Financial Literacy standards are intended to provide students with an understanding of the role economic factors play in making economic decisions, the ability to reason logically about key economic issues and the knowledge and skills needed to manage personal financial resources effectively for lifetime financial security. The economics standards will focus on basic economic concepts and terminology and the roles of business, labor, the government, and the consumer upon the economy. The Personal Finance standards will focus on understanding and managing personal banking, credit cards, loans, home mortgages, accessing & understanding credit reports, and paying for postsecondary education. Honors EPF covers the material delivered in a standard American History course with greater complexity, novelty, and acceleration.

43042X0A * AMERICAN HISTORY I

Credit 1 unit (For students entering high school in the 2012 – 2013 school year)

American History I: The Founding Principles is a historical, cultural, political, geographic, and economic study of the United States from the late 1400s to the end of the Reconstruction Period in 1877.

43045X0A * HONORS AMERICAN HISTORY I

Credit 1 unit (For students entering high school in the 2012 – 2013 school year)

Honors American History I covers the material delivered in a standard American History course with greater complexity, novelty, and acceleration. This course provides the opportunity for advanced work, rigorous academic study, and the practical application of major ideas and concepts found throughout the standard course of study.

43052X0A * AMERICAN HISTORY II

Credit 1 unit (For students entering high school in the 2012 – 2013 school year)

Recommended Prerequisite American History I

American History II is a historical, cultural, political, geographic, and economic study of the United States from 1877 to present day.

43055X0A * HONORS AMERICAN HISTORY II

Credit 1 unit (For students entering high school in the 2012 – 2013 school year)

Recommended Prerequisite American History I

Honors American History II covers the material delivered in the standard American History II course with greater complexity, novelty, and acceleration. This course provides the opportunity for advanced work, rigorous academic study, and the practical application of major ideas and concepts found throughout the standard course of study.

43112X0A * AMERICAN HISTORY

Credit 1 unit

Recommended Prerequisite

Note: The NC State Board of Education has offered some scheduling flexibility with this course – please see a school counselor if you have any questions. **Not Offered until 2021-2022**

The study of American history is designed as a survey course that begins in 1754, with the start of the French and Indian War and goes to present-day. The focus of this course provides students with a framework for studying political, social, economic, and cultural issues, and for analyzing the impact these issues have on American society.

43115X0A * HONORS AMERICAN HISTORY

Credit 1 unit

Recommended Prerequisite

Note: The NC State Board of Education has offered some scheduling flexibility with this course – please see a school counselor if you have any questions. **Not Offered until 2021-2022**

The study of American history is designed as a survey course that begins in 1754, with the start of the French and Indian War and goes to present-day. The focus of this course provides students with a framework for studying political, social, economic, and cultural issues, and for analyzing the impact these issues have on American society. Honors American History covers the material delivered in the standard American History course with greater complexity, novelty, and acceleration. This course provides the opportunity for advanced work, rigorous academic study, and the practical application of major ideas and concepts found throughout the standard course of study.

4A077X0A * ADVANCED PLACEMENT UNITED STATES HISTORY

Credit 1 unit *Grades 10, 11, 12*

Recommended Prerequisites American History I and II and World History and Civics & Economics

Note: *For students beginning high school in the 2012-2013 school year, Advanced Placement United States History may be substituted in the place of American History I and American History II. However, students will receive only one academic credit for AP US History. Students electing to take AP US History instead of American History I and II will need to take one additional social studies elective in order to fulfill the state requirement of four social studies credits to graduate. An additional social studies AP course can be taken to fulfill this requirement.*

Advanced Placement United States history covers the entire spectrum of US history from the arrival of Native Americans to the present. It is designed to provide students with the analytical skills necessary to deal critically with the topics and issues in United States history. Students analyze historical materials, generate their own ideas, and evaluate those of others. The AP United States history course develops the skills necessary to arrive at conclusions, make informed judgments, and clearly present evidence in a persuasive essay format. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP United States history examination is designed, administered, and graded by the College Board.

4A017X0A * ADVANCED PLACEMENT EUROPEAN HISTORY

Credit 1 unit

Recommended Prerequisites Honors World History

The AP European history course consists of an in-depth analysis of European civilization from the late Middle Ages to the present. The course covers economic, social, cultural, intellectual, political, and diplomatic themes in European history. Coursework consists of class discussions, research reports, independent studies, and seminars. Students are expected to develop analytical thinking and persuasive writing skills in dealing with historical evidence and interpretation. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP European history examination is designed, administered, and graded by the College Board.

4A067X0A * ADVANCED PLACEMENT GOVERNMENT AND POLITICS: UNITED STATES (Advanced Placement United States Government and Politics)

Credit 1 unit *Grades 10, 11, 12*
Recommended Prerequisites Honors Civics and Economics

Advanced Placement American Government provides students with an intellectual foundation for observing, analyzing, and understanding national politics in the United States. Using primary and secondary source documents, students examine and evaluate the institutions of American government, political parties and elections, mass media, political behavior, public policies, and the development of individual rights and liberties and their impact on citizens. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP American Government examination is designed, administered, and graded by the College Board.

4A007X0A * ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS (AHS)

Credit 1 unit *Grades 11, 12*
Recommended Prerequisites Honors Civics and Economics

The Advanced Placement course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP examination is designed, administered, and graded by the College Board.

4A027X0A * ADVANCED PLACEMENT HUMAN GEOGRAPHY (NHHS, LHS)

Credit 1 unit *Grades 10, 11, 12*
Prerequisites World History

The AP Human Geography course will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP examination is designed, administered, and graded by the College Board.

44032X0A * PSYCHOLOGY

Credit 1 unit *Grades 10, 11, 12*

Psychology engages students in the understanding, articulation, and dissemination of psychology as a science. This course focuses on the scientific study of human development, learning, motivation, and personality. It emphasizes the empirical examination of behavior and mental processes; and it infuses perspectives fostering students' growth, development, and understanding of cultural diversity. Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior.

44035X0A * HONORS PSYCHOLOGY (AHS)

Credit 1 unit *Grades 10, 11, 12*
Recommended Prerequisites Psychology

Honors Psychology covers the material delivered in a standard Psychology course with greater complexity, novelty, and acceleration. This course provides the opportunity for advanced work, rigorous academic study, and the practical application of major ideas and concepts found throughout the standard course of study.

4A057X0A * ADVANCED PLACEMENT PSYCHOLOGY(EAL, AHS, NHHS)

Credit 1 unit *Grades 10, 11, 12*

Recommended Prerequisites Psychology

Advanced Placement psychology is designed to introduce students to the systematic and scientific study of human and animal development, behavior, learning, motivation, and personality. Students are exposed to the psychological facts, principles, and phenomena associated with psychology. They also learn about the ethics and methods psychologists use in their science and practice. The study of psychology also enables students to recognize and cope with uncertainty and ambiguity in human behavior. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP psychology examination is designed, administered, and graded by the College Board.

48002X0A & 48005X0A1 * CURRENT AFFAIRS AND ISSUES

Credit 1 unit

Current affairs and issues focuses on controversial and challenging topics facing the leaders and citizens of the world. Students utilize various social studies methodologies from geography, sociology, anthropology, psychology, political science, and economics to practice critical thinking and facilitate the use of many perspectives needed to address complex problems or questions.

46012X0A * AFRICAN AMERICAN STUDIES

Credit 1 unit *Grades 10, 11, 12*

This course traces the roles of African Americans in the history of the United States by discussing and analyzing their contributions to history, literature, and culture.

43092X0A * TURNING POINTS IN AMERICAN HISTORY

Credit 1 unit *Grades 10, 11, 12*

This course emphasizes, in greater depth, 10-15 key turning points in American History. These turning points would be "hinge" events in our nation's history, caused by, and subsequently contributing to, major social, cultural, political, and/or economic events. The intention is to cover important events in American History that do not usually get in-depth coverage in survey courses.

46072X0A * AMERICAN HUMANITIES

Credit 1 unit *Grades 9, 10, 11, 12*

The humanities can be described as the study of the various ways in which people, from every period of history, process and document the human experience. Since humans have been able, we have used history, literature, religion, philosophy, art, music, and language to understand and record our world. Thus, the humanities are the integrated study of the ideas and values inherent in human existence. Humanities demonstrate the way that human beings historically create and share meaning as individuals, as communities, cultures, and across cultures through what they document and produce. The integrated study of the humanities offers content and skills necessary for an engaged citizenship and humanity.

WORLD LANGUAGES

The ability to communicate with others is central to human nature. Throughout the ages, humans have been able to share information, interests, needs, and values over time and space and, thus, have influenced others by their actions and their words. In recent years, existing and emerging technologies have brought the world closer and have erased many of the existing borders. As boundaries between countries are being dissolved, the need for foreign language instruction has become a necessary component for linking with the rest of the world and for producing an enlightened citizenship able to function in today's ever-shrinking world.

In addition to the need for communication within a global world, the study of a foreign language is needed to ensure economic competitiveness, to maintain national security, and to teach tolerance and respect for others inside and outside of the United States.

Finally, research has shown that learning a foreign language can lead to higher scores on standardized tests (reading, math, SAT), greater cognitive development in the areas of mental flexibility, creativity, divergent thinking and higher-order thinking skills, a broader English vocabulary, a better understanding of one's own language and culture, and enhanced career opportunities.

Note: *All world language courses are now proficiency based. This means a student, based on their command of the target language, could enroll in a higher level language course without going through the beginning levels. Please see your school counselor and world language department chair for more information.*

Spanish for Native English Speakers

Spanish I
Spanish II
Spanish III
Spanish IV
AP Spanish Language and Culture

Spanish for Native Speakers

Heritage Spanish I
Heritage Spanish II
Spanish IV
AP Spanish Language and Culture

11412X0A * SPANISH I

Credit 1 unit

Spanish I provides an introduction to the study of the Spanish language and culture. Emphasis is placed on the development of listening, speaking, reading, and writing skills and the application of the language to real-life situations.

11422X0A * SPANISH II

Credit 1 unit

Prerequisite Spanish I and/or demonstrated proficiency

Spanish II provides students with opportunities to continue the development of listening, speaking, reading, and writing skills. Students participate in simple oral conversational situations using past and present tense. They create compositions which narrate, describe, compare, and summarize familiar topics from the Spanish culture. Focus is placed on understanding main ideas.

11435X0A * HONORS SPANISH III

Credit 1 unit

Prerequisite Spanish II and/or demonstrated proficiency

Honors Spanish III provides students with additional opportunities to expand their listening, speaking, reading, and writing skills using short literary texts, authentic materials, and media on relevant topics. Students identify main ideas and significant details in discussions, presentations, and written texts within a cultural context. In addition, they are introduced to Spanish literature through the study of some of the best-known authors of Spain and Latin America.

11445X0A * HONORS SPANISH IV

Credit 1 unit

Prerequisite Spanish III and/or demonstrated proficiency

Honors Spanish IV is intended for students who have chosen to further develop their proficiency in Spanish listening, speaking, reading, and writing skills with some emphasis on literature, cultural topics, and current events. Students who enroll should have reasonable proficiency in all skills of the Spanish language.

11455X0A * HONORS SPANISH V

Credit 1 unit

Prerequisite Spanish IV and/or demonstrated proficiency

Emphasis is placed on Spanish literature, art, history, culture, and current events with oral and written discussion. Students continue the study of advanced grammar and advanced vocabulary. Oral conversation is stressed with the aid of native speakers, when possible.

1A087X0A * ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE (NHHS)

Credit 1 unit

Prerequisite Spanish IV and/or demonstrated proficiency

Students will develop their speaking, listening, reading, and writing proficiency in Spanish. The AP Spanish Language curriculum requires that the student be able to write a well developed essay in Spanish and discuss a variety of topics in Spanish. The course will incorporate a rich and varied selection of literary texts, historical and cultural readings, periodical readings, and films. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP examination is designed, administered, and graded by the College Board.

9605X0AS * HONORS SPANISH I FOR HERITAGE SPEAKERS

Credit 1 unit

Note: *Placement in this course requires approval from a school administrator, a world language teacher, and a counselor.*

This course is designed specifically for students that have been in the Spanish immersion program or are native/heritage speakers of Spanish that already have oral language proficiency. The purpose of this course is to enable students to develop, maintain, and enhance proficiency in the Spanish language and culture by providing them the opportunity to listen, speak, read, and write in a variety of contexts.

11505X0A * HONORS SPANISH II FOR HERITAGE SPEAKERS (NHHS)

Credit 1 unit

Prerequisite Honors Spanish I for Heritage Speakers or placement

Note: *Placement in this course requires approval from a school administrator, a world language teacher, and a counselor.*

This course is designed specifically for students that have been in the Spanish immersion program or are native/heritage speakers of Spanish that already have oral language proficiency. Spanish for Native Speakers II is designed to prepare students with the 21st Century skills in literacy, cultural connections and comparisons, and technology. Students will continue to develop language skills, as they focus on cultural and grammatical applications that are necessary for advancing their mastery of the Spanish language.

*** HONORS SERVICE LEARNING IN SPANISH (NHHS)**

Credit 1 unit

Prerequisite Honors Spanish II for Heritage Speakers or placement

Note: *Placement in this course requires approval from a school administrator, a world language teacher, and a counselor.*

This course is designed specifically for students that have been in the Spanish immersion program or are native/heritage speakers of Spanish that already have oral language proficiency. The Service Learning course is a dual purpose course that integrates academic and college and career readiness curriculum with a civic or service component. The entire course will be taught in Spanish and the service piece will target Spanish-speaking agencies or organizations. Class time will be spent in research and discussion of what civic responsibility and service mean, analysis of people and organizations that are service oriented, establish standards of professionalism, present reflections and research, researching potential academic and career paths and produce a professional e-portfolio.

11012X0A * FRENCH I

Credit 1 unit

French I provides an introduction to the study of the French language and culture. Emphasis is placed on the development of listening, speaking, reading, and writing skills and the application of the language to real-life situations.

11022X0A * FRENCH II

Credit 1 unit

Prerequisite French I and/or demonstrated proficiency

French II provides students with opportunities to continue the development of listening, speaking, reading, and writing skills. Students participate in simple oral conversational situations using past and present tense. They create compositions which narrate, describe, compare, and summarize familiar topics from the French culture. Focus is placed on understanding main ideas.

11035X0A * HONORS FRENCH III

Credit 1 unit

Prerequisite French II and/or demonstrated proficiency

Honors French III provides students with additional opportunities to expand their listening, speaking, reading, and writing skills using short literary texts, authentic materials, and media on relevant topics. Students identify main idea(s) and significant details in discussions, presentations, and written texts within a cultural context. In addition, they are introduced to French literature through the study of some of the country's best known authors.

11045X0A * HONORS FRENCH IV

Credit 1 unit

Prerequisite French III and/or demonstrated proficiency

Honors French IV is intended for students who have chosen to further develop their proficiency in French listening, speaking, reading, and writing skills with some emphasis on literature, cultural topics, and current events. Students who enroll should have reasonable proficiency in all skills of the French language.

11055X0A * HONORS FRENCH V

Credit 1 unit

Prerequisite French IV and/or demonstrated proficiency

Emphasis is placed on reading, oral, and written discussion in French of topics related to Francophone life, culture, history, art, and music. Grammar topics are taught as needed.

11612X0A * GERMAN I (JTH)

Credit 1 unit

German I provides an introduction to the study of the German language and culture. Emphasis is placed on the development of listening, speaking, reading, and writing skills and the application of the language to real-life situations.

11622X0A * GERMAN II (JTH)

Credit 1 unit

Prerequisite German I and/or demonstrated proficiency

German II provides students with opportunities to continue the development of listening, speaking, reading, and writing skills. Students participate in simple oral conversational situations using past and present tense. They create compositions which narrate, describe, compare, and summarize familiar topics from the German culture. Focus is placed on understanding main ideas.

11635X0A * HONORS GERMAN III (JTH)

Credit 1 unit

Prerequisite German II and/or demonstrated proficiency

Honors German III provides students with additional opportunities to expand their listening, speaking, reading, and writing skills using short literary texts, authentic materials, and media on relevant topics. Students identify main idea(s) and significant details in discussions, presentations, and written texts within a cultural context. In addition, they are introduced to German literature through the study of some of the country's best known authors.

11645X0A * HONORS GERMAN IV (JTH)

Credit 1 unit

Prerequisite German III and/or demonstrated proficiency

Honors Germany IV is intended for students who have chosen to further develop their proficiency in German listening, speaking, reading, and writing skills with some emphasis on literature, cultural topics, and current events. Students who enroll should have reasonable proficiency in all skills of the German language.

11655X0A * HONORS GERMAN V (JTH)

Credit 1 unit

Prerequisite German IV and/or demonstrated proficiency

Emphasis is placed on German literature, art, history, culture, and current events with oral and written discussion. Students continue the study of advanced grammar and advanced vocabulary. Oral conversation is stressed with the aid of native speakers, when possible.

11212X0A * CHINESE I

Credit 1 unit

This course is an introduction to the study of the target language and its culture and may be taken in middle or high school. Students perform the most basic functions of the language and become familiar with some elements of its culture. The emphasis is placed on the development of the four skills of listening, speaking, reading, and writing within a given context extending outside of the classroom setting when possible. The content focuses on the students' lives and experiences, and includes an exposure to everyday customs and lifestyles. Grammar is integrated throughout the course and is selected according to the language conventions (functions).

11222X0A * CHINESE II

Credit 1 unit

Prerequisite Chinese I and/or demonstrated proficiency

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in short conversational situations by combining and recombining learned elements of the language orally and in writing. They are able to 13 satisfy basic survival needs and interact on issues of everyday life in the present time and past time, inside and outside of the classroom setting. They compose related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple texts.

11235X0A * HONORS CHINESE III

Credit 1 unit

Prerequisite Chinese II and/or demonstrated proficiency

This course provides students with additional opportunities to expand their listening, speaking, reading, and writing skills as they create with the language and access various materials (short literary texts, authentic materials, technical manuals and other media) on generally familiar topics. Students satisfy limited communication and social interaction demands, as well as initiate and maintain face-to-face communication. They identify main idea(s) and some details in discussions, presentations, and written texts within a cultural context; read and interpret authentic materials; narrate and describe in a series of sentences, groups of related sentences, and short cohesive passages in present, past, and future time; and compose messages, announcements, personal notes, and advertisements.

11245X0A * CHINESE IV

Credit 1 unit

Prerequisite Chinese III and/or demonstrated proficiency

A major focus of this course is to enable students to communicate in writing and in extended conversations on a variety of familiar and some unfamiliar topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. The emphasis of this course can vary, as described above. Many different types of text (short stories, poetry, excerpts from various periods of literature, current events, technical manuals, and other authentic materials) are included, depending on the emphasis and providing for independent reading. Finer points of grammar are studied to aid oral and written communication.

12412X0A * LATIN I

Credit 1 unit

Latin I is an introduction to the study of the Latin language and Greco-Roman culture. It encourages students to learn basic functions of the language, become familiar with some elements of its culture including ancient history and classical mythology, and increase their understanding of English. Emphasis is placed on the development of skills in reading and comprehension of adapted Latin texts.

12422X0A * LATIN II

Credit 1 unit

Prerequisite Latin I and/or demonstrated proficiency

This course continues the study of the Latin language and Greco-Roman culture. Students learn increasingly complex functions of the language, continue cultural studies including history and mythology, and increase their understanding of English via derivatives and grammar analysis. Emphasis is placed on the development of skills in reading and comprehension of adapted Latin texts.

12435X0A * HONORS LATIN III

Credit 1 unit

Prerequisite Latin II and/or demonstrated proficiency

This course focuses on the completion of Latin grammar introduction and the transition from adapted text to authentic Latin literature, prose, and/or poetry. Students continue to refine their knowledge and understanding of the Greco-Roman world and their own culture by examining the interrelationship of these societies.

12445X0A * HONORS LATIN IV

Credit 1 unit

Prerequisite Latin III and/or demonstrated proficiency

A major focus of Latin IV is on the reading of authentic Latin texts with grammar, history, and mythology discussed in context of the readings. Emphasis is placed on figures of speech, analysis, and essay writing. There is more in-depth study of the Greco-Roman culture and its influence throughout the world, as well as the student's own culture. Students are able to connect the Latin language to other disciplines and compare it to their own language.

12455X0A * HONORS LATIN V

Credit 1 unit

Prerequisite Latin IV and/or demonstrated proficiency

A major focus of Latin V is on the reading of authentic Latin texts with grammar, history, and mythology discussed in context of the readings. Emphasis is placed on figures of speech, analysis, and essay writing.

12457X0A * ADVANCED PLACEMENT LATIN VI

Credit 1 unit

Prerequisite Latin III or above and/or demonstrated proficiency

This course emphasizes the skills required for the students to successfully read, translate, analyze, and interpret authentic Latin within the context of the cultural, historical, and political aspects of the literature. In May, students may opt to take an AP examination to validate their academic experience and to receive college credit as determined by individual institutions of higher education. The AP Latin examination is designed, administered, and graded by the College Board.

12512X0A * OTHER FOREIGN LANGUAGE I – (Ancient Greek I)

Credit 1 unit

Students are introduced to the ancient Greek alphabet and pronunciation. Emphasis is on acquisition of vocabulary and grammar skills in order to facilitate reading of Greek passages. Students also study Greek culture and history.

12522X0A * OTHER FOREIGN LANGUAGE II – (Ancient Greek II)

Credit 1 unit

Prerequisite Ancient Greek I and/or demonstrated proficiency

Students will continue to read passages in Greek as they build their vocabularies and increase their knowledge of advanced grammar. Students will continue to study Greek culture and history.

SPECIAL EDUCATION AND RELATED SERVICES

These courses are offered as specially-designed instruction to meet the individual needs of students receiving Special Education and Related Services through an Individualized Education Program (IEP). Enrollment in each course requires department chairperson approval. In order to receive course credits for graduation with a diploma, students must take courses that follow the Standard Course of Study and take the appropriate End of Course tests. Successful completion of NC Math I is a graduation requirement unless the student's "Individualized Education Program identifies the student as learning disabled in the area of mathematics and states that this learning disability will prevent the student from mastering NC Math I (G.S.115c-81b). Graduation with a diploma or with a certificate of completion is addressed through each student's Individualized Education Program (IEP).

All students with special needs are educated to the maximum extent possible in age-appropriate settings with their peers. This includes curricular as well as non-academic and co-curricular activities available at each high school. The extent of participation is determined through the IEP process. Students and parents can obtain more information about all Special Education and Related Services from the department chairperson.

Transition services are defined as a coordinated set of activities designed with a results-oriented process that promotes smooth movement from school to adult services. Transition planning begins prior to entering high school and outlines how a student with special needs should prepare for work, post-secondary education, residential independence, and community living. Opportunities are provided for career planning, vocational training, life skills, and contact with adult service programs before leaving high school. Transition services are defined for each student through the IEP process.

Note: *The North Carolina State Board of Education policy GCS-C-003 that mandates End-of-Course tests count 20% of a student's final grade has been waived for (OCS) English II, (OCS) NC Math I and (OCS) Biology. Students enrolled in the Occupational Course of Study are required to take the EOC exams in English II, NC Math I and Biology for school accountability purposes. In accordance with NHC School Board Policy 7440 and North Carolina Board of Education Policy ID GRAD-004, students completing the rigorous OCS exit standards as described on Page 35 of this Curriculum Course Guide may be awarded a diploma.*

Special Interest Topics

96102X0 * Individualized Curriculum Social Communication Module (*Locally Developed*)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in advocating for personal needs and demonstrating proactive behavior in applying transition planning strategies, setting goals and identifying problem-solving strategies needed to successfully access educational opportunities while using appropriate social and communication strategies.

96102X0LA * Individualized Curriculum Language Arts Module (*Locally Developed*)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in reading and comprehending a variety of print and non-print materials; applying conventions of grammar and language usage in spoken and written English; and creating and using print and non-print text to communicate ideas.

96102X0MT * Individualized Curriculum Math Module (*Locally Developed*)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in math related to numbers and operations; algebraic concepts; geometric concepts; and data analysis.

96102X0CL * Individualized Curriculum Occupational Career Lab Module (Locally Developed)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in promoting success in the workplace; exploring career opportunities through job simulations; applying decision-making skills; and developing good work habits, self-management and communications skills.

96102X0SA * Individualized Curriculum Self-Advocacy Module (Locally Developed)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in understanding of the student's disability and understanding personal and legal rights and responsibilities while developing appropriate self-advocacy strategies.

96102X0SS * Individualized Curriculum Social Skills Module (Locally Developed)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in demonstrating appropriate communication and effective conflict resolution skills; utilizing a variety of impulse control and anger management strategies in order to interact successfully in the school environment; and demonstrating making appropriate choices.

96102X0ST * Individualized Curriculum Study Skills Module (Locally Developed)

Credit: 1 unit

Prerequisite: IEP and Approval of Department Chairperson

This course emphasizes the development of skills in using note-taking in order to record important information from text and class presentations; demonstrating appropriate time management and organizational skills; demonstrating use of reference and research information; and demonstrating use of test preparation and test taking skills.

Future Ready - Occupational Course of Study Course (FR-OCS) Requirements

Note: All Future Ready – Occupational Course of Study Courses (FR-OCS) have a “B” in the 5th place of the course codes.

9240BXO * PREPARATION I

Credit 1 unit

Prerequisites IEP and Occupational Course of Study (Selection by IEP Team)

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 advancements. Students will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on vocational training in Career Technical Education courses, and operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Occupational Preparation courses.

9241BXO * PREPARATION II

Credit 2 units

Prerequisite Preparation I; IEP and Occupational Course of Study (Selection by IEP Team)

This course emphasizes the development of skills generic to all career majors: resource management, communication, interpersonal relationship skills, technology, stamina, endurance, safety, mobility skills, motor skills, teamwork, sensory skills, problem solving, cultural diversity, information acquisition/management, and self-management. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and begin some work-based learning activities. Job-seeking skills will also continue to be refined.

9242BXO * PREPARATION IIICredit 2 unitsPrerequisites Preparation I & II; IEP and Occupational Course of Study (Selection by IEP Team)

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

9243BXO * PREPARATION IVCredit 1 unitPrerequisites Preparation I, II & III; IEP and Occupational Course of Study (Selection by IEP Team)

This course gives students the opportunity to synthesize all the skills acquired in previous Occupational Preparation courses and determine their applicability to their personal career choice. This course will allow students to solve work-related problems experienced in competitive employment, practice self-advocacy, and master the theoretical and practical aspects of their career choice. Students will complete the 360 hours (for students entering Grade 9 prior to 2014-2015) **and** 225 hours (for students entering Grade 9 beginning with 2014-2015) of paid employment or 225 hours of unpaid vocational training, unpaid internship, paid employment at community rehabilitation facilities, and volunteer and/or community services hours are required for successful completion of the Occupational Course of Study. Students will also develop a job placement portfolio that provides an educational and vocational record of their high school experience.

Note: *In order to meet the requirements for a diploma student must also complete the following:*

Type of Hours	Previous Requirements	New Requirements (beginning with 2014-2015 freshmen)
School Based	300	150
Community Based	240	225
Paid/Competitive (or unpaid vocational training, etc <u>if paid options are exhausted</u>)	360	225
	Total = 900 hours	Total = 600 hours

9210BXO * ENGLISH ICredit 1 unitPrerequisites IEP and Occupational Course of Study (Selection by IEP Team)

Students in English I will examine the ways that audience and purpose shape oral communication, written communication, media and technology. Using guided written and oral language that include grammatical conventions, they will engage in communication for personal expression by completing written products that demonstrate expository, argumentative and literary communication competencies.

Note: *A North Carolina Final Exam is administered for this course.*

9211BXO * ENGLISH II

Credit 1 unit

Prerequisite English I; IEP and Occupational Course of Study (Selection by IEP Team)

Students in English II will read and write about world literature, will be able to identify the cultural significance of various texts and will demonstrate the ability to connect global ideas to their personal experiences. With an emphasis on the explanatory context, they will develop the language competencies necessary for personal information gathering, critical analysis, and literary development as it applies to real life situations.

Note: *A North Carolina End-of-Course test is administered for this course.*

All OCS students must have an English II test score or valid reason code by the end of grade 10.

Occupational Course of Study student scores on the end of course exams are not mandated to count as 20% of their final grade and will not impact the students' eligibility for graduation.

9212BXO * ENGLISH III

Credit 1 unit

Prerequisites English I, II; IEP and Occupational Course of Study (Selection by IEP Team)

Students in English III will analyze US literary and informational texts for social and historical significance and will gain the information and skills necessary to competently navigate the work force, post-secondary educational opportunities and adult living situations. They will apply reading and comprehension strategies and strengthen the use of the problem solving process to aid in personal decision making. Written products reflecting the outcome of their choices will be guided and developed through the use of technology.

Note: *A North Carolina Final Exam is administered for this course.*

9213BXO * ENGLISH IV

Credit 1 unit

Prerequisites English I, II, III; IEP and Occupational Course of Study (Selection by IEP Team)

Students in English IV will integrate all the language arts skills gained throughout their education. They will continue to analyze current events, written texts or personal life situations, and develop and construct written products from their own viewpoint. These completed products will emphasize the ability to evaluate cause and effect and the ability to apply their skills in the adult domains of employment, post secondary education and independent living. They will evaluate their personal communication skills, in a variety of settings, with multiple audiences.

Note: *A North Carolina Final Exam is administered for this course.*

9220BXO * INTRODUCTION TO NC MATHEMATICS I

Credit 1 unit

Prerequisites IEP and Occupational Course of Study Selection by (Selection by IEP Team)

Students in Introduction to Mathematics I will understand rational numbers, patterns and relationships, and data in terms of graphical displays. They will solve problems by using mathematical operations, applying ratios and proportions, and using time and measurement skills. Additionally, they will use the properties of two and three dimensional figures as well as algebraic properties to solve problems in real world contexts.

9225BXO * NC MATH I

Credit 1 unit

Prerequisite Intro to Mathematics I or NCVPS Locally Developed Math Elective

Note: *“Intro to Mathematics I” is a Math credit while “NCVPS Locally Developed Math Elective” is an elective credit)*

The students in NC Math I will use ratios, rates, and properties of exponents to simplify and solve problems. They will select strategies and execute a variety of operations to solve algebraic problems. They will summarize, represent, and interpret data utilizing a variety of models. Through analysis of patterns and data, they will learn to solve real-world challenges useful in everyday life.

Note: *A North Carolina End-of-Course test is administered for this course. All OCS students must have a NC Math I test score or valid reason code by the end of grade 10. Occupational Course of Study student scores on the end of course exams are not mandated to count as 20% of their final grade, and will not impact the students’ eligibility for graduation.*

9222BXO * FINANCIAL MANAGEMENT

Credit 1 unit

Prerequisites IEP and Occupational Course of Study (Selection by IEP Team)

The students in Financial Management will understand and apply personal financial management skills through the analysis of wages, taxes, use of credit, and insurance. They will apply their math skills to consumer spending and develop manageable personal budgets and financial capability.

9231BXO * APPLIED SCIENCE

Credit 1 unit

Prerequisites IEP and Occupational Course of Study (Selection by IEP Team)

The students in Applied Science will be provided opportunities to engage in hands-on activities enabling them to understand force and motion, energy, electricity, properties of matter and how we as humans impact our environment. They will demonstrate an understanding of the major systems of the human body, how to maintain health, and what to do when medical intervention is necessary.

9232BXO * BIOLOGY

Credit 1 unit

Prerequisites IEP and Occupational Course of Study (Selection by IEP Team)

Students in Biology will use basic hands-on scientific inquiry, experimentation and technology to develop real world problem solving skills. They will understand cells and their structure, molecules, and the interdependence of organisms within our environment. They will also study how humans impact their environment and how they can improve it. Additionally, students will develop a basic understanding of DNA, factors that can influence it, and its role in a variety of theories and classification systems.

Note: *A North Carolina End-of-Course test is administered for this course. All OCS students must have a Biology EOC test score or valid reason code by the end of grade 11. Occupational Course of Study student scores on the end of course exams are not mandated to count as 20% of their final grade and will not impact the students’ eligibility for graduation.*

9249BXO * The Founding Principles, Civics & Economics (Required for Eligible Students Entering Grade 9 for the first time in 2017-2018)

Credit 1 unit

Prerequisites IEP and Occupational Course of Study (Selection by IEP Team)

This course provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The essential standards of this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics.

Note: *A North Carolina Final Exam is administered for this course.*

9247BXO * American History ICredit 1 unitPrerequisites IEP and Occupational Course of Study (Selection by IEP Team)

This course is designed to provide students with a basic knowledge of historical, cultural, political, geographic, and economic study of the United States from the late 1400s to the end of the Reconstruction Period in 1877.

Note: A North Carolina Final Exam is administered for this course.

9248BXO * American History IICredit 1 unitPrerequisites American History I, IEP, and Occupational Course of Study (Selection by IEP Team)

This course is designed to provide students with historical, cultural, political, geographic, and economic study of the United States from 1877 to present day.

Note: A North Carolina Final Exam is administered for this course.

9246BXO * Self-Advocacy DevelopmentCredit 1 unitPrerequisites IEP and Occupational Course of Study (Selection by IEP Team)

Students in this Self-Advocacy course will use self-determination skills that are essential for achieving independence and successful adult outcomes. The organization of the course will provide for opportunities to integrate previously learned skills with new concepts. Instructional emphasis will be placed on the application and generalization of self-determination skills to post school environments

.North Carolina Extended Content Standards Courses- (NC – ECS)

Note: All NC- Extended Content Standard Courses (NC-ECS) have an “A” in the 5th place of the course codes.

Course Number	Course Name	Credit	GPA Added Value
9310AX0	English/LA I	1	0
9311AX0	English/LA II (By Grade 10)	1	0
9312AX0	English/LA III	1	0
9313AX0	English/LA IV	1	0
9324AX0	Math I A	1	0
9325AX0	Math I B	1	0
9322AX0	Financial Management	1	0
9323AX0	Financial Management II	1	0
9331AX0	Life Science	1	0
9332AX0	Biology A	1	0
9333AX0	Biology B	1	0
9340AX0	Civics and Governance I	1	0
9341AX0	Civics and Governance II	1	0
9342AX0	American History I	1	0
9343AX0	American History II	1	0
9390AX0	NC Elective Health, Safety, & Independent Living	1	0
9391AX0	NC Vocational Preparation	1	0

Note: The NC Extended Content Standards (NC-ECS) courses listed below are the same course codes as the Future Ready- Occupational Course of Study (FR-OCS) classes with the EXCEPTION OF THE “A” IN THE FIFTH PLACE which indicates this is a NC-ECS course credit. The intent of these course codes is to provide some students the opportunity to take a FR-OCS class while on the NC-ECS course of study.

Course Number	Course Name	Credit	GPA Added Value
9210AXO	English I	1	0
9211AXO	English II	1	0
9212AXO	English III	1	0
9213AXO	English IV	1	0
9220AXO	Introduction to Mathematics I	1	0
9225AXO	Math I	1	0
9222AXO	Financial Management	1	0
9231AXO	Applied Science	1	0
9232AXO	Biology	1	0
9240AXO	Preparation I	1	0
9241AXO	Preparation II	2	0
9242AXO	Preparation III	2	0
9243AXO	Preparation IV	1	0
9246AXO	Self-Advocacy Development	1	0
9247AXO	American History I	1	0
9248AXO	American History II	1	0
9249AXO	The Founding Principles, Civics & Economics (New Course)	1	0

2020 – 2021 Quick Reference Course Listing

VISUAL ART

Course #	COURSE	Page #
54202X0A	Beginning Applied Arts	45
54152X0A	Visual Arts (Beginning)	45
54162X0A	Visual Arts (Intermediate)	45
54175X0A	Honors Visual Arts (Proficient)	46
54185X0A	Honors Visual Arts (Advanced)	46
54622X0CI	Ceramics (Intermediate)	46
54635X0CP	Honors Ceramics (Proficient)	46
54645X0CA	Honors Ceramics (Advanced)	47
54622X0SI	Sculpture (Intermediate)	47
54622X0PI	Photography (Intermediate)	47
54635X0PP	Honors Photography (Proficient)	47
54645X0PA	Honors Photography (Advanced)	48
5A047X0A	Advanced Placement Studio – Drawing (ASH)	48
5A027X0A	Advanced Placement Studio Art 2D Design (AHS, NHHS)	48

DANCE

Course #	COURSE	Page #
51152X0A	Dance - Beginning (LHS)	48
51162X0A	Dance - Intermediate (LHS)	49
51175X0A	Honors Dance - Proficient (LHS)	49
51185X0A	Honors Dance – Advanced (LHS)	49

MUSIC

Course #	COURSE	Page #
52172X0A	Music Theory (Intermediate)	49
52157X0A	Advanced Placement Music Theory	50

BAND

Course #	COURSE	Page #
52552X0A	Band – Beginning	50
52562X0A	Band - Intermediate	50
52575X0A	Honors Band – Proficient	51
52585X0A	Honors Band - Advanced	51
52172X0A	Jazz Ensemble – Intermediate	51
52185X0A	Honors Jazz Ensemble - Proficient	52
52195X0A	Honors Jazz Ensemble – Advanced	52

ORCHESTRA

Course #	COURSE	Page #
52402X0A	Orchestra - Beginning	52
52412X0A	Orchestra – Intermediate	52
52425X0A	Honors Orchestra - Proficient	53
52435X0A	Honors Orchestra – Advanced	53

VOCAL MUSIC

Course #	COURSE	Page #
52302X0A	Vocal Music – Beginning	53
52312X0A	Vocal Music – Intermediate	53
52325X0A	Honors Vocal Music – Proficient	54
52335X0A	Honors Vocal Music – Advanced	54

THEATER ARTS

Course #	Course	Page #
53152X0A	Theatre Arts – Beginning	54
53162X0A	Theatre Arts – Intermediate	54
53175X0A	Honors Theatre Arts - Proficient	55
53185X0A	Honors Theatre Arts – Advanced	55
53622X0A	Technical Theatre - Intermediate	55
53635X0A	Honors Technical Theatre - Proficient	55
53645X0A	Honors Technical Theatre - Advanced	55

AGRICULTURE EDUCATION

Course #	Course	Page #
AP412X0A	Horticulture I (JTH)	64
AP442X0A	Horticulture II (JTH)	64
AP432X0A	Horticulture II –Landscaping (JTH)	64
CS972X0A	CTE Internship	64

BUSINESS, FINANCE, AND MARKETING

Course #	Course	Page #
BA102X0A	Accounting I	65
BA205X0A	Honors Accounting II	65
CN172X0A	AOF Applied Finance (CRA)	65
CN202X0A	AOF Professional Ethics (CRA)	65
BB302X0A	Business Law	66
BB402X0A	Business Management	66
BB422X0A	Business Management II	66
BF21	Wealth Building	66
BF22	Wealth Management	66
BF102X0A	Principles of Business and Finance	67
ME112X0A	Entrepreneurship I	67
ME125X0A	Entrepreneurship II	67
MH422X0A	Hospitality and Tourism	67
MM512X0A	Marketing	67
MM515X0A	Honors Marketing	67
MA52	Marketing Applications	68
CS112X0	Project Management I	68
CS112X0	Project Management II	68
MH312X0A	Sports and Entertainment Marketing I	68
MH325X0A	Sports and Entertainment Marketing II	68
CS972X0A	CTE Internship	69

COMPUTER SCIENCE AND TECHNOLOGY

Course #	Course	Page #
BI122X0A	Comp TIA IT Fundamentals	69
BP412X0O	Computer Science I	69
BP422X0O	Computer Science II	70
II212X0A	Computer Engineering Technology I	70
II125X0A	Computer Engineering Technology II	70
II115X0A	CISCO Network Engineering Tech I	70
II125X0A	CISCO Network Engineering Tech II	70
CS972X0A	CTE Internship	71

FAMILY & CONSUMER SCIENCE

Course #	COURSE	Page #
FA312X0A	Apparel & Textile Production I	71
FA322X0A	Apparel & Textile Production II	71
FA325X0A	Honors Apparel & Textile Prod. II	71
FH212X0A	Culinary Arts & Hospitality I	72
FH222X0C	Culinary Arts & Hospitality II Application	72
FH12	Culinary Arts & Hospitality II Internship	72
FH13	Culinary Arts & Hospitality III	72
FE602X0A	Child Development	73
FE112X0C	Early Childhood Education I	73
FE125X0C	Honors Early Childhood Education II	73
FN412X0A	Foods and Nutrition I	73
FN422X0A	Foods and Nutrition II	74
FN425X0A	Honors Foods and Nutrition II	74
FN435X0A	Foods Science and Technology	74
FI512X0A	Interior Design I (NHHS)	74
FI512X0A	Interior Design II (NHHS)	75
FC112X0A	Principles of Family & Human Services	75
CS972X0A	CTE Internship	75

HEALTH SCIENCE

Course #	Course	Page #
HU102X0A	Foundations of Health Science	75
HB102X0A	Biomedical Technology I (LHS)	75
HU402X0A	Health Science I	76
HU422X0A	Health Science II	76
HU425X0A	Honors Health Science II	76
HN435X0C	Honors Nursing Fundamentals	76
HN425X0C	Nursing Fundamentals Non-Practicum	77
CS972X0A	CTE Internship	77

TEHNOLOGY, TRADE, ENGINEERING, & INDUSTRIAL

Course #	COURSE	Page #
II312X0A	Adobe Visual Design	77
II322X0A	Adobe Digital Design	78
II332X0A	Adobe Video Design	78
IT112X0A	Automotive Services Fundamentals	78
IT116X0A	Automotive Service I	78
IT172X0A	Automotive Service II	78
IT172X0A	Automotive Service III	79
IC002X0A	Construction Core	79
IC212X0A	Carpentry I	79
IC225X0A	Carpentry II	79
IC235X0A	Carpentry III	80
TS24	Digital Design and Animation I	80
TS25	Digital Design and Animation II	80
IC612X0A	Drafting I	80
IC615X0A	Honors Drafting I	80
IC625X0A	Drafting II – Architectural	81
IV222X0A	Drafting II – Engineering	81
IV225X0A	Honors Drafting II – Engineering	81

TEHNOLOGY, TRADE, ENGINEERING, & INDUSTRIAL

IC635X0A	Honors Drafting III – Architectural	81
ID112X0A	Drone Technology I	82
ID12	Drone Technology II	82
IP212X0A	Emergency Medical Technology I	82
IP225X0A	Emergency Medical Technology II	82
TS312X0A	Game Art & Design	82
TS322X0A	Advanced Game Art & Design (AHS)	83
TE112X0A	Technology Engineering and Design	83
TE122X0A	Technological Design	83
TE132X0A	Engineering Design	83
TP25	PLTW Aerospace Engineering	84
TP23X0A	PLTW Civil Engineering & Architect.	84
TP117X0A	PLTW Introduction to Engineering Design	84
TP127X0A	PLTW Principles of Engineering	84
IP112X0A	Public Safety I	84
IP122X0A	Public Safety II	85
CS972X0A	CTE Internship	85

SUPPLEMENTAL CTE COURSES

Course #	COURSE	Page #
CC452X0A	Career Management	85
BI02X0A	Foundations of Information Tech.	85
BM102X0A	Microsoft Word and PowerPoint	85
BM105X0A	HON Microsoft Word and PowerPoint	86
BM205X0A	Microsoft Excel	86

ENGLISH

Course #	COURSE	Page #
10212X0A	English I	87
10215X0A	Honors English I	87
10222X0A	English II	87
10225X0A	Honors English II	87
10232X0A	English III	88
10235X0A	Honors English III	88
1A007X0A	AP Language & Composition	88
10242X0A	English IV	88
10242X0A	English IV - CCRG	88
10245X0A	Honors English IV	89
1A017X0A	AP Literature & Composition	89
10252X0A	Creative Writing	89
10255X0A	Hon. Creative Writing (AHS, NH, CRA)	89
10255X0A2	Honors Creative Writing II (AHS)	89
10281X0E	Focus 9: Reading Comprehension and Grammar (AHS, NHHS, JTH)	90
10281X0F	Focus 10: Reading Comprehension and Grammar (AHS, NHHS, JTH)	90
10312X0A	Yearbook	90
10325X0A	Honors Yearbook II	90
96082X0A	Library Skills I	90

ENGLISH AS A SECOND LANGUAGE

Course #	COURSE	Page #
10382XOA	ESL I	91
10382XOB	ESL II	91
10382XOC	ESL III	91

HEALTHFUL LIVING EDUCATION

Course #	COURSE	Page #
60492X0A	Health and Physical Education	92
96102X0BT	Begin. Tennis – Fall only (EAL, NH)	92
96102X0IT	Intermed. Tennis – Spring only (NH)	92
96102X0PF	Personal Fitness (AHS)	92
96102X0TS	Team Sports (AHS, EAL, NHHS)	92
96102X0BC	Body Conditioning & Weight Training	92

INTERNATIONAL BACCALAUREATE

Course #	COURSE	Page #
0I018X0D	Theory of Knowledge (SL)	93
1I018X0D	Language and Literature (HL)	93
1I138X0D	Chinese Mandarin Standard Level	93
1I058X0D	French Standard Level	93
1I068X0D	French Higher Level	94
1I078Z0A	German Standard Level	94
1I158X0D	Spanish Standard Level	94
1I168X0D	Spanish Higher Level	94
1I118X0D	Classical Language – Latin (SL)	95
1I128X0D	Classical Language – Latin (HL)	95
4I008X0D	History of Americas (HL)	95
BI058X0D	Psychology Standard Level	95
3I008X0D	Sports Exercise & Health Science (SL)	95
3I018X0D	Biology Higher Level	96
2I088X0D	Mathematics: Analysis & Approaches SL	96
2I078X0D	Mathematics: Analysis & Approaches HL	96
2I068X0D	Mathematics Applications and Interpretations SL	96
5I088X0D	Visual Arts Standard Level	97
5I098X0D	Visual Arts Higher Level	97
5I088X0D	Dance Standard Level (SL)	97
5I018X0D	Dance Higher Level (HL)	97

NON-SUBJECT-SPECIFIC COURSES

Course #	COURSE	Page #
47022XOA	Service Learning	98
47025XOA	Honors Service Learning	98
96042XOA	Teacher Cadet I	98
96062XOA	Teacher Cadet II	98
96102X0B	Leadership (JTH)	98
96102X0QT	Quest	99
0A007X0A	AP Capstone Seminar	99
0A017X0A	AP Capstone Research	99

JROTC – ARMY AND NAVY

Course #	COURSE	Page #
95012X0AR1	JROTC I	100
95012X0AR2	JROTC I	100
95022X0AR3	JROTC II	100
95022X0AR4	JROTC II	101
95032X0AR5	JROTC III	101
95032X0AR6	JROTC III	101
95042X0AR7	JROTC IV	101
95042X0AR8	JROTC IV	101
95045X0AR	Honors JROTC Leadership Lab	102
95012X0NA1	JROTIC I	102
95012X0NA2	JROTIC I	102
95022X0NA3	JROTIC II	102
95022NA4	JROTC II	103
95032X0NA5	JROTC III	103
95032X0NA6	JROTC III	103
95042X0NA7	JROTC IV	103
95042X0NA8	JROTC IV	103
95045X0NA	Honors JROTC	103
95042X0NL	NJROTC Drill & Ceremonies Lab	103

Air Force – JROTC (Laney High School)

Course #	COURSE	Page #
95012X0AF	JROTC I	104
95022X0AF	JROTC II	104
95032X0AF	JROTC III	104
95042X0AF	JROTC IV	105
95045X0AF	Honors JROTC IV	105

MATHEMATICS

Course #	COURSE	Page #
20902X0A	Foundations of NC Math 1	106
21092X0A	NC Math 1	106
21095X0A	Honors NC Math 1	106
20912X0A	Foundations of NC Math 2	107
22092X0A	NC Math 2	107
22095X0A	Honors NC Math 2	107
20922X0A	Foundations of NC Math 3	107
23092X0A	NC Math 3	107
23095X0A	Honors NC Math 3	108
24092X0A	NC Math 4	108
24095X0A	Honors NC Math 4	108
24012X0A	Discrete Mathematics for Compt. Sci	108
24015X0A	Honors Discrete Mathematics for Computer Science	109
20132X0A	College Ready Math	109
24035X0A	Honors Pre-Calculus	109
28005X0D2	Honors Calculus	109
2A007X0A	Advanced Placement Calculus AB	109
2A017X0A	Advanced Placement Calculus BC	109
2A037X0A	Advanced Placement Statistics	110

SCIENCE

Course #	COURSE	Page #
35012X0A	Earth/Environmental	111
35015X0A	Honors Earth/Environmental	111
33202X0A	Biology	111
33205X0A	Honors Biology	112
34102X0A	Physical Science	112
34202X0A	Chemistry	112
34205X0A	Honors Chemistry	112
34302X0A	Physics	112
34305X0A	Honors Physics	113
34315X0A	Honors Physics II (AP Physics Prep)	113
3A057X0A	AP Physics 1: Algebra-based	113
3A067X0A	AP Physics 2: Algebra-based	113
3A047X0A	Advanced Placement Physics C: Mechanics	114
3A037X0A	Advanced Placement Physics C: Electricity and Magnetism	114
33215X0A	Honors Biology II (AP Biology Prep)	114
31007X0A	Advanced Placement Biology	114
30205X0A	Honors Biotechnology (JTH)	114
34215X0A	Honors Chemistry II (AP Chemistry Prep)	114
3A017X0A	Advanced Placement Chemistry	114
3A027X0A	Advanced Placement Environmental Science	115
35362X0A	Oceanography	115
35365X0A	Honors Ocean Science	115
35355X0A	Honors Marine Biology	115
33302X0A	Anatomy & Physiology	115
33305X0A	Honors Anatomy and Physiology	115
35402X0A	Astronomy	116
33495X0A	Honors NC Wildlife	116
95755X0295	OCN 150 - Intro to Oceanography (ash)	116
95755X0210	BIO 170 - Biology of the Sea (ASH)	116
3025XOA2	Honors Forensics (ASH)	116

SOCIAL STUDIES

Course #	COURSE	Page #
43032X0A	World History	117
43035X0A	Honors World History	117
4A087X0A	AP World History - Modern	117
42092X0A	Civics, and Economics	117
42095X0A	Honors Civics, and Economics	118
	Founding Principles of America & NC: Civic Literacy	118
	Honors Founding Principles of America & NC: Civil Literacy	118
	Economics & Personal Finance (EPF)	118
	Honors Economics & Personal Finance (EPF)	118
43042X0A	American History I	119
43045X0A	Honors American History I	119
43052X0A	American History II	119
43055X0A	Honors American History II	119
	The New American History	119
	The New American History	119
4A077X0A	Advanced Placement US History	120
4A017X0A	Advanced Placement European History	120
4A067X0A	Advanced Placement US Government and Politics	120
4A007X0A	AP Comparative Government & Politics (AHS)	120
4A027X0A	AP Human Geography	121
44032X0A	Psychology	121
44035X0A	Honors Psychology	121
4A057X0A	Advance Placement Psychology (EAL, AHS)	121
42052X0A	Current Affairs and Issues	121
46012X0A	African American Studies	121
43092X0A	Turning Points in American History (AHS)	122
46072X0A	American Humanities	122

WORLD LANGUAGE

Course #	COURSE	Page #
11412X0A	Spanish I	123
11422X0A	Spanish II	123
11435X0A	Honors Spanish III	123
11445X0A	Honors Spanish IV	124
11455X0A	Honors Spanish V	124
1A087X0A	AP Spanish Language and Culture (NHHS)	124
9605X0AS	Honors Spanish I for Heritage Speakers	124
11505X0A	Honors Spanish II for Heritage Speakers	125
	Honors Service Learning in Spanish	125
11012X0A	French I	125
11022X0A	French II	125
11035X0A	Honors French III	125
11045X0A	Honors French IV	125
11055X0A	Honors French V	126
11612X0A	German I (JTH)	126
11622X0A	German II (JTH)	126
11635X0A	Honors German III (JTH)	126
11645X0A	Honors German IV (JTH)	126
11655X0A	Honors German V (JTH)	126
11312X0A	Chinese I	126
11322X0A	Chinese II	127
11345X0A	Chinese III	127
11245X0A	Chinese IV	127
12412X0A	Latin I	127
12422X0A	Latin II	127
12435X0A	Honors Latin III	127
12445X0A	Honors Latin IV	128
12455X0A	Honors Latin V	128
12457X0A	AP Latin VI	128
12512X0A	Ancient Greek I (EAL & JTH)	128
12522X0A	Ancient Greek II (EAL & JTH)	128

SPECIAL EDUCATION AND RELATED SERVICES

Course #	COURSE	Page #
96102X0	Individualized Curriculum Social Communication Module (Locally Developed)	129
96102X0LA	Individualized Curriculum Language Arts Module (Locally Developed)	129
96102X0MT	Individualized Curriculum Math Module (Locally Developed Math Elective)	129
96102X0CL	Individualized Curriculum Occupational Career Lab Module (Locally Developed)	130
96102X0SA	Individualized Curriculum Self-Advocacy Module (Locally Developed)	130
96102X0SS	Individualized Curriculum Social Skills Module (Locally Developed)	130
96102X0ST	Individualized Curriculum Study Skills Module (Locally Developed)	130
9240BX0	Preparation I	130
9241BX0	Preparation II	130
9242BX0	Preparation III	131
9243BX0	Preparation IV	131

SPECIAL EDUCATION CONTINUED

9210BX0	English I	131
9211BX0	English II	132
9212BX0	English III	132
9213BX0	English IV	132
9220BX0	Intro. NC Mathematics I	132
9221BX0	NC Math I	133
9222BX0	Financial Management	133
9231BX0	Applied Science	133
9232BX0	Biology	133
9249BX0	Civics and Economics	133
9247BX0	American History I	134
9248BX0	American History II	134
9246BX0	Self-Advocacy Development	134

