

**2024-2025
HIGH SCHOOL
COURSE
REGISTRATION
GUIDE**

[Onslow.k12.nc.us](https://www.onslow.k12.nc.us)



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ONslow
COUNTY
SCHOOLS



Superintendent
Barry D. Collins, Ed.D.

Dear Parents and Students:

In Onslow County Schools, we believe every student should finish high school ready for college and career. To ensure our students have options and choices after graduation, they must take coursework which will meet post-secondary requirements and develop skills needed for entry into the workforce.

The information in this guide outlines available options and can be used for family discussions of pathways to college and career readiness. We encourage families to consider the various opportunities available, including Advanced Placement and International Baccalaureate classes, as well as Career & Technical Education courses and the arts. Onslow County Schools is fortunate to be able to provide many different opportunities for our students to build upon their own strengths and interests.

In these materials, students and parents will find an overview of available courses, innovative programs, and rigorous learning opportunities offered at our eight high schools. Also included are the North Carolina Graduation Requirements, offerings which address college access and credit, along with a variety of career interests and available certifications.

This course guide specifically identifies opportunities open to students for the 2024-2025 school year, including college-level courses provided in conjunction with Coastal Carolina Community College through the Onslow Early College High School and Career & College Promise (CCP). Both the Early College and CCP allow students to potentially complete up to two years of tuition-free college credit prior to high school graduation.

Students in Onslow County Schools now have an opportunity to participate in advanced Career & Technical Education courses at the Eastern North Carolina Regional Skills Center. Information is included which outlines the advanced courses of study available to students in automotive technology, collision repair, culinary arts, welding, advanced manufacturing, network security, and media graphics/game art design.

Students have many other opportunities to meet graduation requirements through honors, Advanced Placement and International Baccalaureate courses, specialized academies, career certification programs, and North Carolina Virtual.

The daily work of the school system is driven by our vision of Excellence in Education and commitment to ensuring every student is college and career ready. Please join us in making the educational experience for your child the best it can be as we prepare our students for their future in Onslow County and the world.

Sincerely,

Barry D. Collins, Ed.D.
Superintendent, Onslow County Schools

ONSLow COUNTY SCHOOLS PURPOSE, VISION, MISSION AND GOALS

PURPOSE

To educate students for a successful future.

VISION

Excellence in Education

MISSION

The Onslow County Schools community will prepare students to be globally competitive leaders and responsible citizens.

GOALS

- OCS-1: Every student in the Onslow County School System has a personalized education and graduates from high school are prepared for work, further education and citizenship
- OCS-2: Every student in the Onslow County School System has excellent educators, every day.
- OCS-3: The Onslow County School System has up-to-date, effective and efficient financial, business, and technology systems to serve its students, parents and educators.
- OCS-4: Every student in the Onslow County School System is healthy, safe, and responsible.



NORTH CAROLINA VISION

North Carolina State Board of Education

Vision: Every public-school student in North Carolina will be empowered to accept academic challenges, prepared to pursue their chosen path after graduating high school, and encouraged to become lifelong learners with the capacity to engage in a globally-collaborative society.

Mission: The mission of the North Carolina State Board of Education is to use its constitutional authority to guard and maintain the right of a sound, basic education for every child in North Carolina Public Schools.

Goals:

Goal 1: Eliminate opportunity gaps by 2027

Goal 2: Improve school and district performance by 2027

Goal 3: Increase educator preparedness to meet the needs of every student by 2027

Onslow County Schools Statement of Nondiscrimination

Onslow County Schools does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Brendan Gartner, Director 200 Broadhurst Road, Jacksonville, NC 28540, (910) 455-2211. For further information on the notice of non-discrimination, you may call the U.S. Department of Education, Office of Civil Rights, at 1-800-424-3481.

Las escuelas del Condado de Onslow no discriminan basados en raza, color, acionalidad, sexo, discapacidad o edad en sus programas y actividades. La siguiente persona ha sido asignado para manejar e investigar alegaciones referebtea la politica de no discriminacion: Cameron Custy, Directore, 200 Broadhurst Road, Jacksonville, NC 28540, (910) 455-2211. Para mas informacion sobre el aviso de no discriminacion, usted puede llamar al Departamento de Educacion de los Estados Unidos, Oficina de Derechos Civiles, at 1-800-424-3481.

HIGH SCHOOL PROFILES

Dixon High School (DHS)

Principal: Curtis Ehmann
Assistant Principals: Nelson Blair &
Stacy Morton
160 Dixon School Road
Holly Ridge, NC 28445
910-347-2958
910-347-3932 (Fax)
dhs@onslow.k12.nc.us

Eastern North Carolina Regional Skills Center

Director: John Shannon
261 Northwest Corridor Blvd
Jacksonville, NC 28540
910-989-2020

Jacksonville High School (JHS)

Principal: Brenda Hermann
Assistant Principal: James Browning,
Alicia Hodal, & Kimberly Murphy
1021 Henderson Drive
Jacksonville, NC 28540
910-989-2048
910-989-2046 (Fax)
jhs@onslow.k12.nc.us

Northside High School (NHS)

Principal: Brad Staley
Assistant Principals: Jennifer Baggett &
Jaime Smith
365 Commons Drive South
Jacksonville, NC 28546
910-455-4868
910-455-4987 (Fax)
nhs@onslow.k12.nc.us

Onslow County Learning Center (OCLC)

Director: Felecia Walton
Assistant Director: Nicole Crampton
P. O. Box 158 941
Highway 172
Hubert, NC 28539
910-326-2305
910-326-2208 (Fax)
oclc@onslow.k12.nc.us

Onslow Early College (OECHS)

Principal: James Strope
444 Western Boulevard
Jacksonville, NC 28546
earlycollege@onslow.k12.nc.us

Onslow Virtual Secondary School

Principal: Carla Bradshaw
Assistant Principal: Lynn Jackson
365 Commons Drive South
Jacksonville, NC 28546
910-455-2211 ext. 20234

Richlands High School (RHS)

Principal: Steve Clarke
Assistant Principals: Christel Caliguire &
Cara Jackson
8100 Richlands Highway
Richlands, NC 28574
910-324-4191
910-324-6888
rhs@onslow.k12.nc.us

Southwest High School (SWHS)

Principal: Jerome Gidrey
Assistant Principals: Elice Oeser &
Kristin Puzino
1420 Burgaw Highway
Jacksonville, NC 28540
910-455-4888
910-455-3949 (Fax)
swhs@onslow.k12.nc.us

Swansboro High School (SBHS)

Principal: Helen Gross
Assistant Principals: Shawn Lovitt &
Janell Starlin
161 Queens Creek Road
Swansboro, NC 28584
910-326-4300
910-326-1674 (Fax)
sbhs@onslow.k12.nc.us

White Oak High School (WOHS)

Principal: Joycelyn Cassidy
Assistant Principals: Kadren Davis &
Thomas Reed
1001 Piney Green Road
Jacksonville, NC 28546
910-455-1541
910-938-2302 (Fax)
wohs@onslow.k12.nc.us

Content Area	Future Ready Core For Ninth Graders Entering in 2020-2021	Occupational Course of Study (OCS)
English	4 Credits <ul style="list-style-type: none"> English I English II English III English IV 	4 Credits <ul style="list-style-type: none"> English I English II* English III English IV
Mathematics	4 Credits <ul style="list-style-type: none"> NC Math I, II & III & a fourth mathematics course to be aligned with the student's post-high school plans. 	3 Credits <ul style="list-style-type: none"> Introduction to Mathematics NC Math I* Financial Management NOTE: Credit shall be awarded for Math I, II, III if taken prior to the 2016-17 school year.
Science	3 Credits <ul style="list-style-type: none"> Earth/Environmental Science A Physical Science Biology 	2 Credits <ul style="list-style-type: none"> Applied Science Biology*
Social Studies	4 Credits <ul style="list-style-type: none"> One founding principles course, which can be: <ul style="list-style-type: none"> American History: Founding Principles, Civics and Economics Founding Principles of the United States of America and North Carolina: Civic Literacy One American History course, which can be: <ul style="list-style-type: none"> American History I American History II American History World History Economics and Personal Finance 	2 Credits 2020-21 AND LATER <ul style="list-style-type: none"> Founding Principles of USA & NC, Civics Literacy Economics and Personal Finance
World Languages	Not required for graduation but 2 levels required for admission to the UNC System	Not required for OCS
Health and Physical Education	1 Credit <ul style="list-style-type: none"> Health/Physical Education I 	1 Credit <ul style="list-style-type: none"> Health/Physical Education
CPR	Successful completion of CPR for all students' graduation 2015 and beyond	
Electives Or Other Requirements	6 Credits 2 elective credits of any combination from either <ul style="list-style-type: none"> Career & Technical Education (CTE) Arts Education World Languages 	4 elective credits strongly recommended (four course concentration) from one of the following: <ul style="list-style-type: none"> Career & Technical Education (CTE) JROTC Arts Education (e.g., dance, music, theater arts, visual arts) Any other subject area or cross-disciplinary courses (e.g., Social Studies, Science, Mathematics, English, World Languages, or Dual Enrollment Courses)
Career/Technology	Not required for graduation but highly recommended	6 Credits Occupational Preparation: <ul style="list-style-type: none"> Occupational Prep I Occupational Prep II Occupational Prep III Occupational Prep IV*** Completion of IEP objectives Career Portfolio required
Arts Education	DPI recommends at least one credit in an arts discipline, but it is not required to meet graduation standards.	DPI recommend at least one credit in an arts discipline, but it is not required to meet graduation standards.
Total Minimum Credits Required	22 Credits (block schools)	22 credits

Content Area	Future Ready Core For Ninth Graders Entering in 2021-2022 and Later	Occupational Course of Study (OCS)
English	4 Credits <ul style="list-style-type: none"> English I English II English III English IV 	4 Credits <ul style="list-style-type: none"> English I English II* English III English IV
Mathematics	4 Credits <ul style="list-style-type: none"> NC Math I, II & III & a fourth mathematics course aligned with the student's post-high school plans. 	3 Credits <ul style="list-style-type: none"> Introduction to Mathematics NC Math I* Financial Management NOTE: Credit shall be awarded for Math I, II, III if taken prior to the 2024-25 school year.
Science	3 Credits <ul style="list-style-type: none"> Earth/Environmental Science A Physical Science Biology 	2 Credits <ul style="list-style-type: none"> Applied Science Biology*
Social Studies	4 Credits <ul style="list-style-type: none"> World History American History The Founding Principles of the USA & NC: Civic Literacy Economics and Personal Finance 	2 Credits 2020-21 AND LATER <ul style="list-style-type: none"> Founding Principles of USA & NC, Civics Literacy Economics and Personal Finance
World Languages	Not required for graduation but 2 levels required for admission to the UNC System	Not required for OCS
Health and Physical Education	1 Credit <ul style="list-style-type: none"> Health/Physical Education I 	1 Credit Health/Physical Education
CPR	Successful completion of CPR for all students' graduation 2015 and beyond	
Electives Or Other Requirements	6 Credits 2 elective credits of any combination from either <ul style="list-style-type: none"> Career & Technical Education (CTE) Arts Education World Languages 	4 elective credits strongly recommended (four course concentration) from one of the following: <ul style="list-style-type: none"> Career & Technical Education (CTE) JROTC Arts Education (e.g., dance, music, theater arts, visual arts) Any other subject area or cross-disciplinary courses (e.g., Social Studies, Science, Mathematics, English, World Languages, or Dual Enrollment Courses)
Career/Technology	Not required for graduation but highly recommended	4 Credits Career/Technical Education electives
Arts Education	DPI recommends at least one credit in an arts discipline, but it is not required to meet graduation standards.	DPI recommends at least one credit in an arts discipline, but it is not required to meet graduation standards.
Total Minimum Credits Required	22 Credits (block schools)	22 credits

* OCS courses aligned with Future Ready Core courses in English II, NC Math I, and Biology (New NC State Standards and new NC Essential Standards implemented in the 2012-13 school year).

**For additional information CTE courses that meet requirements for selected Courses of Study, refer to the CTE Section of the Course Study Guide.

***Students entering 9th grade in the 2014-2015 school year and after: completion of 150 hours school-based training, 225 hours community-based training and 225 hours competitive paid employment or unpaid vocational training, unpaid internships, paid employment at community rehabilitation facilities and volunteer and/or community service hours.

COURSE OF STUDY OVERVIEW

Students entering high school make important decisions about their futures. The *Onslow County High School Registration Guide* is a comprehensive document profiling the individual programs and courses of study at Onslow County's eight high schools. It is an effort to provide students, parents, and school professionals with an instrument to assist students in the selection of courses for grades 9 through 12.

The Onslow County School System believes that every student should be well-informed prior to making decisions concerning course and concentration selection. For that reason, this Secondary Course of Study is designed to assist students and parents in making their secondary school experience pleasant, informative and, most importantly, successful. Students and parents/guardians are encouraged to utilize this information while working closely with school personnel to plan a sequence of courses which will serve to meet the academic needs and accomplish the career goals of the student. Parents are strongly encouraged to take an active role and work collaboratively with school personnel in their child's scheduling process. Teacher recommendations can also be helpful in making course selections.

This educational plan should be formulated carefully and should consider such factors as the student's interests, abilities, educational and career goals. The courses students select will shape the educational experiences they receive during their high school careers. The choice of specific courses is the critical foundation for career and post-secondary preparation. The decisions made will have an important impact on each student's future. In today's highly competitive and increasingly global economy, it is imperative that every student be equipped with the competencies needed to participate fully in a knowledge-based, technologically rich, and culturally diverse society. A high-quality secondary education is the springboard to a successful and rewarding future. By planning ahead for life's choices, a solid foundation is built; therefore, students are encouraged to take the choices they make regarding high school very seriously. Every student should strive to high standards by taking a rigorous and well-rounded course load. Students and parents/guardians alike must realize that the high school transcript is the official record of every course taken in high school and will follow the student throughout his (or her) adult life.

The information contained in this Course of Study outlines graduation requirements, explains testing requirements and provides insight into long-range career/academic planning, as well as providing a listing of high school courses offered in Onslow County schools. Please become familiar with the information in this Course of Study and utilize it to make the most of the high school experience. Additional assistance in this regard is available through each school's Guidance Office.

How to Use This Course of Study:

1. Identify the requirements for graduation by reviewing the chart on pages 6 & 7. Carefully read the course descriptions of both required courses and electives in which you are interested, and make sure you have earned credits in the prerequisite courses.
2. Talk with your school counselors, career development coordinators, and teachers for assistance with determining the courses you need. School staff members will make recommendations to you by using several criteria such as your previous performance in prerequisite course, test scores, and AP Potential results based on your PSAT information.
3. Utilize the career development plan developed by you and your counselor in Major Clarity to select the courses you want to take this year and throughout your years in high school.
4. Meet with your counselor to make your course selections. Have your parent/guardian review your selections to make sure you have registered for the courses you need to pursue your post-secondary goals.

Schedule Changes

Registration is a commitment to take the courses you have selected. Remember, when you complete your registration, you are requesting a specific course— NOT a specific teacher, time, or place. Every effort will be made to grant requests by linking you with schools that will offer special courses within guidelines to be established by the school board. You may choose the courses you would like to take in the next school year; however, your schedule may change pending final grades in the courses you are currently taking and your End-of-Grade (EOG) or End-of-Course (EOC) scores. Parent or guardian permission must accompany your request for schedule changes. By NC statute, final decisions for student placement rest with the school principal.



EARLY GRADUATION

Early Graduation is a major decision that requires principal approval. Choosing to graduate early may have a significant impact on available post-high school education and employment options. The decision should be well-planned and thoughtfully made only after careful consideration by both the student and parents. The school's counselor will be able to provide post-secondary options available to early graduates. Students who have completed all graduation requirements may request to graduate early, either at the mid-year of their senior year or the end of their junior year. The student's grade classification will be based on the OCS high school promotion standards. Diplomas are awarded only at the end of the school year.

Diploma Endorsements:

Students enrolled in North Carolina high schools shall have the opportunity to earn Endorsements to their High School Diploma that identify a particular area of focused study, beginning with the graduating class of 2019-2020. The earning of endorsements shall be based on the following criteria:

1. Students shall meet all requirements set forth in State Board Policy, "State Graduation Requirements" related to earning a high school diploma.
2. Students may earn a Career Endorsement, a College Endorsement, a College/UNC Endorsement, a North Carolina Academic Scholars Endorsement, and/or a Global Languages Endorsement
3. The requirements for earning these endorsements are defined below:
These endorsements are earned by completing specific coursework, maintaining a minimum grade point average, hitting ACT or SAT reading markers, and earning additional industry certification- career endorsement only. For specific information on the requirements to earn the Career Endorsement, College Endorsement, College/UNC Endorsement, NC Academic Scholars Endorsement or Global Languages Endorsement, please visit the Diploma Endorsements webpage at <https://www.dpi.nc.gov/districts-schools/high-school-graduation-requirements/high-school-diploma-endorsements>
4. Students may earn more than one Endorsement.
5. Students are not required to earn an Endorsement to receive a diploma.

PREPARING FOR COLLEGE IN NORTH CAROLINA

POST-SECONDARY EDUCATION

The University of North Carolina Seventeen Constituent Universities

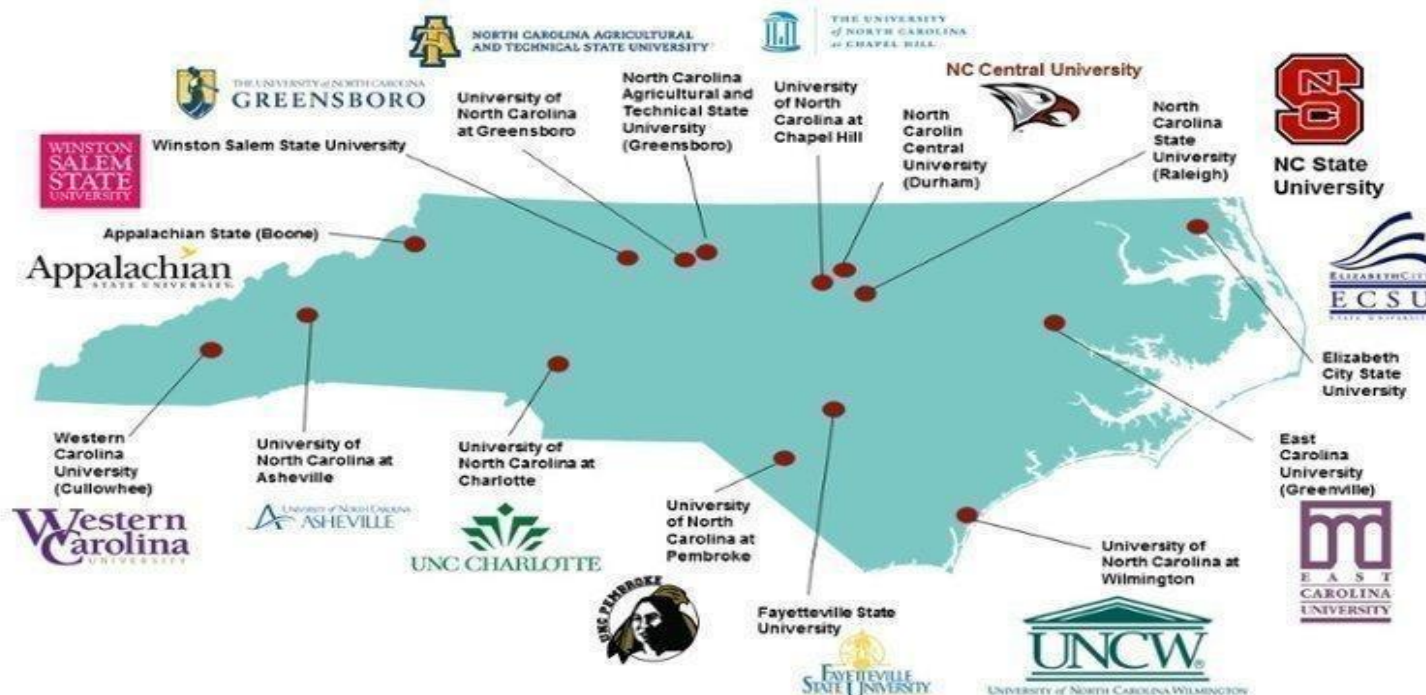
- Appalachian State University
- East Carolina University
- Elizabeth City State University
- Fayetteville State University
- North Carolina Agriculture & Technical State University
- North Carolina Central University
- North Carolina School of the Arts
- North Carolina State University
- North Carolina School of Science & Mathematics
- University of North Carolina at Asheville
- University of North Carolina at Chapel Hill
- University of North Carolina at Charlotte
- University of North Carolina at Greensboro
- University of North Carolina at Pembroke
- University of North Carolina at Wilmington
- Western Carolina University
- Winston-Salem State University

Minimum Admission Requirements at the Seventeen Campuses of the University of North Carolina system:

- Four (4) English Courses (English I, English II, English III & English IV)
- Two (2) Social Studies (US History + one additional course)
- Three (3) Sciences (one life or biological science, one physical science and at least one laboratory science)
- Four (4) Math Courses (Math I, Math II, Math III, and a mathematics course beyond Math III).
- Two (2) additional courses from English, mathematics, science, social studies, world language, or computer science.

The UNC System Admission Requirements

Year	GPA	Minimum SAT	Minimum ACT Composite
Fall of 2024 and beyond	2.5	1010	19



Course Credits

Specific courses required for high school graduation may be taken in middle school. Students enrolled in grades 6 through 8 who pass eligible courses (see State Board of Education policy [CCRE-001](#)) that are described in the North Carolina Standard Course of Study for grades 9 through 12 will receive high school credit. The student's high school GPA will be computed only with courses taken during the high school years (9th–12th grades). Grades for courses taken while in middle school are not part of the high school GPA calculation.

Repeating a Previously Failed Course

In alignment with State Board of Education policy [CCRE-001](#), high school students who have failed a course for credit can repeat the course. Beginning in the 2015–16 school year, for students who initially fail a high school course and repeat the full course (not credit recovery) and earn a passing grade, the passing grade will replace the failing grade in GPA calculation.

Course Load

Students are expected to attend school full time and to be enrolled in a full load of courses. Exceptions are made for students approved for work-based learning experiences taken in conjunction with Career & Technical Education courses and for those taking dual enrollment courses at Coastal Carolina Community College.

Withdrawal from an EOC Course

Per 16 N.C. Admin Code 06D. 0309, "Public school students may drop a course with a required EOC test within the first 10 days of enrollment in a semester block schedule or within the first 20 days of enrollment in a yearlong traditional schedule. Students who are enrolled for credit after the 10/20 days, regardless of course delivery (e.g., traditional classroom, NC Virtual Public School, vendor- based online) shall not drop a course with a required EOC test and shall participate in the appropriate EOC test at the completion of the course."

Exceptions to the 10/20 day rule are allowed when it is in the best interest of the student to be removed from a course requiring an EOC test. These cases should be evaluated individually, and consideration should be given to ensure the accountability of the school is not compromised. Some examples of acceptable individual student withdrawals after the first 10/20 days of enrollment include the following:

- Transfer student inappropriately placed in an EOC course. If a student transfers into a school and his or her records do not arrive until after the first 10/20 days to inform a proper placement decision, the school has the latitude to withdraw the student from the EOC course and place the student in the appropriate course.
- Student is withdrawn from a course to enroll in a higher-level course. Occasionally, a student may be better served to withdraw from an EOC course and enroll in a higher-level course. In such cases, the student takes the appropriate test for the higher-level course; the school remains accountable through the higher-level course. Students must not be withdrawn from an EOC course and enrolled in a higher-level course within the last six weeks of the course.
- There is a valid medical reason for removing a student from an EOC course. In rare cases, an individual student may be deemed medically fragile because of a significant medical emergency or condition, such as an accident, that incapacitates the student for an extended period of time. In such instances, it may be in the student's best interest to be withdrawn from a course.

The principal of the school should review each case individually and decide in consultation with the PSU test coordinator, teacher, and parent or guardian whether withdrawal from the course is necessary. If it is determined the student should be withdrawn from the course (after the first 10/20 days), the school must request approval from the Senior Director of the Office of Accountability and Testing using the Process for Notification of Withdrawals after the 10/20 Days in NC Education.

Grading Scale

OCS requires all parents/guardians to be informed at regular intervals on the academic progress of their children. In addition to the regular report cards, interim progress reports will be issued during the six-week grading period to inform parents/guardians and invite cooperation when it appears students are making unsatisfactory progress or have been absent from school an excessive number of days.

Grades shall reflect a student’s progress in meeting the objectives of a specified curriculum or course. Teachers shall keep accurate records which reflect how they have determined each student’s grades. Grades shall be weighted for honors, AP, CCP, and IB courses.

The superintendent or his/her designee shall issue regulations to ensure that the grading system is uniform at all grade levels throughout the school system.

GRADING SCALE- SBE Policy GRAD-009			
GRADING SCALE			
	A = 90 – 100	D = 60 – 69	
	B = 80 – 8	F = 59 and below	
	C = 70 – 79	I = Incomplete	
QualityPoints LetterGrades	Standard Courses	Honors Courses	AP/IB/CCP Courses
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1.5	2
F	0	0	0

Grade Classification

To be classified as a:

SOPHOMORE: A student must have earned 6 credits

JUNIOR: A student must have earned 12 credits

SENIOR: In rare instances students must have a minimum of 18 credits.

A student will be classified by individual contracts to determine the necessary credits to graduate within a specified program and with the minimum number of required credits.

Concentrated Block Curriculum Schedule

Onslow County Schools follows a concentrated block curriculum schedule. Students have the opportunity to earn eight units of credit during one academic year (two semesters). More credits may be earned through the utilization of extended opportunities such as NCVPS, OVA and Career and College Promise.

NORTH CAROLINA TESTING

ADVANCED PLACEMENT AND INTERNATIONAL BACCALAUREATE EXAMS

Onslow County high schools offer both Advanced Placement (AP) and International Baccalaureate (IB) courses. These courses are designed for students who are ready for the rigor of college-level work and are willing to dedicate significant time outside of class to be academically successful at a high level. AP/IB classes may be after school or weekend labs and additional review sessions. Students are encouraged to begin AP/IB courses as soon in their high school career as appropriate. Students are encouraged to take the most rigorous courses offered in their schools in preparation for AP/IB courses. Students are also encouraged to sign up for and take the AP or IB exam associated with the courses they take. North Carolina pays the fee for AP and IB exams the student has been enrolled in during the current school year. Transferable college credit may be earned by attaining the required scores on the national AP or International IB exams. Students should consult with their chosen college to determine the test grade required to receive credit at that institution. Standards vary across the state and the nation.

STATE ASSESSMENTS

- **End-of-Course Assessments (EOC):** The North Carolina Accountability Program mandates testing in all end-of-course offerings where a state assessment is available. Students are required to take the assessment which is administered as a final exam and counts as 25 percent of the student's final grade. Students must take the assessment to receive credit for the course. Additional information on this process may be found on the Department of Public Instruction website, www.ncpublicschools.org.
- **Career and Technical Education State Assessment:** The Career and Technical Education Program of Studies mandates testing in all Career and Technical Education classes. Students are required to take the assessment which is administered as a final exam and counts 25 percent of the student's final grade.
- **WorkKeys®** is a job skills assessment system that helps employers select, hire, train, develop, and retain a high-performance workforce. **WorkKeys®** helps ensure that individuals are ready for work—and for life. If students are going to be adequately prepared for the workforce, they need to understand the requirements for jobs they are considering. **WorkKeys®** helps students determine the skill levels required for various jobs. Students identified as completing a cluster in their senior year (and/or junior year if designated as an early graduate) are **required** to participate in the **WorkKeys®** assessment.
- **PreACT®:** The **PreACT®** program helps 10th graders build a solid foundation for future academic and career success and provides information needed to address school districts' high-priority issues. It is a comprehensive guidance resource that helps students measure their current academic development, explore career/training options, and make plans for the remaining years of high school and post-graduation years. All students enrolled in PowerSchool in grade 10 will be **required** to participate in the administration of **PreACT®**.
- **ACT®:** The **ACT®** test assesses high school students' general educational development and their ability to complete college-level work. The multiple-choice tests cover four skill areas: English, mathematics, reading, and science. The Writing Test measures skill in planning and writing a short essay. All students identified in PowerSchool in 11th grade will be **required** to participate in **ACT®**.

Programs for Exceptional Students

**Enrollment in these courses is dependent on the student's graduation pathway and the goals as determined by the student's Individual Education Program (IEP).*

Exceptional students are students who have been determined eligible for services under IDEA in at least one of 14 areas of disability. A multidisciplinary team develops and monitors an Individual Education Plan (IEP) for identified students that provides for accommodations, modification, and services that ensure identified students have access to the general curriculum and make progress in targeted goal areas. Onslow County Schools is committed to ensuring that a continuum of placements is available to meet each individual student's need. The majority of exceptional students are participating in the Future Ready Course of Study leading to a high school diploma. A select group of students with greater needs participate in the Occupational Course of Study which also leads to a high school diploma. Students participating in this pathway complete academic work and vocational training along with 600 hours of work experience (150 school hours, 225 community hours, and 225 hours from either a job, internship, or volunteer experience). The most significantly impacted students with delays across domains participate in the North Carolina Extensions to the Standard Course of Study which leads to a Graduation Certificate. This pathway focuses on functional academics and skills needed to be as independent as possible in life after high school. For more information pertaining to the different curriculum pathways and their requirements, please contact your child's exceptional needs teacher/case manager, the school administrator, or the Exceptional Children Services district office.

All general courses are available for exceptional students on the Future Ready Course of Study, with no unique designation in the course guide or on transcripts. Classes for students following the Occupational Course of Study will show "BXOC" and North Carolina Extended Content Standards will have "AXOC" in their prefix. In addition, the following courses are available to exceptional students according to their graduation pathway and individual needs:

Additional elective courses only for exceptional students following the Future Ready Course of Study

SUPPORT FOR INTERVENTIONS ENGLISH

This course is designed to give individualized support for students who have been identified to need assistance in the areas of reading and writing by their IEP team.

SUPPORT FOR INTERVENTIONS MATH

This course is designed to give individualized support for students who have been identified to need assistance in the areas of math calculation and computation by their IEP team.

SUPPORT FOR INTERVENTIONS SOCIAL SKILLS

This course is designed to give individualized support for students who have been identified to need assistance in the areas of social skills and behavior by their IEP team.

Occupational Course of Study:

“The Future Ready Core Occupational Course of Study diploma Pathway (FRC-OCS) is one of the two high school pathways leading to a diploma and is only available to students with IEPs. FRC-OCS was designed for students with intellectual disabilities who are interested in finding and maintaining a job immediately following graduation from high school instead of attending a traditional college. It is appropriate for a student with a disability to consider the FRC-OCS pathway only if the IEP Team determines the Future Ready Course of Study (commonly referred to as a “traditional diploma”) is not appropriate for the student even with the use of modifications, accommodations, use of supplemental aides and services, and allowable course substitutions.”

For Students Entering Grade 9 for the First Time in 2020-2021 or after

1. Two Social Studies credits that shall be:
 - a. Founding Principles of the Unites States of America and North Carolina: Civic Literacy
 - b. Economics and Personal Finance

For Students Entering Grade 9 for the First Time between 2017-2018, 2018-2019, and 2019-2020

1. Two Social Studies credits that shall be:
 - a. American History: Founding Principles, Civics and Economics OR Founding Principles of the US of America and North Carolina: Civic Literacy
 - b. American History I or American History II

Additional core and elective courses only for exceptional students following the Occupational Course of Study

APPLIED SCIENCE

This course provides an overview of basic science topics. Areas of focus include forces and motion, the properties of matter, to the uses and dangers of common chemicals and the positive and negative effects that humans have had on the environment.

FINANCIAL MANAGEMENT

Students will learn the important skills needed to be financially responsible. This course covers wages, taxes, the use of credit and the types of insurance needed when living independently. Students will also apply math skills needed in consumer spending.

EMPLOYMENT PREPARATION I SCIENCE

Students will learn the attitudes and habits that are needed to obtain and maintain employment in their career choice. Students will also begin to develop a job portfolio that provides a record of their high school experience. Students will learn job-seeking skills, work ethic and decision- making skills while participating in school- based work hours.

EMPLOYMENT PREPARATION II SOCIAL STUDIES CITIZENSHIP 1A/1B

Students will develop skills generic to all careers: communication, stamina, teamwork, and self-management. These skills and those learned in Occupational Preparation I will continue to be refined as students continue to work on school- based work hours and begin to participate in community-based hours.

EMPLOYMENT PREPARATION III PREPARATION III CITIZENSHIP 2A/2B

Students continue to hone their work skills while continuing to earn work hours for graduation. Work-based activities allow students multiple opportunities to build leadership and self- determination skills.

EMPLOYMENT PREPARATION IV MATH

Students will synthesize all the skills acquired in previous Occupational Preparation courses and apply them to their personal career choice. This course also provides students with the time to finish completing work hours required for successful completion of the Occupational Course of Study.

Additional core and elective classes only for exceptional students following the NC Extensions Pathway leading to a Graduation Certificate.

English Learner Program

The **English Learner (EL) Program** helps ensure that “students identified as limited English proficient (LEP) attain English proficiency, develop high levels of academic attainment in English, and meet the same challenging State academic content and student academic achievement standards as all students are expected to meet.” (No Child Left Behind Act of 2001). EL services are available to any student who is enrolled in an Onslow County school (grades K-12) and who has been assessed and identified as limited English proficient.

College Transfer — Designed for students planning to continue their educational career beyond high school to eventually achieve an associate’s or bachelor’s degree at a community college or university.

Career & Technical Education — Allows students to begin a certification or diploma program in a particular technical field or career area.

Cooperative Innovative High Schools — North Carolina’s early colleges and other innovative schools are small public high schools, usually located on the campus of a university or community college, where students simultaneously work toward completion of both the high school diploma and an associate degree, transferrable credit, or certificate.

Career & College Promise (CCP is North Carolina’s dual enrollment program for high school students. This program allows eligible NC high school students to enroll in college classes at North Carolina community colleges and universities through their high school. Students who successfully complete college courses earn college credit they can take with them after graduation. In many cases, students can also earn dual credit — meeting high school graduation requirements with college courses. Career & College Promise offers North Carolina high school students’ options to pursue educational and career goals of their choice using a rigorous, yet supportive structure designed to help them become successful. For more information about the Career and College Promise program, including courses offered and eligibility requirements, please visit the Career and College Promise webpage at <https://www.coastalcarolina.edu/academics/ccpp/>.

Coastal Carolina Community College employs counselors who visit each high school campus on a weekly basis to assist with information and enrollment. Students may reach their Career and College Promise counselor by signing up for a time in the school counselor office. Some Career and College Promise courses are offered on high school campuses based upon student interest and availability of teaching faculty. For more information, contact your school counselor.

Credit by Demonstrated Mastery (CDM)

In Onslow County Schools, Credit by Demonstrated Mastery (CDM) allows students to show deep understanding of content and processes in most high school courses. CDM is for students who have mastery over all or the vast majority of course content prior to receiving instruction. This understanding will be shown through a multi-phase process which will include an examination and a product. Student work on each element will be assessed to determine if it reaches the level necessary to receive course credit. ***Students who demonstrate mastery will receive course credit, but not grade points.*** Students may only attempt CDM for a course one time. CDM should be completed at least one semester in advance of any schedule changes. Students and families should carefully consider the long-term scheduling implications when considering CDM. High school courses offered at the middle school level can also be considered for CDM. Students and families interested in CDM should contact their school counselor. For more information regarding CDM in Onslow County please visit the county website at www.onslow.k12.nc.us or contact Michael Elder at (910) 455-2211 ext. 20264 or michael.elder@onslow.k12.nc.us.

Instruction for Gifted Students

Students are often identified as Academically or Intellectually Gifted (AIG) during the elementary school years. Screening, testing, and gifted identification can, however, be requested throughout middle and high school. Curricula for the highest ability students follows the NC Standard Course of Study and a variety of differentiation techniques are utilized to meet the needs of gifted students. Gifted students receive guidance in alignment with the courses that will best meet his/her gifted area as well as interests. This plan is referred to as the Differentiated Education Plan or Academic Blueprint and is updated annually with the input of teachers, parents, and the student. Coursework is one form of differentiation. Gifted children are encouraged to take courses that will challenge their academic potential at the Honors, Advanced Placement (AP), and/or International Baccalaureate (IB) level. Students are also encouraged to enroll in challenging Career and Technical Education (CTE) programs of study that align with future plans. School counselors provide services and counseling which specifically address the social and emotional needs of gifted children. In addition, school counselors seek to meet the social and emotional needs of gifted students through individual and small group counseling as needed.

At the middle and high school level, enrichment opportunities can also be a way to reach the needs of gifted students. AIG students are encouraged to take advantage of and apply for Odyssey of the Mind, Science and Engineering Fair, Battle of the Books, and a variety of other opportunities. Programs such as the North Carolina Governor's School, the North Carolina School of Science and Math, Summer Ventures, and advanced coursework through North Carolina Virtual Public School are also offered as resources that meet the varied needs of gifted learners. It is the belief of Onslow County Schools that gifted students are gifted all day, every day and therefore instruction must be modified in all courses to challenge gifted students. Gifted specialists are available to assist students at each middle and high school.

Virtual Learning Opportunities

North Carolina Virtual Public School (NCVPS)

The purpose of the NCVPS is to provide online, e-Learning opportunities to North Carolina middle and high school students. **This opportunity is available at no cost to students.**

Onslow County students are eligible for e-Learning courses if they are enrolled two face-to-face periods a day on an Onslow County High School campus. Contact a school counselor for enrollment policies and procedures. Administrative approval is required prior to enrollment in NCVPS courses.

Students may enroll in courses that are unavailable at their school and for courses that augment their local school's program of study. There are a variety of available options including:

- Advanced Placement courses not offered on the school campus.
- Courses required for graduation that are at capacity on the school campus.
- Courses for homebound/hospital-bound students who wish to graduate on time.
- Courses to enable three-year high school graduation.

All NCVPS courses are taught by highly qualified North Carolina licensed teachers. Students enroll through their local districted high school, grades are reported to their school, and their districted school awards credit. The courses use learning management and collaborative software to maximize student interaction in each class. NCVPS teachers use the latest technologies to engage students as well as prepare them to be career and college ready.

Students (and their parents/guardians) interested in enrolling in an e-Learning course should become familiar with the information and course catalog found on the NCVPS website: <http://www.ncvps.org>. An e-Learning (online) environment requires that students be personally responsible in terms of meeting deadlines, be independently motivated, possess proficient reading, writing and computer skills and have an organized approach to study.

North Carolina School of Science and Mathematics (NCSSM)

NCSSM Open Enrollment Courses

The Onslow County School System seeks to make more opportunities possible for high school students through partnerships with the NC School of Science and Math (NCSSM). The Open Enrollment program from NCSSM allows 10th, 11th, or 12th grade students to enroll in courses such as Honors Introduction to Computer Science and Computational Thinking, AP Calc, Honors Statistical Modeling, AP Psychology, Honors Aerospace Engineering, Honors Science of Race, Honors Global Public Health and Infectious Disease, Honors Genetics and Biotechnology, Honors Creative Design for the Web, Tech Art: Honors Intro to Art, Tech, and World-Building in Video Games, Honors Intro to Communication in Public and Environmental Health Research, Honors African American Studies. Enrollment is not guaranteed, and some courses have prerequisites. All courses are offered virtually, and most are synchronous. An early discussion with school counselors is encouraged. <https://www.ncssm.edu/openenrollment>

NCSSM Residential and Online High School

Students may apply during their sophomore year to be considered for selection to the NCSSM. Applications are typically open in October and due by early January. If selected, a student completes their junior and senior year as a student of NCSSM. NCSSM offers a fully virtual high school experience as well as a residential program. The residential program is held in Durham, NC and in 2022 will have a second campus in Morganton, NC. Student. For more information visit <https://www.ncssm.edu/>

Eastern North Carolina Regional Skills Center

The Eastern North Carolina Regional Skills Center (ENCRSC) is a state-of-the-art facility designed to bring the resources of many Career and Technical Education (CTE) programs together in one central location to serve a larger audience from many high schools as opposed to a program that is offered at one or only a few high schools. This collaborative effort will also involve students from neighboring school districts. Students from Duplin County Schools, Jones Senior High School and Lejeune High School have been invited to attend the ENCRSC to take advantage of these regional resources as well. Currently ENCRSC offers the following pathways: Automotive Services, Collision Repair, Culinary Arts, Healthcare Professional, HVAC/R, Game Art/Animation and Design, Network Security, Robotics Engineering, and Welding.

Automotive Services Career Pathway (AUTO)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IT11 Automotive Service Fundamentals & IT16 Automotive Service I	IT17 Automotive Service II & IT18 Automotive Service III	CTE Advanced Studies OR CTE Internship	ENCRSC

AUTOMOTIVE SERVICE FUNDAMENTALS

Today's vehicles are so advanced that it takes a technician to service them. This course will teach you automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Safety and teamwork are key components to this introductory course.

Course Number:	IT112X0C	Pathway:	Automotive Services
Prerequisite:	Must enroll in IT16 Automotive Service I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	S/P2 Mechanical Safety S/P2 Mechanical Pollution Prevention		

AUTOMOTIVE SERVICE I

Do you want to learn more about automotive knowledge and skills? Basic maintenance, brakes, electrical systems, drivetrain, heating and air, steering, and suspension are part of the course. The hands-on experience you will gain in this class may give you the opportunity to earn certification that can help you get a job as an auto mechanic.

Course Number:	IT162X0C	Pathway:	Automotive Services
Prerequisite:	Must enroll in IT11 Automotive Service Fundamentals concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

AUTOMOTIVE SERVICE II - HONORS

Do you want to learn more about advanced automotive knowledge and skills? Through hands-on experience, you will develop advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems.

Course Number:	IT175X0C	Pathway:	Automotive Service
Prerequisite:	IT16 Automotive Service I Must enroll in IT18 Automotive Service III concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ASE Entry-Level Certification Maintenance and Light Repair ASE Entry-Level Certification-Brs		

AUTOMOTIVE SERVICE III - HONORS

Do you want to be an automotive technician? In this advanced course, you will learn about advanced maintenance, brakes, electrical systems, drivetrain, heating and air, steering, and suspension. The hands-on experience you will gain in this class may give you the opportunity to earn the Automotive Service Excellence (ASE) certification that will help you get a job as an auto technician.

Course Number:	IT185X0C	Pathway:	Automotive Service
Prerequisite:	Must enroll in IT17 Automotive Service II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ASE Auto Maintenance and Light Repair Certification (Test G1) ASE Entry-Level Certification- Electrical/Electronic Systems		

Collision Repair Career Pathway (COLL)

Prerequisite	Concentrator	Career Pathway Major	Schools
IT30 Collision Repair Fundamentals & IT31 Collision Repair I	IT32 Collision Repair II Non-Structural & IT33 Collision Repair II Refinishing	CTE Advanced Studies OR CTE Internship	ENCRSC

COLLISION REPAIR FUNDAMENTALS

Ever watch videos on custom cars? You will learn basic safety, equipment, and materials used to fix wrecked or rusted vehicles. This is also the first class you will need to learn how to customize your ride.

Course Number:	IT302X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT31 Collision Repair I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	S/P2 Collision Repair and Refinish Safety S/P2 Collision Repair and Refinish – Pollution Prevention		

COLLISION REPAIR I

Upgrade your skills and your ride. Learn about trim and hardware, material identification, steel cosmetic, straightening and plastic repair, movable glass replacement, and bolted-on parts replacement. You will also start working on I-CAR certifications to help you get a job in the auto body field.

Course Number:	IT312X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT32 Collision Repair Fundamentals concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

COLLISION REPAIR II – NON-STRUCTURAL - HONORS

Broaden your skills to restore, fix or build your custom ride? You will learn more about trim and hardware, material identification, steel cosmetic straightening, plastic repair, moveable glass replacement, and bolted-on parts replacement. You will also continue working on I-CAR certifications to help you get a job in the auto body field.

Course Number:	IT325X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT33 Collision Repair II - Refinishing concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	I-CAR Platinum™- ProLevel® 1 for Non-Structural		

COLLISION REPAIR II – REFINISHING - HONORS

The dings are out, and the body is like new again. It's time to prep, prime, and paint. You will learn about repairing and priming vehicles and parts, spray guns, sanding, buffing, and detail a refinished vehicle. You will also continue working on I-CAR certifications to help you get a job in the auto body field.

Course Number:	IT335X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT32 Collision Repair II – Non-Structural concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	I-CAR, I-CAR Platinum™- ProLevel® 1 for Refinishing ASE Entry-Level Certification – Painting and Refinishing		

Culinary Arts Applications Career Pathway (CULA)			
Prerequisite & Concentrator	Career Pathway Major	Career Pathway Major	Schools
FH10 Culinary Arts & Hospitality I & FH11 Culinary Arts & Hospitality II Applications	FH13 Culinary Arts & Hospitality III & FH14 Culinary Arts & Hospitality IV Applications	CTE Advanced Studies OR CTE Internship	ENCRSC

CULINARY ARTS AND HOSPITALITY I

Interested in becoming a professional chef? Do you want to take your basic food skills to the next level? In this introductory course, you will learn food prep skills and prepare breakfast foods, soups, sandwiches, and salads. You will also learn how to serve customers in a restaurant setting.

Course Number:	FH102X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH11 Culinary Arts & Hospitality II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Certified Food Protection Manager (Serve Safe)		

CULINARY ARTS AND HOSPITALITY II APPLICATIONS

Continue honing and demonstrating your chef skills in the school-based restaurant. Concentration on preparing and selling breakfast items, salads, sandwiches, quick breads and cookies.

Course Number:	FH112X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH10 Culinary Arts & Hospitality I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Certified Food Protection Manager (Serve Safe)		

CULINARY ARTS AND HOSPITALITY III- HONORS

Begin advanced food preparation techniques. You will learn menu planning and how to order the right amount of ingredients from a food service to put that menu in action. This level concentrates on making yeast breads, pastries, and desserts to sell in its school-based restaurant.

Course Number:	FH132X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH14 Culinary Arts & Hospitality IV Applications concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ProStart Certificate of Achievement Pre-Professional Assessment Certification in Culinary Arts		

CULINARY ARTS AND HOSPITALITY IV APPLICATIONS- HONORS

Continue to advance your culinary skills preparing and selling a variety of meat, poultry, and seafood entrées served with accompaniments and sauces and yeast breads, desserts, and pastries. Students learn human resource management of a restaurant and create a portfolio of their work from the Culinary Arts and Hospitality pathway.

Course Number:	FH142X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH13 Culinary Arts & Hospitality III Applications concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ProStart Certificate of Achievement		

Game Art Design Career Pathway (GAAR) & Digital Design and Animation Career Pathway (DIDE)			
Prerequisite	Concentrator	Career Pathway Major	Schools
CD20 3D Modeling and Animation I & CD21 3D Modeling and Animation II	CD30 Game Art Design & CD31 Advanced Game Design	CTE Advanced Studies OR CTE Internship	ENCRSC

3D MODELING AND ANIMATION I

It's all about learning to apply software skills to make graphic design work for Web, TV, Video Games and Movie Animations. These skills are contracted from all over the world to independent digital designers who are working from home! You will learn the basics of Harmony, Storyboard Pro, InDesign, Photoshop and Illustrator design software to open doors to cartooning, special effects and multimedia job opportunities.

Course Number:	CD202X0C	Pathway:	Digital Design and Animation
Prerequisite:	Must enroll in CD21 Digital Design and Animation II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Autodesk 3ds Max Certified Associate		

3D MODELING AND ANIMATION II

Continue from DD&A I to learn and apply 3D design skills to create and animate original cartoon characters, 3D game characters and assets, virtual 3D animated scenes and using light and gravity to bring realism to your work. This course requires creative and technical focus not found in other courses. Get ready to excel at your chosen college or specialty schools and jobs when you successfully immerse yourself into this fantastic field!

Course Number:	CD212X0C	Pathway:	Digital Design and Animation
Prerequisite:	CD20 3D Modeling and Animation Must enroll in CD20 3D Modeling and Animation concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Autodesk 3ds Max Certified Associate		

GAME ART DESIGN

Learn how to use design software to create 2D characters, scenes, objects and features for board games, comics and 2D video games. Find out the must have dynamic constructs and concepts of game play and how to apply them to make your game fun. Learn basic coding in Game Maker to make a Beta version multi-level 2D game during this class.

Course Number:	CD302X0C	Pathway:	Game Art Design
Prerequisite:	CD30 3D Modeling & Animation I, CD21 3D Modeling & Animation II		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

ADVANCED GAME ART AND DESIGN

Advance your game design skills. Learn how to model 3D characters, scenes and objects and features for a multi-level 3D video game using 3Ds Max and the Unreal Engine platform. Learn how to make a Game Doc to submit your game to investors. This work at home field allows you to be contracted by game design companies around the world!

Course Number:	CD312X0C	Pathway:	Game Art Design
Prerequisite:	CD31 Game Art and Design		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

Multimedia artists and animators create special effects, animation and visual images for television, movies, video games, and other media. They create two and three-dimensional models and digital animation showing objects in motion or illustrating a process.

What do they typically do:

- Create graphics and animation using computer programs and illustrations.
- Work with a team of animators and artists to create a movie, game, or visual effect.
- Research upcoming projects to help create realistic designs or animations.
- Develop storyboards that map out key scenes in animations.
- Edit animations and effects using feedback from directors, other animators, game designers, or clients.

Meet with clients, other animators, game designers, directors, and other staff, which may include actors, to review deadlines and development timelines.

Assemble, typeset, scan, and produce digital camera-ready art or film negatives and printer's proofs.

Create pen-and-paper images to be scanned, edited, colored, textured, or animated by computer.

Health Care Professional Career Pathway (HPCP)			
Prerequisite & Concentrator	Career Pathway Major	Career Pathway Major	Schools
HU40 Health Science I & HU42 Health Science II <i>(These courses must be taken at the home high school)</i>	HN43 Nursing Fundamentals and Practicum (H) (2 credits)	CTE Advanced Studies OR CTE Internship	ENCRSC

NURSING FUNDAMENTALS AND PRACTICUM - HONORS

Have you watched Grey's Anatomy and thought "I could do that!"? This course trains you to become a North Carolina Nurse Aide I. In this course

you will learn skills needed as a Nurse Aide, but more importantly receive valuable experience that can begin your path to becoming a nurse. You must perform 40 hours of clinical nursing experience off campus under the supervision of your teacher. Additional qualifications will apply. **This is a two-period course.**

Honors Course Number:	HN435X03	Pathway:	Healthcare Professional
Prerequisite:	HU42 Health Science II		
Schools:	ENCRSC		
Aligned Industry Credential:	North Carolina Nurse Aide I		

Healthcare Professional Career Pathway (HPCP)			
Prerequisite & Concentrator	Career Pathway Major	Career Pathway Major	Schools
HU40 Health Science I & HU42 Health Science II <i>(These courses must be taken at the home high school)</i>	HN32 Pharmacy Technician & HN44 Fundamentals of Gerontology	CTE Advanced Studies OR CTE Internship	ENCRSC

**Did
You
Know**

It is estimated that North Carolina will need 7,462 additional nurses by 2026!

Annual Salaries for Registered Nurses in North Carolina

Lower End Wage (10th Percentile)

\$46,130 (\$22.18/hr.)

Middle Wage (50th Percentile)

\$62,940 (\$30.26/hr.)

Higher End Wage (90th Percentile)

\$ 86,650 (\$41.66/hr.)

HVACR Heating, Ventilation & Air Conditioning (HVAC)				
Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
IC00 Construction Core (Must be completed at home high school)	IC31 HVACR I	IC32 HVACR II	IC33 HVACR III OR CTE Advanced Studies OR CTE Internship	ENCRSC

HVACR I - HONORS

We don't notice the air conditioners and heaters in our homes until they stop working. Who are you going to call? This course is designed for you to develop basic HVAC skills. You will learn terminology, trade mathematics, basic electricity, heating, cooling, air distribution systems, and basic copper soldering and brazing.

Honors Course Number:	IC5X0C	Pathway:	HVAC/R
Prerequisite:	IC00 Construction Core / Must enroll in IC32 HVAC/R concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NC NCCER HVAC/R Credential		

HVACR II- HONORS

Advance your HVAC skills to learn basic technician practices. You will learn alternating current, compressors, refrigerants and oils, leak detection, evacuation, recovery and charging, metering devices, heat pumps, and basic maintenance.

Honors Course Number:	IC322X0C	Pathway:	HVAC/R
Prerequisite:	Must enroll in IC31 HVACR concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NC NCCER HVACR Credential		

HVACR III- HONORS

Broaden your skills to becoming an HVAC technician. In this course, you will learn advanced skills in flexible duct systems, commercial airside systems, and air quality equipment.

Honors Course Number:	IC332X0C	Pathway:	HVAC/R
Prerequisite:	IC32 HVACR II Must enroll in WB05 Advanced Studies in Architecture & Construction concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NC NCCER HVACR Credential		

Heating, air conditioning, and refrigeration mechanics and installers, often called HVACR technicians, work on heating, ventilation, cooling, and refrigeration systems that control the temperature and air quality in buildings.

What do they typically do

- Use blueprints or design specifications to install or repair HVACR systems
- Connect systems to fuel and water supply lines, air ducts, and other components
- Install electrical wiring and controls and test for proper operation
- Inspect and maintain customers' HVACR systems
- Test individual components to determine necessary repairs
- Repair or replace worn or defective parts
- Determine HVACR systems' energy use and make recommendations to improve efficiency
- Travel to worksites

Robotics Engineering Career Pathway (DREN)			
Prerequisite	Concentrator	Career Pathway Major	Schools
TL18 Robotics I - Engineering	TL19 Robotics II – Engineering	CTE Advanced Studies OR CTE Internship	ENCRSC

ROBOTICS I - ENGINEERING

Will robots take over the world? Probably not, but robots are everywhere. You will learn what makes robots work and how they function to make our lives easier. This course focuses on engineering concepts including physics, programming, mechanical systems, and electrical and electronics systems.

Course Number:	TL182X0C	Pathway:	Robotics Engineering
Prerequisite:	Must be enrolled in TL19 Robotics II – Engineering concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

ROBOTICS II - ENGINEERING

Continue your robot building and programming skills with Advanced C Programming. You will complete projects that include giving your robot creations purpose by designing their functionality.

Course Number:	TL192X0C	Pathway:	Robotics Engineering
Prerequisite:	Must be enrolled in TL18 Robotics I – Engineering concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

Did
You
Know

Robotics Engineers earn an average of \$68,931 in North Carolina!

Advanced Manufacturing (ADMA)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IM11 Advanced Manufacturing I	IM14 Manufacturing Robotics	CTE Internship OR CTE Advanced Studies	ENCRSC

ADVANCED MANUFACTURING I- HONORS

This course covers introduction to manufacturing, safety, and equipment maintenance and is based upon the Manufacturing Skills Standards Council's (MSSC) Certified Production Technicians certification (CPT). CPT is recognized by manufacturers in NC and the USA as a fundamental certification needed by advanced manufacturing production workers. Topics included in this course include Introduction to Advanced Manufacturing, Communications, Production Teams, Training and Leadership.

MANUFACTURING ROBOTICS- HONORS

This course is designed to teach students about robotics in manufacturing, including how to program, operator, and maintain a robot used in the manufacturing environment. This course prepares students for FCR-01 FANUC Certified Robot- Operator 1 assessment through NOCTI. English language arts are reinforced.

Network Administration Pathway (NEAD)			
Prerequisite	Concentrator	Career Pathway Major	Schools
BN20 Network Administration I	BN22 Network Administration II	CTE Advanced Studies OR CTE Internship	ENCRSC

NETWORK ADMINISTRATION I

This course is based on industry-validated skill standards. Topics include operating systems, networking, Windows server administration, and security. English language arts and mathematics are reinforced.

Course Number:	BN202X0C	Pathway:	Network Administration
Prerequisite:	Must be enrolled in BN22 Network Administration II concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

NETWORK ADMINISTRATION II- HONORS

This course is based on industry-validated skill standards. Topics of this course include networking security, administrator responsibilities, and documentation of work-based experiences. English language arts and mathematics are reinforced.

Course Number:	BN222X0C	Pathway:	Network Administration
Prerequisite:	Must be enrolled in BN20 Network Administration I concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

Cybersecurity Pathway (CS)			
Prerequisite	Concentrator	Career Pathway Major	Schools
CI30 Cybersecurity I	CI31 Cybersecurity II	CTE Advanced Studies OR CTE Internship	ENCRSC

CYBERSECURITY I

This course is designed to provide students with a solid foundation in Network Security. The experience includes students focusing on threats, attacks and vulnerabilities, technologies and tools, and architecture and design.

Course Number:	CI302X0C	Pathway:	Network Security
Prerequisite:	Must be enrolled in CI31 Cybersecurity II		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

CYBERSECURITY II- HONORS

This course is designed to prepare students with the skills and knowledge to install, configure, and troubleshoot computer networks. The experience includes students focusing on the identifying and accessing management, risk management, and cryptography and PKI.

Course Number:	CI312X0C	Pathway:	Network Security
Prerequisite:	Must be enrolled in CI30 Cybersecurity I concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

Welding Career Pathway (WELD)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IM61 Welding Technology I & IM62 Welding Technology II	IM63 Welding Technology III & CTE Advanced Studies	CTE Internship	ENCRSC

WELDING TECHNOLOGY I - HONORS

Welding I introduces students to the basic industrial welding practices in stick welding and learning to weld in all positions. Topics include safety, hand and power tools, and the thermal cutting process.

Course Number:	IM615X0C	Pathway:	Welding
Prerequisite:	Must enroll in IM62 Welding Technology II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE - Thermal Cutting Process OSHA-10- Hour Industry Certification S/P2 - Welding Safety and Pollution Prevention		

WELDING TECHNOLOGY II - HONORS

Advanced metal welding to include fillet welds, v-groove welds, plasma arc cutting and weld inspection. Students prepare to achieve the AWS welding certification in the flat and vertical positions.

Course Number:	IM625X0C	Pathway:	Welding
Prerequisite:	Must enroll in IM61 Welding Technology I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE- Shielded Metal Arc Welding (SMAW)		

WELDING TECHNOLOGY III - HONORS

Designed to develop the more advanced welding techniques and cutting practices used in today's industry and construction. Students learn in depth metal properties, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding.

Course Number:	IM635X0C	Pathway:	Welding
Prerequisite:	IM62 Welding Technology II Must enroll in WB49 CTE Advanced Studies for Manufacturing concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE- Gas Metal Arc Welding (GMAW) AWS Sense – Flux Cored Arc Welding (FCAW)		



North Carolina needs over 800 new welders to keep up with demand.

Fire Fighter (FIF)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IP31 Firefighter Technology I & IP32 Firefighter Technology II	IP33 Firefighter Technology III & CTE Advanced Studies	CTE Internship	ENCRSC

FIREFIGHTER TECHNOLOGY I

This course covers part of the NC Firefighter certification modules required for all Firefighters in North Carolina. The modules include Orientation, Communications, Health and Safety, PPE, Building Construction, Portable Extinguishers, Fire Behavior, Tools and Forcible Entry, and Loss Control.

Course Number:	IP3125XOC	Pathway:	Firefighter Technology
Prerequisite:	Must enroll in IP32 Firefighter Technology II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NCOSFM – Firefighter Technology I		

FIREFIGHTER TECHNOLOGY II

This course covers part of the NC Firefighter certification modules required for all firefighters in North Carolina. The modules include ladders, ventilation, ropes and knots, search and rescue, water supplies and hose and streams and appliances, and emergency medical care. This course prepares students for the North Carolina firefighter certification modules.

Course Number:	IP325XOC	Pathway:	Firefighter Technology
Prerequisite:	Must enroll in IM61 Firefighter Technical I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE- Shielded Metal Arc Welding (SMAW)		

ONSLow EARLY COLLEGE HIGH SCHOOL

In the fall of 2017, Onslow County Schools opened our first early college – the **Onslow Early College High School**. The state of North Carolina’s Early College or Cooperative Innovative High School initiative is in place to provide innovative programs jointly in high schools and institutions of higher education that will expand students’ opportunities for education success through high quality instructional programming.

EARLY COLLEGE STRUCTURE

The Onslow Early College High School seeks to foster the academic, creative, and social gifts of students through two levels of study: accelerated high school and college. Students take Honors and AP courses in grades 9 and 10 and are enrolled as full-time college students at Coastal Carolina Community College in grades 11 and 12.

Highly qualified teachers from the Onslow County Schools teach ninth and tenth grade courses at the honors and Advanced Placement levels. Although students primarily interact with other ninth and tenth graders, they also have access to Coastal Carolina Community College resources. In addition, the Onslow Early College High School offers students a variety of opportunities for service, teamwork, and leadership development through participation in the school’s many clubs and competitive academic teams.

In consultation with the college liaison, eleventh and twelfth grade students build Coastal Carolina Community College schedules– at least four courses per semester--that meet their individual needs and interests as well as high school graduation requirements. The college liaison, counselor, principal, and student will work collaboratively to determine the best college transfer pathway. Coastal Carolina Community College’s academic program includes a wide range of college level courses and pre-professional opportunities. Students are enrolled in these courses with undergraduate students and are taught by Coastal Carolina Community College professors. Early College students graduate with a high school diploma and up to two years of college credit or an associate degree from Coastal Carolina Community College.

STUDENT CRITERIA

Students with a solid record of excellent academic performance and a desire for a challenging academic experience should apply to the Onslow Early College High School. Successful Early College students are willing and able to approach difficult problems or situations with creativity, fortitude, and resilience.

Students are selected to attend the school in a competitive process that evaluates academic achievement, attendance, letters of recommendation, standardized test results, placement test results, academic recommendations, personal essays and self-reported interests and activities. An admissions team representing the school and the college reviews applications from prospective students using a holistic process. Prospective students must have successfully completed Math 1 to be considered for admission.

Students who are enrolled in the Early College program are not eligible to participate in athletics with the district.

For the 2024-2025 school year, prospective students will be considered for admission into the Freshman (9th grade) class.

For more information on the Onslow Early College High School, please contact James Strobe, Principal at (910) 938-6702. You may also email earlycollege@onslow.k12.nc.us



CAREER & TECHNICAL EDUCATION -LEARNING THAT WORKS!



**Learning that works
for North Carolina**

Career and Technical Education

The mission of Career and Technical Education (CTE) is to empower all students to be successful citizens, workers, and leaders in a global economy. CTE gives purpose to learning by emphasizing real-world skills and practical knowledge. Programs in Career and Technical Education are designed to contribute to the broad educational achievement of students, including basic skills such as reading, writing, and mathematics, as well as their ability to work independently and as part of a team, think creatively, solve problems, and utilize technology. These tools and experiences make school more relevant, and ensure students are ready for the real world. Whether students plan to further their education in community colleges, technical schools, four-year colleges, and universities, receive on-the-job training, or pursue careers in the military, CTE helps prepare students to succeed in high-demand, high-wage jobs in areas where new jobs will be available in the future. Many of the jobs identified by the Occupational Outlook Handbook as the fastest growing through 2027 are in areas that are part of the CTE program.

CTE Delivers for students:

- Real options for students for college and rewarding careers.
- CTE programs allow students to explore a range of options for their future - inside and outside of the classroom.
- Through CTE, students can start their path toward a career that they are passionate about, while earning valuable experience, college credits and more.
- CTE students are more likely to have a post-high school plan - including college - than other students; just 2% of CTE students say they "don't know" what they will do after high school.

Real-world skills for students

- CTE is a unique opportunity for hands on learning - putting students at the center of the action.
- CTE provides the skills and confidence students need to pursue career options, discover their passions, and get on a path to success.
- Students in CTE programs and their parents are three times as likely to report they are "very satisfied" with their and their children's ability to learn real-world skills as part of their current education compared to parents and students not involved in CTE.

Real experience with more value for students

- CTE programs are a part of middle and high school - students can participate in CTE and the other activities they enjoy, such as sports, the arts or whatever else their friends are doing.
- CTE takes students even further during their high school experience - providing opportunities for specialized classes, internships, and networking with members of the community.
- Students in CTE programs and their parents are twice as likely to report they are "very satisfied" with their high school education experience compared to prospective CTE students and their parents.

Students should work with their parents, counselors, and teachers to identify their interests, abilities, and talents. Students will develop an individualized high school plan that will prepare them for career goals and the postsecondary education needed to help them reach their goals.

Careers are as diverse as student interests; therefore, OCS offers more than 100 CTE courses in 15 Career Clusters. The selection of a CTE Career Cluster concentration is not a permanent commitment and can be changed if student interests change; however, students should work closely with their school counselor and Career Development Coordinator to determine the effect that changes may have on meeting CTE Career Cluster requirements.

Frequently Asked Questions:

- What is a pathway?
 - A pathway is a set of aligned courses to a specific career path. The pathways are designed to provide students with experiences with skills required by jobs within that career.
- *What is a concentrator course?*
 - *A Concentrator Course is defined as a second- or third-level course that builds upon skills acquired in a prerequisite course. In this guide, a concentrator course is indicated by being Highlighted in Yellow.*
- *What is a concentrator?*
 - *A CTE Concentrator is a student who has successfully completed a Concentrator Course in an approved Career Pathway Program of Study.*
- *What is a Career Pathway Major?*
 - *The Career Pathway Major may be earned when a student successfully completes an aligned course sequence within the same Career Pathway Program of Study and successfully completes a Career Pathway Major Course. A Career Pathway Major Course is one that provides aligned specificity in a Career Pathway Program of Study and can include either an Advanced Studies course, Work-based Learning course, or a course with aligned content.*

Earning College Credit While in High School

OCS and CCC have adopted the North Carolina High School to Community College Statewide Articulation Agreement which awards college credit at North Carolina community colleges to students completing select CTE courses. Under these agreements, OCS high school students can earn college credit prior to graduation by earning a score of 93 or higher on the CTE EOC post-assessment and earning a grade of B or better in their high school CTE course. See your school counselor or Career Development Coordinator for additional information and an advanced standing agreement application.

AGRICULTURAL EDUCATION

Agricultural Education teaches students about agriculture, food and natural resources. Courses prepare students for career pathways in the animal and plant sciences. Careers include Agricultural Engineers, Agricultural and Food Scientists, Hydrologists, Veterinary Technicians, Soil and Plant Scientists, Agricultural Managers, Agricultural Equipment/Supplies Sales.

Animal Science Career Pathway (ANSC)

Prerequisite	Concentrator	Career Pathway Major	Schools
AA21 Animal Science I	AA23 Animal Science II Companion Animal	AA41 Veterinary Assisting (H) OR CTE Advanced Studies OR CTE Internship	DHS RHS JHS SWHS WOHS

Plant Systems Career Pathway (PLSV)

Prerequisite	Concentrator	Career Pathway Major	Schools
AP41 Horticulture I	AP42 Horticulture II	CTE Advanced Studies OR CTE Internship	DHS JHS RHS WOHS

Natural Resources (NR)

Prerequisite	Concentrator	Career Pathway Major	Schools
AN51 Natural Resources I	AN52 Natural Resources II	CTE Advanced Studies OR CTE Internship	RHS

Power, Structural, & Technical Systems Career Pathway (PSTE)

Prerequisite	Concentrator	Career Pathway Major	Schools
AS31 Agricultural Mechanics I	AS32 Agricultural Mechanics II (H)	CTE Advanced Studies OR CTE Internship	DHS RHS SWHS WOHS

Sustainable Agriculture Career Pathway (SUAG)

Prerequisite	Concentrator	Career Pathway Major	Schools
AU21 Sustainable Agriculture Production I	AU22 Sustainable Agriculture Production II	CTE Advanced Studies OR CTE Internship	RHS WOHS

COURSE DESCRIPTIONS

AGRICULTURAL MECHANICS I

Working in an agriculturally related industry requires a person to be somewhat a jack of all trades. In this class, you will learn agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, fencing, paints and preservatives, basic metal working, basic agricultural construction skills related to plumbing, carpentry, and basic welding.

Course Number:	AS312X0C	Pathway:	Power, Structural, & Technical Systems
Prerequisite:	None		
School(s):	DHS, RHS, SWHS, WOHS		
Aligned Industry Credential(s):	OSHA 10-Hour General Industry (Agriculture) Certification Certified Welders for Welding Code AWS D.1. 2010 National Safe Tractor and Machinery Operation Certification		

AGRICULTURAL MECHANICS II - HONORS

Grow your skills in welding and fabrication in the agricultural industry. In this class you will learn metal fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, plumbing, concrete and masonry, and agricultural power.

Honors Course Number:	AS325X0C	Pathway:	Power, Structural, & Technical Systems
Prerequisite:	AS31 Agricultural Mechanics I		
Schools:	DHS, RHS, SWHS, WOHS		
Aligned Industry Credential:	OSHA 10-Hour General Industry (Agriculture) Certification Certified Welders for Welding Code AWS D.1. 2010 National Safe Tractor and Machinery Operation Certification		

ANIMAL SCIENCE I

Do you eat meat? Every wonder how it gets to the grocery store meat counter? In this class, you will learn everything about farm animals from the correct names, producing animals that are sold and processed into meat products. ***Honors credit is available for this course.*

Course Number:	AA212X0C	Pathway:	Animal Science
Honors Course Number:	AA215X0C		
Prerequisite:	None		
Schools:	DHS, JHS, RHS, SWHS, WOHS		
Aligned Industry Credential:	NC Beef Quality Assurance Youth for Quality Care of Animals (YQCA) Certification		

ANIMAL SCIENCE II – COMPANION ANIMAL

Do you have pets? Would you like to learn all the secrets about taking care of pets? In this class you will learn about the animals we keep as pets. From dogs to fish, you will discover all the things you will need to know to pursue a career in the animal health industry or just how to be a better pet owner. ***Honors credit is available for this course.*

Course Number:	AA232X0C	Pathway:	Animal Science
Honors Course Number:	AA235X0C		
Prerequisite:	AA21 Animal Science I		
Schools:	DHS, JHS, RHS, SWHS, WOHS		
Aligned Industry Credential:	Canine Care and Training Program (CTP)		

VETERINARY ASSISTING - HONORS

If you have taken a pet to the veterinarian, then you have seen veterinary assistants at work. Learn how to be a vet assistant as you explore veterinary practice management and client relations, pharmacy and laboratory procedure, advanced animal care, and surgical/radiological procedures. ***This course receives Honors Credit.*

Honors Course Number:	AA415X0C	Pathway:	Animal Science
Prerequisite:	AA23 Animal Science II - Companion Animal		
Schools:	JHS		
Aligned Industry Credential:	Elanco Veterinary Medical Applications Certification Certified Veterinarian Assistant		

HORTICULTURE I

Do you like to smell the roses? Can you identify the roses? In Horticulture I, learn about the science of growing plants from seed to fruit! Build your problem-solving skills in the garden, leadership skills in the classroom, and why plants grow the way they do!

***Honors credit is available for this course.*

Course Number:	AP412X0C	Pathway:	Plant Systems
Honors Course Number:	AP415X0C		
Prerequisite:	None		
Schools:	DHS, JHS, RHS, WOHS		
Aligned Industry Credential:	NC Private Pesticide Applicator		

HORTICULTURE II – PLANT PRODUCTION

Someone must grow all the plants we buy for our homes. Learn how to produce plants for a profit. In this course you will explore greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, and lawn and turf grass management. ***Honors credit is available for this course.*

Course Number:	AP422X0C	Pathway:	Plant Systems
Honors Course Number:	AP425X0C		
Prerequisite:	AP41 Horticulture I		
Schools:	DHS, JHS, RHS, WOHS		
Aligned Industry Credential:	NC Private Pesticide Applicator		

HORTICULTURE II – LANDSCAPE CONSTRUCTION

Design landscapes that meet client demands. Implement landscape installation and maintenance skills through work-based learning opportunities. Gain the knowledge and skills for landscape careers in the horticulture pathway. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway.

Course Number:	AP442X0C	Pathway:	Plant Systems
Honors Course Number:	AP445X0C		
Prerequisite:	AP41 Horticulture I		
Schools:	DHS, JHS, RHS, WOHS		
Aligned Industry Credential:	NC Private Pesticide Applicator		

NATURAL RESOURCES I

This course introduces environmental studies, which includes topics of instruction in renewable and non-renewable natural resources, history of the environment, personal development, water and air quality, waste management, land use regulations, soils, meteorology, fisheries, forestry, and wildlife habitat. English language arts, mathematics, and science are reinforced.

Course Number:	AN51	Pathway:	Natural Resources
Prerequisite:	None		
Schools:	RHS		
Aligned Industry Credential:	None		

NATURAL RESOURCES II

This course covers instruction in best management practices in methods of environmental monitoring and conservation, air and water regulations, sampling methodologies, prescribing conservation techniques, and wildlife and forestry management. English language arts, mathematics, and science are reinforced.

Course Number:	AN52	Pathway:	Natural Resources
Prerequisite:	AN51 Natural Resources I		
Schools:	RHS		
Aligned Industry Credential:	None		

SUSTAINABLE AGRICULTURE PRODUCTION I

How do farmers grow enough food for our growing population? In this class you will explore various agricultural practices that feed the world. You will learn crop and animal production, natural resource management, agroforestry, food safety, and the farm to fork continuum.

Course Number:	AU212X0C	Pathway:	Sustainable Agriculture
Prerequisite:	None		
Schools:	RHS, WOHS		
Aligned Industry Credential:	None		

SUSTAINABLE AGRICULTURE PRODUCTION II

Go deeper into the science of agricultural production. Learn how agriculture impacts the quality of life all around the world. You will explore topics such as precision agriculture, biotechnology, bioinformatics, plant and animal breeding, apiculture, aquaponics, hydroponics, vermicomposting, and food safety.

Course Number:	AU222X0C	Pathway:	Sustainable Agriculture
Prerequisite:	AU21 Sustainable Agriculture Production I		
Schools:	RHS, WOHS		
Aligned Industry Credential:	Certified Level Beekeeper		

CTE INTERNSHIP IN AGRICULTURE, FOOD & NATURAL RESOURCES - HONORS

A CTE Internship allows for additional development of career and technical competencies within Agriculture, Food, & Natural Resources related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about specific careers, and perform certain job tasks. 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. **** This course receives Honors Credit.**

Honors Course Number:	WI025X0	Pathway:	Animal Science Natural Resources Plant Systems Power, Structural, and Technical Systems Sustainable Agriculture
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN AGRICULTURE, FOOD & NATURAL RESOURCES

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS012X0	Pathway:	Animal Science Natural Resources Plant Systems Power, Structural, and Technical Systems Sustainable Agriculture
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		



The National FFA Organization

The letters “FFA” stand for Future Farmers of America. These letters are a part of our history and our heritage that will never change. But FFA is not just for students who want to be production farmers; FFA also welcomes members who aspire to careers as teachers, doctors, scientists, business owners and more.

Today, the National FFA Organization remains committed to the individual student, providing a path to achievement in premier leadership, personal growth and career success through agricultural education.

FFA continues to help the next generation rise up to meet those challenges by helping its members to develop their own unique talents and explore their interests in a broad range of agricultural career pathways. So today, we are still the Future Farmers of America. But, we are the Future Biologists, Future Chemists, Future Veterinarians, Future Engineers and Future Entrepreneurs of America, too.

Business, Financial, and Marketing Education

Business, Finance and Marketing Education encompasses business skills and techniques, an understanding of basic economics, an understanding of making socioeconomic decisions and producing goods and services to consumption, and business attitudes essential to become a globally engaged and productive citizen.

Accounting Career Pathway (ACCT)

Prerequisite	Concentrator	Career Pathway Major	Schools
BA10 Accounting I	BA20 Accounting II (H)	CTE Advanced Studies OR CTE Internship	NSHS

Entrepreneurship Career Pathway (ENTRE)

Prerequisite	Concentrator	Career Pathway Major	Schools
ME11 Entrepreneurship I	ME12 Entrepreneurship II (H)	CTE Advanced Studies OR CTE Internship	DHS NSHS SBHS SWHS

Economics Career Pathway (ECON)

Prerequisite	Concentrator	Career Pathway Major	Schools
BF10 Business Essentials	A403 AP Macroeconomics OR A404 AP Microeconomics	CTE Advanced Studies OR CTE Internship	NSHS

Financial Securities and Investments Career Pathway (FSIN)

Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
BF10 Business Essentials	BF21 Financial Planning I	BF22 Financial Planning II	CTE Advanced Studies OR CTE Internship	DHS RHS WOHS

General Management Career Pathway (GMGT)				
Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
BF10 Business Essentials	BB40 Business Management I <i>OR</i> BI50 IB Business Management	BB42 Business Management II	CTE Advanced Studies <i>OR</i> CTE Internship	JHS NSHS OVS RHS SWHS SBHS

Marketing Management Career Pathway (MMGT)			
Prerequisite	Concentrator	Career Pathway Major	Schools
MM51 Marketing	MA52 Marketing Applications	Cooperative Education <i>OR</i> CTE Advanced Studies <i>OR</i> CTE Internship	SBHS

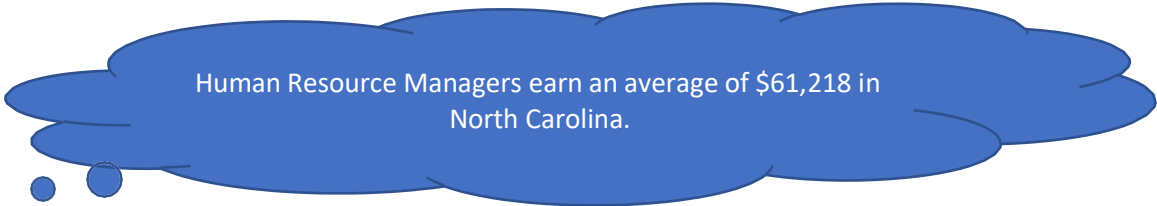
Sales Career Pathway (PRSM)			
Prerequisite	Concentrator	Career Pathway Major	Schools
MI31 Sales I	MI32 Sales II	Cooperative Education <i>OR</i> CTE Advanced Studies <i>OR</i> CTE Internship	JHS NSHS WOHS

Sport & Event Marketing Career Pathway (SEMK)			
Prerequisite	Concentrator	Career Pathway Major	Schools
MH31 Sport & Event Marketing I	MH32 Sport & Event Marketing II (H)	CTE Advanced Studies <i>OR</i> CTE Internship	JHS SBHS WOHS



FBLA (Future Business Leaders of America) inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.

Did
You
Know ?



COURSE DESCRIPTIONS

ACCOUNTING I

Are Nike, Microsoft, and Google really successful? All things are not as they appear. Accounting tells us the real story. Find out how to take everyday transactions such as sales, stocking inventory, paying for advertising and employee wages to paint the real picture of success. Also learn about some high paying careers in the field of accounting. *****Honors credit is available for this course.***

Course Number:	BA102X0C	Pathway:	Accounting
Honors Course Number:	BA105X0C		
Prerequisite:	None		
Schools:	NSHS		
Aligned Industry Credential:	Intuit QuickBooks Certified User		

ACCOUNTING II - HONORS

How does a company become a Fortune 500 company? Good accounting. Become a QuickBooks Certified User as you learn more in-depth knowledge of accounting procedures and solving business problems. You will learn various accounting and budgeting practices used in the business world. ****This course receives Honors Credit****

Honors Course Number:	BA205X0C	Pathway:	Accounting
Prerequisite:	BA10 Accounting I		
Schools:	NSHS		
Aligned Industry Credential:	Intuit QuickBooks Certified User		

BUSINESS ESSENTIALS

Do you enjoy Shark Tank? Do you have dreams of owning your own business? This course teaches you how to play the game successfully. Learn to use finances, manage resources and people, and to market your ideas or skills to reach your business goals.

*****Honors Credit is available for this course.***

Course Number:	BF102X0C	Pathway:	General Management Financial Securities and Investments
Honors Course Number:	BF105X0C		
Prerequisite:	None		
Schools:	DHS, JHS, NSHS, OVS, RHS, SBHS, SWHS, WOHS		
Aligned Industry Credential:	None		

IB BUSINESS MANAGEMENT

Want to be the boss? Learn how managers plan, organize, handle staff, and use business resources to make the best decisions to meet the goals for their business. Experience real life scenarios, the ethical challenges and problem-solving skills needed to be a great manager.

Course Number:	BI508XOD	Pathway:	General Management
Prerequisite:	BF10 Business Essentials		
Schools:			
Aligned Industry Credential:	None		

BUSINESS MANAGEMENT I

Want to be the boss? Learn how managers plan, organize, handle staff, and use business resources to make the best decisions to meet the goals for their business. Experience real life scenarios, the ethical challenges and problem-solving skills needed to be a great manager.

Course Number:	BB402X0C	Pathway:	General Management
Prerequisite:	BF10 Business Essentials		
Schools:	DHS, JHS, NSHS, OVS, RHS, SBHS, SWHS		
Aligned Industry Credential:	None		

BUSINESS MANAGEMENT II

Build on the skills learned in Business Management I and find out how managers face responsibilities like controlling resources, providing safety and security, and maintaining inventory levels while protecting the business' data and other important information.

Course Number:	BB422X0C	Pathway:	General Management
Prerequisite:	BB40 Business Management I		
Schools:	DHS, JHS, NSHS, OVS, RHS, SBHS, SWHS		
Aligned Industry Credential:	Fundamentals Business Concepts (ASK-BF-CERT)		

ENTREPRENEURSHIP I

Want to own your own business? Learn the basics from thinking of new ideas for products to product research to financing and marketing. Also, learn how to start, market and sell your business to make a profit.

Course Number:	ME112X0C	Pathway:	Entrepreneurship
Prerequisite:	None		
Schools:	DHS, NSHS, SBHS, SWHS		
Aligned Industry Credential:	Venture Entrepreneurial Expedition		

ENTREPRENEURSHIP II - HONORS

After learning how to open your business, this course goes more in-depth to explore laws/regulations regarding ownership and protecting your business from potential losses while expanding on marketing and management ideas. **This course receives **Honor's Credit**.

Honors Course Number:	ME125X0C	Pathway:	Entrepreneurship
Prerequisite:	ME11 Entrepreneurship I		
Schools:	DHS, NSHS, SBHS, SWHS		
Aligned Industry Credential:	Entrepreneurship and Small Business Certification Exam Venture Entrepreneurial Expedition Entrepreneurship and Small Business		

FINANCIAL PLANNING I

How do you make money grow? In Financial Planning I you can learn how to make more money through investments, solve money problems, and help a business expand and become more successful. You will participate in stock market simulations to see if your stock picks are savvy. Learn all this to create a better financial future for you and your business.

Course Number:	BF212X0C	Pathway:	Financial Securities and Investments
Prerequisite:	BF10 Business Essentials		
Schools:	RHS, WOHS		
Aligned Industry Credential:	None		

FINANCIAL PLANNING II

Further your skills in financial planning. Create a business financial plan; including loans, insurance, taxes, corporate governance, and explore the various risks and returns associated with business activities. You and your business team will analyze ethical situations with financial practices in business.

Course Number:	BF222X0C	Pathway:	Financial Securities and Investments
Prerequisite:	BF21 Financial Planning I		
Schools:	RHS, WOHS		
Aligned Industry Credential:	None		

HOSPITALITY AND TOURISM

Tourism drives our local economy with many restaurants, hotels, and attractions! The best tourism spots know how to keep people coming back to make lifetime memories! Learn the business of hospitality and tourism industry from marketing to management and how to do it all ethically and safely.

Course Number:	MH422X0C	Pathway:	Travel and Tourism
Prerequisite:	MH31 Sport & Event Marketing I OR - MM51 Marketing OR - BF10 Business Essentials		
Schools:	SBHS		
Aligned Industry Credential:	Certified Guest Service Professionals (CGSP)		

MARKETING

Have you tried to convince someone to buy or use something? That is marketing! You will explore the marketing strategies used to promote businesses. Also, you will learn how to promote products through using a proper plan, effective pricing and successful selling techniques. Begin creating a marketing plan for your ideas!

Course Number:	MM512X0C	Pathway:	Marketing Management
Prerequisite:	None		
Schools:	SBHS		
Aligned Industry Credential:	None		

MARKETING APPLICATIONS

Go deeper in developing your marketing prowess! Enhance your knowledge of the marketing industry and what it takes to implement a successful marketing plan. You will be able to apply your skills using technology.

Course Number:	MA522X0C	Pathway:	Marketing Management
Prerequisite:	MM51 Marketing		
Schools:	SBHS		
Aligned Industry Credential:	Customer Service and Sales Certification Fundamental Marketing Concepts		

AP MACROECONOMICS

This college-level course introduces students to the principles that apply to an economic system. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Course Number:	4A037X0	Pathway:	Economics
Prerequisite:	BF10 Business Essentials		
Schools:	NSHS		
Aligned Industry Credential:	None		

AP MICROECONOMICS

This college-level course introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Course Number:	4A047X0	Pathway:	Economics
Prerequisite:	BF10 Business Essentials		
Schools:	NSHS		
Aligned Industry Credential:	None		

Microsoft Excel

Students in Microsoft Imagine Academies benefit from world-class Microsoft curriculum and cutting-edge software tools to tackle real-world challenges in the classroom environment. This class is designed to help you use the most current version of Microsoft Excel interface, commands, and features to present, analyze, and manipulate various types of data. Students will learn to manage workbooks as well as how to manage, manipulate, and format data.

Course Number:	GS115X0C	Pathway:	Business Supplemental Course
Prerequisite:	None		
Schools:	DHS, RHS, SBHS, WOHS		
Aligned Industry Credential:	None		

SALES I

In this course you will explore careers in sales and learn how to "brand" yourself. Learn how to communicate, work with customers, and close the deal. Learn how to become a top seller in life!

Course Number:	MI312X0C	Pathway:	Sales
Prerequisite:	None		
Schools:	JHS, NHS, WOHS		
Aligned Industry Credential:	None		

SALES II

Continue to develop your personal brand and you selling skills. You will learn about pre- and post-sales activities. You will also be able to prove your selling techniques and ability to think on your feet with mock sales role playing.

Course Number:	MI322X0C	Pathway:	Sales
Prerequisite:	MI31 Sales I		
Schools:	JHS, NHS, WOHS		
Aligned Industry Credential:	None		

SPORT AND EVENT MARKETING I

Do you enjoy watching sports or live events? Ever thought of working in the sports/entertainment industry? You don't have to be an athlete or entertainer to make lots of money in this industry! Learn the skills related to planning and marketing sporting and entertainment events. You will learn about branding, naming rights, merchandising, concessions, and economic impact.

Course Number:	MH312X0C	Pathway:	Sport and Event Marketing
Prerequisite:	None		
Schools:	JHS, SBHS, WOHS		
Aligned Industry Credential:	None		

SPORT AND EVENT MARKETING II - HONORS

Build upon your skills through team projects as you plan and market sports and entertainment events. Learn the art of business management, client relations, event management and facility management for entertainment events. Also, learn the business of sponsorships and endorsements.

Honors Course Number:	MH325X0C	Pathway:	Sport and Event Marketing
Prerequisite:	MH31 Sport and Event Marketing I		
Schools:	JHS, SBHS, WOHS		
Aligned Industry Credential:	Customer Service and Sales Certification		

CTE INTERNSHIP IN BUSINESS, MANAGEMENT, AND ADMINISTRATION - HONORS

A CTE Internship allows for additional development of career and technical competencies within Business, Management, and Administration related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about specific careers, and perform certain job tasks. 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.

Honors Course Number:	WI045X0	Pathway:	Entrepreneurship General Management
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN FINANCE - HONORS

A CTE Internship allows for additional development of career and technical competencies within Finance related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI065X0	Pathway:	Accounting Financial Planning
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN HOSPITALITY AND TOURISM - HONORS

A CTE Internship allows for additional development of career and technical competencies within Hospitality and Tourism related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about specific careers, and perform certain job tasks. 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.

Honors Course Number:	WI095X0	Pathway:	Sport and Event Marketing Travel and Tourism
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN MARKETING - HONORS

A CTE Internship allows for additional development of career and technical competencies within Marketing related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about specific careers, and perform certain job tasks. 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.

Honors Course Number:	WI145X0	Pathway:	Marketing Management Sales
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN BUSINESS, MANAGEMENT, AND ADMINISTRATION

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS042X0	Pathway:	Entrepreneurship General Management
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN FINANCE

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS062X0	Pathway:	Accounting Financial Planning
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN HOSPITALITY AND TOURISM

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WB332X0	Pathway:	Sport and Event Marketing Travel and Tourism
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN MARKETING

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS142X0	Pathway:	Marketing Management Sales
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

Did
You
Know ?

Retail Business Manager jobs are expected to grow 11% by 2026 and earn an average of \$89,299 in the Jacksonville/New Bern region.

DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools and colleges around the globe.



Computer Science & Information Technology Education

Computer Science and Information Technology is focused on building linkages in information technology occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services.

Adobe Academy Career Pathway (ADAC)

Prerequisite	Concentrator	Career Pathway Major	Schools
CD10 Adobe Visual Design	CD11 Adobe Visual Design II <i>OR</i> CD14 Adobe Video Design	CTE Advanced Studies <i>OR</i> CTE Internship	NSHS

Computer Science Principles Career Pathway (CSPR)

Prerequisite	Concentrator	Career Pathway Major	Schools
CS20 Computer Science I	CS21 Computer Science II	2A02 AP Computer Science <i>OR</i> CTE Advanced Studies <i>OR</i> CTE Internship	DHS JHS NSHS OVS SWHS WOHS

Game Art Design Career Pathway (GAAR) & Digital Design and Animation Career Pathway (DIDE)

Prerequisite	Concentrator	Career Pathway Major	Schools
CD20 Digital Design and Animation I & CD21 Digital Design and Animation II	CD30 Game Art Design & CD31 Advanced Game Design	CTE Advanced Studies <i>OR</i> CTE Internship	ENCRSC

Programming & Broadcasting Career Pathway (PRBR)

Prerequisite	Concentrator	Career Pathway Major	Schools
IL71 Programming & Broadcasting I	IL72 Programming & Broadcasting II	CTE Advanced Studies <i>OR</i> CTE Internship	SBHS

Did You Know ?

Its estimated that there will be over 36,000 new Software Developer jobs in North Carolina by 2026. Software Developers earn an average of \$100,560!

ADOBE VISUAL DESIGN I

Do you enjoy photography? Do you want to learn how to modify images? You will discover techniques with Adobe Photoshop and Illustrator that will help you enhance and manipulate your own photos.

Course Number:	CD102X0C	Pathway:	Adobe Pathway
Prerequisite:	None		
Schools:	NHS		
Aligned Industry Credential:	Adobe Certified Associate Photoshop Adobe Certified Associate Illustrator		

ADOBE VISUAL DESIGN II

Would you like to make digital layouts like in magazines, fashion, or sports publications? In this course you will learn desktop publishing that lays out pictures and words to create marketing pieces that will help grow your business. Adobe InDesign is the program that is used.

Course Number:	CD112X0C	Pathway:	Adobe Pathway
Prerequisite:	II41 Adobe Visual Design I		
Schools:	NHS		
Aligned Industry Credential:	Adobe Certified Associate InDesign		

ADOBE VIDEO DESIGN

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 the Adobe Premiere certification.

Course Number:	CD142X0C	Pathway:	Adobe Pathway
Prerequisite:	II41 Adobe Visual Design I		
Schools:	NHS		
Aligned Industry Credential:	Adobe Certified Professional 2020 or above Premiere Pro		

COMPUTER SCIENCE I

Do you like working with computers? Do you enjoy problem solving? Go beyond using apps (applications) and learn to use computers to complete tasks and create programs using Python, the most recognized computer language today. Working with your peers learn logical methods to problem solve and create programs to impact the way the world thinks, communicates, works, and plays.

Course Number:	CS202X0C	Pathway:	Computer Science
Prerequisite:	None		
Schools:	DHS, JHS, NHS, OVS, SWHS, WOHS		
Aligned Industry Credential:	None		

COMPUTER SCIENCE II

Build on the skills learned in Computer Science to look at the big ideas such as programming, algorithms, the internet, big data, digital privacy, and security. You will expand your programming skills with more complex constructs including objects and data abstraction. As an option, performance tasks may be included to obtain AP credit.

Course Number:	CS212X0C	Pathway:	Computer Science
Prerequisite:	CS20 Computer Science I		
Schools:	DHS, NHS, OVS, SWHS, WOHS		
Aligned Industry Credential:	None		

IB INFORMATION TECHNOLOGY IN A GLOBAL SOCIETY SL

This is a rigorous study and evaluation of the impacts of Information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digital information at the local and global level. This course requires college-level performance and work habits and encompass two (2) full semesters.

Course Number:	BI058X0C	Pathway:	N/A
Prerequisite:	None		
Schools:			
Aligned Industry Credential:	None		

GAME ART DESIGN

Learn how to use design software to create 2D characters, scenes, objects and features for board games, comics and 2D video games. Find out the must have dynamic constructs and concepts of game play and how to apply them to make your game fun. Learn basic coding in GameMaker to make a Beta version multi-level 2D game during this class.

Course Number:	CD302X0C	Pathway:	Game Art Design
Prerequisite:	CD21 3D Modeling and Animation II <i>(Must enroll in CD31 Advanced Game Art Design concurrently)</i>		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

3D MODELING AND ANIMATION I

It's all about learning to apply software skills to make graphic design work for Web, TV, Video Games and Movie Animations. These skills are contracted from all over the world to independent digital designers who working from home! You will learn the basics of Harmony, Storyboard Pro, InDesign, Photoshop and Illustrator design software to open doors to cartooning, special effects and multimedia job opportunities.

Course Number:	CD202X0C	Pathway:	Digital Design and Animation
Prerequisite:	Must enroll in CD21 Digital Design and Animation II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

3D MODELING AND ANIMATION II

Continue from DD&A I to learn and apply 3D design skills to create and animate original cartoon characters, 3D game characters and assets, virtual 3D animated scenes and using light and gravity to bring realism to your work. This course requires creative and technical focus not found in other courses. Get ready to excel at your chosen college or specialty schools and jobs when you successfully immerse yourself into this fantastic field!

Course Number:	CD212X0C	Pathway:	Digital Design and Animation
Prerequisite:	CD20 Digital Design and Animation I Must enroll in CD20 Digital Design and Animation concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Autodesk 3D Studio Max Certified Associate Autodesk Maya Certified Associate		

PROGRAMMING & BROADCASTING I

YouTube Producer? News Anchor or Reporter? Radio Announcer? Learn the tools used in the broadcasting industry. You will learn how to use video cameras, lighting, microphones, props and software to create audio and video for TV production. Productions will broadcast over the school's television system.

Course Number:	IL712X0C	Pathway:	Programming & Broadcasting
Prerequisite:	None		
Schools:	SBHS		
Aligned Industry Credential:	None		

PROGRAMMING & BROADCASTING II

Learn advanced television production and programming skills and apply these skills in a studio setting. You will create productions to air on the school's television system, web page and social media.

Course Number:	IL722X0C	Pathway:	Programming & Broadcasting
Prerequisite:	Programming & Broadcasting I		
Schools:	SBHS		
Aligned Industry Credential:	None		

AP COMPUTER SCIENCE PRINCIPLES

Will computers take over the world? This course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions.

Course Number:	OA027X0CAP	Pathway:	Computer Science
Prerequisite:	None		
Schools:	JHS, NHS, SWHS, WOHS		
Aligned Industry Credential:	None		

MICROSOFT EXCEL - HONORS

Do you like Math? Businesses use spreadsheets every day to manipulate their data such as inventories and sales. You will learn to use features and commands in the latest version of Excel spreadsheet software.

Course Number:	GS115X0	Pathway:	Computer Science Supplemental Course
Prerequisite:	None		
Schools:	DHS, RHS, SBHS, WOHS		
Aligned Industry Credential:	Microsoft Office Specialist 2016 or above Excel Expert Microsoft Office Specialist 2016 or above Excel Core		

CTE INTERNSHIP IN ARTS, A/V TECHNOLOGY, & COMMUNICATIONS - HONORS

A CTE Internship allows for additional development of career and technical competencies within Arts, A/V Technology, & Communications related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI015X0	Pathway:	Adobe Academy Digital Design and Animation Game Art Design
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN INFORMATION TECHNOLOGY - HONORS

A CTE Internship allows for additional development of career and technical competencies within Information Technology related businesses. 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. 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.

Honors Course Number:	WI115X0	Pathway:	AP Computer Science Computer Science Principles Cybersecurity
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN ARTS, A/V TECHNOLOGY, & COMMUNICATIONS

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS012X0	Pathway:	Adobe Academy Digital Design and Animation Game Art Design
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN INFORMATION TECHNOLOGY

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WB412X0	Pathway:	AP Computer Science Computer Science Principles Cybersecurity
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

SkillsUSA-NC offers many activities including professional and leadership development conferences, competitions that measure both technical and employability skills, and opportunities for scholarships, employment, networking and competitive skills and leadership events are held for regional, state, national, and international levels.



Family & Consumer Sciences Education

Family and Consumer Sciences (FCS) provides the bridge needed by all students to deal with major societal issues such as work-and-family, health care, child and elder care, family and community violence and crime, global economics and politics, and technology usage.

Counseling and Mental Health Career Pathway (CMHC)			
Prerequisite	Concentrator	Career Pathway Major	Schools
FC13 Counseling and Mental Health I	FC14 Counseling and Mental Health II	CTE Advanced Studies <i>OR</i> CTE Apprenticeship <i>OR</i> CTE Internship	DHS SWHS

Food & Nutrition Career Pathway (FONU)			
Prerequisite	Concentrator	Career Pathway Major	Schools
FN41 Food and Nutrition I	FN42 Food and Nutrition II	FN43 Food Science and Technology <i>OR</i> CTE Advanced Studies <i>OR</i> CTE Internship	DHS JHS NSHS RHS SBHS SWHS WOHS

Culinary Arts Applications Career Pathway (CULA)			
Prerequisite & Concentrator	Career Pathway Major	Career Pathway Major	Schools
FH10 Culinary Arts & Hospitality I & FH11 Culinary Arts & Hospitality II Applications	FH13 Culinary Arts & Hospitality III & FH14 Culinary Arts & Hospitality IV Applications	CTE Advanced Studies <i>OR</i> CTE Internship	ENCRSC

Food Products & Processing Systems Career Pathway (FPPR)			
Prerequisite	Concentrator	Career Pathway Major	Schools
FN41 Food and Nutrition I	FN43 Food Science and Technology	Cooperative Education OR CTE Advanced Studies OR CTE Internship	DHS RHS SBHS WOHS

Interior Design Career Pathway (INDE)			
Prerequisite	Concentrator	Career Pathway Major	Schools
FI21 Interior Design Fundamentals	FI22 Interior Design Studio	CTE Advanced Studies OR CTE Internship	SWHS

Teaching/Training Career Pathway (TETR)			
Prerequisite	Concentrator	Career Pathway Major	Schools
FE21 Teaching as a Profession I	FE22 Teaching as a Profession II	FE23 Teaching as a Profession Field Experience	SBHS JHS



Family, Career and Community Leaders of America (FCCLA) offers intra-curricular resources and opportunities for students to pursue careers that support families. Since 1945, FCCLA members have been making a difference in their families, careers, and communities by addressing important personal, work, and societal issues through Family and Consumer Sciences education.

Today over 175,000 members in more than 5,300 chapters are active in a network of associations in all 50 states, in addition to the Virgin Islands and Puerto Rico. The work of FCCLA helps students and teachers focus on a variety of youth concerns, including parenting, family relationships, substance abuse, peer pressure, sustainability, nutrition and fitness, teen violence, and career preparation.

CULINARY ARTS AND HOSPITALITY I

Interested in becoming a professional chef? Do you want to take your basic food skills to the next level? In this introductory course, you will learn food prep skills and prepare breakfast foods, soups, sandwiches, and salads. You will also learn how to serve customers in a restaurant setting.

Course Number:	FH102X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH11 Culinary Arts & Hospitality II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Certified Food Protection Manager (ServeSafe)		

CULINARY ARTS AND HOSPITALITY II APPLICATIONS

Continue honing and demonstrating your chef skills in the school-based restaurant. Concentration on preparing and selling breakfast items, salads, sandwiches, quick breads and cookies.

Course Number:	FH112X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH10 Culinary Arts & Hospitality I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	Certified Food Protection Manager (ServeSafe)		

CULINARY ARTS AND HOSPITALITY III- HONORS

Begin advanced food preparation techniques. You will learn menu planning and how to order the right amount of ingredients from a food service to put that menu in action. This level concentrates on making yeast breads, pastries, and desserts to sell in its school-based restaurant.

Course Number:	FH132X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH14 Culinary Arts & Hospitality IV Applications concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ProStart Certificate of Achievement Pre-Professional Assessment Certification in Culinary Arts		

CULINARY ARTS AND HOSPITALITY IV APPLICATIONS- HONORS

Continue to advance your culinary skills preparing and selling a variety of meat, poultry, and seafood entrées served with accompaniments and sauces and yeast breads, desserts, and pastries. Students learn human resource management of a restaurant and create a portfolio of their work from the Culinary Arts and Hospitality pathway.

Course Number:	FH142X0C	Pathway:	Culinary Arts Applications
Prerequisite:	Must enroll in FH13 Culinary Arts & Hospitality III Applications concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ProStart Certificate of Achievement		

FOOD AND NUTRITION I

Do you enjoy cooking and want to learn the basics of food preparation? Do you want to know more about food safety, nutrition, and how to work and excel in the kitchen? This course trains you with the equipment and techniques needed to cook amazing meals and properly fuel your body.

Course Number:	FN412X0C	Pathway:	Food & Nutrition Food Products & Processing Systems
Prerequisite:	None		
Schools:	DHS, JHS, NSHS, RHS, SBHS, SWHS, WOHS		
Aligned Industry Credential:	ANSI - Accredited Food Handler Certificate		

FOOD AND NUTRITION II- HONORS

Do you like cooking? Ever thought about becoming a chef? In this course you will learn about career opportunities, food safety in restaurants, preparing healthy meals, cooking global cuisines, starting your own business, and exploring how our food gets from the farms to our tables.

Course Number:	FN422X0C	Pathway:	Food & Nutrition
Honors Course Number:	FN425X0C		
Prerequisite:	FN41 Food and Nutrition I		
Schools:	DHS, JHS, NSHS, RHS, SBHS, SWHS, WOHS		
Aligned Industry Credential:	ANSI - Approved Certified Food Protection Manager (ServeSafe) Pre-Professional Assessment and Certification in Nutrition, Food, and Wellness		

FOOD SCIENCE AND TECHNOLOGY - HONORS

Are you interested in finding out where your food comes from? Explore the food industry from the farm to the table using skills in food science. You will also learn about what's trending in the food world, food science careers, and how food is processed & kept safe.

Honors Course Number:	FN435X0C	Pathway:	Food Products & Processing Systems
Prerequisite:	FN41 Food and Nutrition I AND Completion of 1 Science		
Schools:	RHS		
Aligned Industry Credential:	Food Safety and Science Certification Pre-Professional Assessment and Certification in Food Science Fundamentals		

INTERIOR DESIGN FUNDAMENTALS

Do you love creating amazing living spaces? Throughout this class, you will investigate design fundamentals, backgrounds and furnishings, architecture, housing decisions that fit your style and budget, and career development.

Course Number:	FI212X0C	Pathway:	Interior Design
Prerequisite:	None		
Schools:	SWHS		
Aligned Industry Credential:	None		

INTERIOR DESIGN STUDIO

Broaden your interior design skills and learn how to see and think like an interior designer. You will create observational perspective drawings of interior spaces, create concept sketches for your original ideas, and even have the opportunity to construct a 3D interior model. In addition, you will create a portfolio of all your amazing work!

Course Number:	FI222X0C	Pathway:	Interior Design
Prerequisite:	FI21 Interior Design Fundamentals		
Schools:	SWHS		
Aligned Industry Credential:	Pre-Professional Assessment and Certification in Interior Design Fundamentals		

Did
You
Know ?

Substance Abuse, Behavioral Disorder, and Mental Health Counselor jobs are expected to grow 17% by 2026 in the Jacksonville/New Bern region.

COUNSELING AND MENTAL HEALTH I

Why do people do some of the things they do? We will search for those answers while you learn about self-awareness, different personalities, controlling your emotions, how to have healthy relationships, and the impact families have on your individual wellness. We'll also cover the necessary skills and abilities needed to pursue a career in the counseling and mental health field.

Course Number:	FC132X0C	Pathway:	Counseling and Mental Health
Prerequisite:	None		
Schools:	DHS, SWHS		
Aligned Industry Credential:	None		

COUNSELING AND MENTAL HEALTH II

Do you want a deeper understanding of the counseling and mental health field? This course focuses on the human brain and psyche, theories of development, mental disorders, treatment options, and teen violence issues. You'll explore counseling and mental health careers and build the needed life skills for your own optimal wellbeing.

Course Number:	FC142X0C	Pathway:	Counseling and Mental Health
Prerequisite:	FC13 Counseling and Mental Health II		
Schools:	DHS, SWHS, WOHS		
Aligned Industry Credential:	Pre-Professional Assessment and Certification in Family and Community Services Teen Mental Health First Aid		

TEACHING AS A PROFESSION I-HONORS

This course is designed to encourage students to consider teaching as a career. Students are exposed to the many facets of education through class discussion, observation, and participation in public school classrooms. Students will examine their aptitudes for teaching, learner needs and development, including students with exceptionalities, and the history, trends, and governance of education. English/language arts, social studies, mathematics, science, technology, and interpersonal relationships are reinforced.

Course Number:	FE215X0C	Pathway:	Teaching as a Profession
Prerequisite:	None		
Schools:	JHS, SBHS		
Aligned Industry Credential:	Basic School Age Care (BSAC) Credential		

TEACHING AS A PROFESSION II-HONORS

This course is designed to encourage students to further pursue teaching as a career. Students learn about the importance of positive learning environments, curriculum development, and utilization of a variety of instructional strategies. Students are required to complete both Teaching as a Profession II and Teaching as a Profession Field Experience in the same year. Students are eligible for articulated university credit upon successful completion of the Teaching as a Profession pathway. English/language arts, social studies, mathematics, science, technology, and interpersonal relationships are reinforced.

Course Number:	FE225X0C	Pathway:	Teaching as a Profession
Prerequisite:	FE21 Teaching as a Profession I		
Schools:	JHS, SBHS		
Aligned Industry Credential:	None		

TEACHING AS A PROFESSION FIELD EXPERIENCE-HONORS

In this course, students participate in guided and independent classroom leadership activities with mentoring from their cooperating teacher. The field experience provides students with the skills and tools that are an integral and complementary component of Teaching as a Profession I and II, which assist in developing pedagogical skills, knowledge, and characteristics necessary for effective teaching.

Course Number:	FE225X0C	Pathway:	Teaching as a Profession
Prerequisite:	FE22 Teaching as a Profession II		
Schools:	JHS, SBHS		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN AGRICULTURE, FOOD, AND NATUAL RESOURCES - HONORS

A CTE Internship allows for additional development of career and technical competencies within Agriculture, Food, and Natural Resources related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI025X0	Pathway:	Food Products and Processing Systems
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN ARCHITECTURE & CONSTRUCTION - HONORS

A CTE Internship allows for additional development of career and technical competencies within Architecture & Construction related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks.

Honors Course Number:	WI035X0	Pathway:	Interior Design
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN HOSPITALITY & TOURISM - HONORS

A CTE Internship allows for additional development of career and technical competencies within Hospitality and Tourism related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI095X0	Pathway:	Culinary Arts Applications
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

**Did
You
Know**

Food Service Managers earn an average of \$45,903 in the Jacksonville/New Bern region many of which don't require a 4 year degree!

CTE INTERNSHIP IN HUMAN SERVICES - HONORS

A CTE Internship allows for additional development of career and technical competencies within Human Services related businesses. 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. 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.

Honors Course Number:	WI105X0	Pathway:	Counseling and Mental Health Food & Nutrition
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN AGRICULTURE, FOOD, AND NATUAL RESOURCES

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS022X0	Pathway:	Food Products and Processing Systems
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN ARTS, A/V TECHNOLOGY, & COMMUNICATIONS

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS012X0	Pathway:	Apparel & Textile Production
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN ARCHITECTURE & CONSTRUCTION

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS032X0	Pathway:	Interior Design
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN HOSPITALITY & TOURISM

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WB332X0	Pathway:	Culinary Arts Applications
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN HUMAN SERVICES

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS102X0	Pathway:	Counseling and Mental Health Food & Nutrition Financial Planning
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

Interior designers make indoor spaces functional, safe, and beautiful by determining space requirements and selecting decorative items like colors, lighting, and materials. They read blueprints and must be aware of building codes and inspection regulations.

What do they typically do?

- Search for and bid on new projects.
- Determine the client's goals and requirements of the project.
- Consider how the space will be used and how people will move through the space.
- Sketch preliminary design plans, including electrical layouts.
- Specify materials and furnishings, such as lighting, furniture, wall finishes, flooring, and plumbing fixtures.
- Prepare final plans using computer applications.
- Create a timeline for the interior design project and estimate project costs.
- Place orders for materials and oversee installing the design elements.

Health Science Education

Health Science Education provides a comprehensive program to meet the needs of the healthcare industry. Courses motivate students and prepare them to pursue a career as a future health professional. Emphasis is placed on the various domains of healthcare and related skills such as: employability skills, prevention (wellness), diagnostics, therapeutics, and rehabilitation.

Healthcare Professional Career Pathway (HPCP)			
Prerequisite	Concentrator	Career Pathway Major	Schools
HU40 Health Science I	HU42 Health Science II	HN43 Nursing Fundamentals and Practicum (H) (2 credits) OR HH32 Pharmacy Technician (H) OR CTE Advanced Studies OR CTE Internship	DHS JHS NSHS OVS RHS SBHS WOHS ENCRSC

Public Health Fundamentals (PHEF)			
Prerequisite	Concentrator	Career Pathway Major	Schools
HN43 Nursing Fundamentals (recommended)	HN45 Public Health Fundamentals	CTE Advanced Studies OR CTE Internship	DHS JHS

Biomedical Technology Career Pathway (BTCP)			
Prerequisite	Concentrator	Career Pathway Major	Schools
HU40 Health Science I	HB11 Biomedical Technology	CTE Advanced Studies OR CTE Internship	DHS JHS NSHS OVS SBHS



HOSA Future Health Professionals is a career and technical student organization of, by, and for students who are or have been enrolled in a Health Science Education program, or are interested in, planning to pursue, or pursuing a career in the health professions. HOSA Future Health Professionals provides a unique program of leadership development, motivation, and recognition exclusively for students enrolled in Health Science programs. There are more than 50 competitive events in HOSA, including health science events, health professions events, emergency preparedness events, leadership events, teamwork events, recognition events, and other opportunities for recognition.

HEALTH SCIENCE I

Ever wonder why you have hiccups? Why do you sneeze when you are not sick? Want to know what those medical terms mean on Grey's Anatomy? This course teaches you about the parts of your body, what they do and what happens when you get sick. Hands-on activities help you learn basic anatomy and physiology. **Honors Credit is available for this course**

Course Number:	HU402X0C	Pathway:	Healthcare, Professional Biomedical Technology
Honors Course Number:	HU405X0C		
Prerequisite:	None		
Schools:	DHS, JHS, NSHS, OVS, RHS, SWHS, SBHS, WOHS		
Aligned Industry Credential:	Stop The Bleed		

HEALTH SCIENCE II

Interested in working in health care? Want to be CPR certified? This class teaches you about stethoscopes, blood pressure, hands on assessments, and being a life saver. You will learn how health care systems work and valuable hands-on skills as you begin to focus on the health career of your choice. ***Honors credit is available for this course.*

Course Number:	HU422X0C	Pathway:	Healthcare Professional
Honors Course Number:	HU425X0C		
Prerequisite:	HU40 Health Science I		
Schools:	DHS, JHS, NSHS, OVS, RHS, SWHS, SBHS, WOHS		
Aligned Industry Credential:	First Aid; OSHA 10-Hour General Healthcare Industry Certification		

BIOMEDICAL TECHNOLOGY I

How do you track the flu? Where do we get vaccines? Who grew an ear on a rat?! Explore health care beyond what you see in doctors' offices and hospitals. Discover the mysteries of medicine. Learn about infectious diseases, organ transplants, and forensics.

Course Number:	HB112X0C	Pathway:	Biomedical Technology
Honors Course Number:	HB115X0C		
Prerequisite:	HU40 Health Science I		
Schools:	DHS, JHS, NSHS, OVS, SBHS		
Aligned Industry Credential:	None		

NURSING FUNDAMENTALS AND PRACTICUM - HONORS

Have you watched Grey's Anatomy and thought "I could do that!?" This course trains you to become a North Carolina Nurse Aide I. In this course you will learn skills needed as a Nurse Aide, but more importantly receive valuable experience that can begin your path to becoming a nurse. You must perform 40 hours of clinical nursing experience off campus under the supervision of your teacher. Additional qualifications will apply. **This is a two-period course.**

Honors Course Number:	HN435X03	Pathway:	Healthcare Professional
Prerequisite:	HU42 Health Science II		
Schools:	ENCRSC		
Aligned Industry Credential:	North Carolina Nurse Aide I		

PHARMACY TECHNICIAN - HONORS

Have you taken a medicine you can't pronounce? Or wonder about medications advertised on TV? In this course you will learn about medications and their side effects, medical calculations, and pharmacy operations. At the end of the course, you will be able to test to certify as a pharmacy technician.

Honors Course Number:	HH325X0C	Pathway:	Healthcare Professional
Prerequisite:	HU32 Health Science II		
Schools:	ENCRSC, WOHS		
Aligned Industry Credential:	Certified Pharmacy Technician (CPhT)		

PUBLIC HEALTH FUNDAMENTALS

Adapted from the NC Division of Health Services Regulation, this course is designed to assist future healthcare professionals understand the unique challenges and strategies involved in the delivery of healthcare outside traditional facilities and without traditional supervision structure. This course is responsive to overwhelming need for community-based healthcare. HN43 Nursing Fundamentals is recommended as good preparation for this course. However, students may take HN45 Public Health Fundamentals before or after HN43 Nursing Fundamentals and Practicum. * Course enrollment is limited to 20 to ensure safety in laboratory settings.

Honors Course Number:	HN452X0C	Pathway:	Healthcare Professional
Prerequisite:	HN43 Nursing Fundamentals (Recommended)		
Schools:	DHS		
Aligned Industry Credential:	Nurse Aide I - Home Care Aide Endorsement		

PLTW PRINCIPLES OF BIOMEDICAL SCIENCES - HONORS

How do we solve many medical mysteries? You will be immersed in several medical scenarios to solve a crime scene, diagnose disease with DNA, investigate a mysterious disease and determine if drugs can be used to cure a disease. Students will also create a 3-D medical product of your choice.

Course Number:	HP705X0C	Pathway:	PTLW Biomedical Research and Development
Prerequisite:	None		
Schools:	SBHS		
Aligned Industry Credential:	None		

PLTW HUMAN BODY SYSTEMS - HONORS

Students will examine the interactions of Human Body Systems (HBS) to apply an understanding of forensic anthropology and DNA analysis to solve real world medical cases.

Course Number:	HP715X0C	Pathway:	PTLW Biomedical Research and Development
Prerequisite:	HP70 PLTW Principles of Biomedical Sciences		
Schools:	SBHS		
Aligned Industry Credential:	None		

PLTW MEDICAL INTERVENTIONS - HONORS

Students will investigate the interventions involved in the prevention, diagnosis and treatment of disease.

Course Number:	HP725X0C	Pathway:	PTLW Biomedical Research and Development
Prerequisite:	HP70 PLTW Human Body Systems		
Schools:	SBHS		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN HEALTH SCIENCE - HONORS

A CTE Internship allows for additional development of career and technical competencies within Health Science related businesses. 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. 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.

Honors Course Number:	WI085X0	Pathway:	Healthcare Professional Biomedical Technology PTLW Biomedical Research and Development
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN HEALTH SCIENCE

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS082X0	Pathway:	Healthcare Professional Biomedical Technology PTLW Biomedical Research and Development
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

Trade, Technology, Engineering, and Industrial Education

Do you like working with your hands? Want to design and build a house, fight fire, save a life, design products, repair things or even take them apart? TTE&I programs provide students with the skills and conceptual knowledge needed for careers in industry, engineering and design. Pathway groups include Construction, Engineering, Animation, Emergency Services, Advanced Manufacturing, and Automotive.

CONSTRUCTION AND MANUFACTURING PATHWAYS

Advanced Manufacturing (ADMA)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IM11 Advanced Manufacturing I	IM14 Manufacturing Robotics	CTE Internship OR CTE Advanced Studies	ENCRSC

Carpentry Career Pathway (CARP)				
Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
IC00 Construction Core	IC21 Carpentry I	IC22 Carpentry II (H)	IC23 Carpentry III (H) OR CTE Advanced Studies OR CTE Internship	JHS NSHS SWHS SBHS WOHS

Drafting Architectural Career Pathway (DRFA)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IC61 Drafting I (H)	IC62 Drafting II – Architectural (H)	IC63 Drafting III – Architectural (H) OR CTE Advanced Studies OR CTE Internship	JHS NSHS RHS SWHS

Electrical Trades Career Pathway (ELTR)				
Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
IC00 Construction Core	IC41 Electrical Trades I (H)	IC42 Electrical Trades II (H)		JHS NHS SBHS

Marine Trades Career Pathway (MATR)				
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Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
IC00 Construction Core	IL53 Marine Occupations	IL54 Marine Occupations II	IL73 Marine Occupations III OR CTE Advanced Studies OR CTE Internship	DHS

Masonry Career Pathway (MASO)

Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major	Schools
IC00 Construction Core	IC11 Masonry I	IC12 Masonry II (H)	IC13 Masonry III (H) OR CTE Advanced Studies OR CTE Internship	RHS WOHS

Welding Career Pathway (WELD)

Prerequisite	Concentrator	Career Pathway Major	Schools
IM61 Welding Technology I (H) & IM62 Welding Technology II (H)	IM63 Welding Technology III (H) & WB49 CTE Advanced Studies in Manufacturing	CTE Internship	ENCRSC

Woodworking Career Pathway (WOWO)

Prerequisite	Concentrator	Career Pathway Major	Schools
IM21 Woodworking I	IM22 Woodworking II (H)	CTE Advanced Studies OR CTE Internship	DHS SBHS

SkillsUSA is a national Career and Technical Student Organization serving high school, college and middle school students who are preparing for careers or further education in more than 130 trade, technical and skilled service occupations areas. It is an integral part of the classroom and serves more than 360,000 members nationwide. Originally found as V.I.C.A. (Vocational Industrial Clubs of America), SkillsUSA has been developing champions at work since 1965. SkillsUSA works as a partnership of students, teachers and industry working together to ensure America has a skilled workforce. The organization improves the quality of our nation's future skilled workforce through the development of Framework skills that include personal, workplace and technical skills grounded in academics. We do this through a variety of local, state, and national opportunities that include leadership development conferences, educational resources and curriculum for instructors, industry-driven competitive events, and local chapters activities that provide students with the opportunity to lead and grow in their schools and communities.



This course covers introduction to manufacturing, safety, and equipment maintenance and is based upon the Manufacturing Skills Standards Council's (MSSC) Certified Production Technicians certification (CPT). CPT is recognized by manufacturers in NC and the USA as a fundamental certification needed by advanced manufacturing production workers. Topics included in this course include Introduction to Advanced Manufacturing, Communications, Production Teams, Training and Leadership.

Course Number:	IM115X0C	Pathway:	Advanced Manufacturing
Prerequisite:	Must be enrolled in IM14 Manufacturing Robotics concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	Certified Production Technician (CPT) - Safety Certified Production Technician (CPT)- Maintenance Awareness OSHA 10-Hour General Industry (Manufacturing) Certification		

MANUFACTURING ROBOTICS- HONORS

This course is designed to teach students about robotics in manufacturing, including how to program, operator, and maintain a robot used in the manufacturing environment. This course prepares students for FCR-01 FANUC Certified Robot- Operator 1 assessment through NOCTI. English language arts are reinforced.

Course Number:	IM142X0C	Pathway:	Advanced Manufacturing
Prerequisite:	Must be enrolled in IM11 Advanced Manufacturing I concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	FCR-01 FANUC Certified Robot - Operator 1 Credential		

CONSTRUCTION CORE

Do you enjoy working with your hands-on real-life construction projects? Do you want to learn about hand tools and power tools? You will learn to read blueprints and understanding construction terms and procedures. This is the first course in the Construction Pathway that can lead you to a high paying job in Carpentry, Electrical Trades, HVAC, and Masonry.

Course Number:	IC002X0C	Pathway:	Carpentry
Prerequisite:	None		
Schools:	DHS, JHS, NSHS, RHS, SWHS, SBHS, WOHS		
Aligned Industry Credential:	NCCER Construction Core Credential OSHA 10 Hour Construction Industry Safety Certification		

CARPENTRY I

Do you want to build your own house? This course teaches you the basics of home construction including building materials, fasteners, and adhesives. You will use hand tools and power tools to create floor systems, walls, and steps of a building. You will also learn how to read construction drawings.

Course Number:	IC212X0C	Pathway:	Carpentry
Prerequisite:	IC00 Construction Core		
Schools:	JHS, NSHS, SWHS, SBHS, WOHS		
Aligned Industry Credential:	NCCER Carpentry I Credential		

CARPENTRY II - HONORS

Every house needs a good roof. Learn how to construct roofs, install windows and doors, and install exterior finishes. You will use hand tools and power tools to create real-life projects.

Honors Course Number:	IC225X0C	Pathway:	Carpentry
Prerequisite:	IC21 Carpentry I		
Schools:	JHS, NSHS, SWHS, SBHS, WOHS		
Aligned Industry Credential:	NCCER Carpentry II Credential		

CARPENTRY III - HONORS

The outside of the house is built, but now it's time to finish the inside. You will work on real-life projects with steel construction, drywall, doors, windows, ceilings, and trim. You will also learn how to read commercial construction drawings.

Honors Course Number:	IC235X0C	Pathway:	Carpentry
Prerequisite:	IC22 Carpentry II		
Schools:	JHS, NSHS, SWHS, SBHS, WOHS		
Aligned Industry Credential:	NCCER Carpentry III Credential		

DRAFTING I- HONORS

Do you like to draw? Do you want to design your own home? This course will teach you the first steps of design. You will learn to use AutoCAD to draw your ideas so others can build, construct, or manufacture to your specifications.

Course Number:	IC615X0C	Pathway:	Drafting Architectural Drafting Engineering
Honors Course Number:	IC615X0C		
Prerequisite:	None		
Schools:	JHS, NSHS, RHS, SWHS		
Aligned Industry Credential:	Autodesk Certified User AutoCAD		

DRAFTING II – ARCHITECTURAL - HONORS

Bring your home design to life through 3D CAD. This class teaches you how to design a house just like a contractor! You will use 3-D computer software to create floor plans, foundation plans, wall sections, and elevation drawings for a virtual house model. You will learn to create construction documents to design your home.

Honors Course Number:	IC625X0C	Pathway:	Drafting Architectural
Prerequisite:	IC61 Drafting I		
Schools:	NSHS, RHS, SWHS, JHS		
Aligned Industry Credential:	Autodesk Certified User Revit		

DRAFTING III – ARCHITECTURAL - HONORS

Continue designing your house with those added touches that add extra value. This course teaches you to design other aspects of a house with more advanced designs. This includes foundation plans, electrical and lighting plans, stair design, and bath and kitchen details. Learn how to make multiple floors work in a house. You will learn commercial building design and the REVIT program for designs.

Honors Course Number:	IC635X0C	Pathway:	Drafting Architectural
Prerequisite:	IC62 Drafting II – Architectural		
Schools:	NSHS, SWHS, JHS		
Aligned Industry Credential:	Autodesk Certified Professional Revit		

ELECTRICAL TRADES I- HONORS

How does the electricity get from the light switch to the light? What are the technical skills needed to be a residential electrician? In this course, you will learn about electrical circuits, how electricity works, and basics of electrical installations.

Course Number:	IC415X0C	Pathway:	Electrical Trades
Prerequisite:	IC00 Construction Core		
Schools:	JHS, NHS, SBHS		
Aligned Industry Credential:	NC NCCER Electrical Trades I Credential		

ELECTRICAL TRADES II - HONORS

Expand your electrical knowledge and practice residential wiring. You will learn about conductors and cables, construction drawings, residential electric services, electrical test equipment usage, alternating current (A/C) theory, grounding and bonding techniques, and motors.

Honors Course Number:	IC425X0C	Pathway:	Electrical Trades
Prerequisite:	IC41 Electrical Trades I		
Schools:	JHS, NHS, SBHS		
Aligned Industry Credential:	NC NCCER Electrical Trades II Credential		

ELECTRICAL TRADES III - HONORS

On your way to becoming an electrician? In this advanced course, you will learn skills needed for industrial wiring, conduit bending, installing junction boxes, and conductor terminations and splices.

Honors Course Number:	IC435X0C	Pathway:	Electrical Trades
Prerequisite:	IC42 Electrical Trades III		
Schools:	JHS, NHS, SBHS		
Aligned Industry Credential:	NC NCCER Electrical Trades III Credential		

HVACR I - HONORS

We don't notice the air conditioners and heaters in our homes until they stop working. Who are you going to call? This course is designed for you to develop basic HVAC skills. You will learn terminology, trade mathematics, basic electricity, heating, cooling, air distribution systems, and basic copper soldering and brazing.

Honors Course Number:	IC315X0C	Pathway:	HVACR
Prerequisite:	IC00 Construction Core / Must enroll in IC32 HVACR concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NC NCCER HVACR Credential		

HVACR II- HONORS

Advance your HVAC skills to learn basic technician practices. You will learn alternating current, compressors, refrigerants and oils, leak detection, evacuation, recovery and charging, metering devices, heat pumps, and basic maintenance.

Honors Course Number:	IC322X0C	Pathway:	HVACR
Prerequisite:	Must enroll in IC31 HVACR concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NC NCCER HVACR Credential		

HVACR III- HONORS

Broaden your skills to becoming an HVAC technician. In this course, you will learn advanced skills in flexible duct systems, commercial airside systems, and air quality equipment.

Honors Course Number:	IC332X0C	Pathway:	HVACR
Prerequisite:	IC32 HVACR II / Must enroll in WS03 Advanced Studies in Architecture & Construction concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	NC NCCER HVACR Credential		

MASONRY I - HONORS

Do you like working outside with your hands, while feeling like you accomplished something that you have built and make a lot of money? If your answer is yes to all the above, Masonry 1 Honors is the course for you! Brick Masonry is fun and rewarding! You will work with masonry units and mortar daily and learn the fundamental skills of brick masonry.

Honors Course Number:	IC115X0C	Pathway:	Masonry
Prerequisite:	IC00 Construction Core		
Schools:	RHS, WOHS		
Aligned Industry Credential:	NC NCCER Masonry I Credential		

MASONRY II- HONORS

Are you ready to build a masterpiece? Do you want to learn how to lay bricks like an expert? If you are looking for a place to work with your hands and collaborate with other students while completing projects? Masonry II is right for you.

Course Number:	IC125X0C	Pathway:	Masonry
Prerequisite:	IC11 Masonry I		
Schools:	RHS, WOHS		
Aligned Industry Credential:	NC NCCER Masonry II Credential		

MASONRY III - HONORS

Are you ready for a challenge? Do you want to be ready for a career in brick masonry? In Masonry III you will learn complex brick laying techniques to prepare you for an apprenticeship. You will also learn the environment's effect on brick masonry. If you just want to broaden your construction trade knowledge, Masonry III is the right course for you.

Honors Course Number:	IC135X0C	Pathway:	Masonry
Prerequisite:	IC12 Masonry II		
Schools:	RHS, WOHS		
Aligned Industry Credential:	NC NCCER Masonry III Credential		

MARINE OCCUPATIONS I

Do you like boating? If you answered yes Marine Occupations is the class for you. Students learn about safe boating and have the opportunity earn their NC Boating License. Students also get experience in welding, fiberglass repair, engine repair, and vessel navigation.

Course Number:	IL532X0C	Pathway:	Marine Trades
Prerequisite:	IC00 Construction Core		
Schools:	DHS		
Aligned Industry Credential:	North Carolina Boater Education Certificate		

MARINE OCCUPATIONS II

Do you want to learn more about welding and marine trades? Students will learn how to stick weld and MIG weld, use a plasma cutter and various other metal working tools used in marine trades. This is a project-based class that requires students to work in the shop daily. Students design and build projects based on skills acquired during the course.

Course Number:	IL542X0C	Pathway:	Marine Trades
Prerequisite:	IL53 Marine Occupations I		
Schools:	DHS		
Aligned Industry Credential:	NCCER Maritime Pipefitting Level 1		

MARINE OCCUPATIONS III

Have you enjoyed the Marine Occupations courses? Do you want a job in the Maritime industry? If you answered yes, this is the class for you? Students will continue to learn and refine their welding and maritime skills. They will complete projects, make connections, and prepare for jobs.

Course Number:	IL732X0C	Pathway:	Marine Trades
Prerequisite:	IL54 Marine Occupations II		
Schools:	DHS		
Aligned Industry Credential:	NCCER Maritime Structural Fitting		

WELDING TECHNOLOGY I - HONORS

Welding I introduce students to the basic industrial welding practices in stick welding and learning to weld in all positions. Topics include safety, hand and power tools, and the thermal cutting process.

Course Number:	IM615X0C	Pathway:	Welding
Prerequisite:	Must enroll in IM62 Welding Technology II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE - Thermal Cutting Process OSHA-10- Hour Industry Certification S/P2 - Welding Safety and Pollution Prevention		

WELDING TECHNOLOGY II - HONORS

Advanced metal welding to include fillet welds, v-groove welds, plasma arc cutting and weld inspection. Students prepare to achieve the AWS welding certification in the flat and vertical positions.

Course Number:	IM625X0C	Pathway:	Welding
Prerequisite:	Must enroll in IM61 Welding Technology I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE- Shielded Metal Arc Welding (SMAW)		

WELDING TECHNOLOGY III - HONORS

Designed to develop the more advanced welding techniques and cutting practices used in today's industry and construction. Students learn in depth metal properties, gas metal arc welding, flux cored arc welding, and gas tungsten arc welding.

Course Number:	IM635X0C	Pathway:	Welding
Prerequisite:	IM62 Welding Technology II Must enroll in WB49 CTE Advanced Studies for Manufacturing concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	AWS SENSE- Gas Metal Arc Welding (GMAW) AWS Sense – Flux Cored Arc Welding (FCAW)		

WOODWORKING I

Would you like to learn how to make things out of wood? Woodworking I teaches you how to build cabinets and furniture using hand tools, power tools, finishing techniques, and assembly.

Course Number:	IM212X0C	Pathway:	Woodworking
Prerequisite:	None		
Schools:	DHS, SBHS		
Aligned Industry Credential:	OSHA 10-Hour Construction Industry Certification		

WOODWORKING II- HONORS

Learn more advanced woodworking techniques using hand and power tools to build and finish furniture and cabinets. Students build various woodworking projects to demonstrate the skills learned.

Course Number:	IM225X0C	Pathway:	Woodworking
Prerequisite:	IM21 Woodworking II		
Schools:	DHS, SBHS		
Aligned Industry Credential:	Woodwork Career Alliance Sawblade Certificate OSHA 10-Hour Construction Industry Certification		

CTE INTERNSHIP IN ARCHITECTURE & CONSTRUCTION - HONORS

A CTE Internship allows for additional development of career and technical competencies within Architecture & Construction related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI035X0	Pathways:	Carpentry Drafting Architectural Electrical Trades HVACR Interior Design Masonry
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN MANUFACTURING - HONORS

A CTE Internship allows for additional development of career and technical competencies within Manufacturing related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI135X0	Pathway:	Advanced Manufacturing Marine Trades Welding Woodworking
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN ARCHITECTURE & CONSTRUCTION

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS032X0	Pathway:	Carpentry Drafting Architectural Electrical Trades HVACR Interior Design Masonry
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN MANUFACTURING

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WB492X0	Pathway:	Advanced Manufacturing I Marine Trades Welding Woodworking
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

ENGINEERING PATHWAYS

Drafting Engineering Career Pathway (DREN)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IC61 Drafting I (H)	IV22 Drafting II – Engineering (H)	IV23 Drafting III – Engineering (H) OR CTE Advanced Studies OR CTE Internship	JHS NSHS SWHS

PLTW Engineering Career Pathway (PLWE)			
Prerequisite	Concentrator	Career Pathway Major	Schools
CE10 PLTW Introduction to Engineering Design OR CE11 PLTW Principles of Engineering	CE13 PLTW Digital Electronics OR CE14 PLTW Civil Engineering & Architecture	CE16 PLTW Engineering Design & Development OR CTE Advanced Studies OR CTE Internship	RHS SBHS WOHS

Robotics Engineering Career Pathway (DREN)			
Prerequisite	Concentrator	Career Pathway Major	Schools
CL13 Robotics I - Engineering	CL14 Robotics II – Engineering (H)	CTE Advanced Studies OR CTE Internship	ENCRSC

DRAFTING I - HONORS

Do you like to draw? Do you want to design your own home? This course will teach you the first steps of design. You will learn to use AutoCAD to draw your ideas so others can build, construct, or manufacture to your specifications.

Course Number:	IC615X0C	Pathway:	Drafting Architectural Drafting Engineering
Honors Course Number:	IC615X0C		
Prerequisite:	None		
Schools:	JHS, NSHS, RHS, SWHS		
Aligned Industry Credential:	Autodesk Certified User AutoCAD		

DRAFTING II ENGINEERING - HONORS

Do you have an idea for a product that the world doesn't know it needs yet? This class will teach you about how the design process works. You will start from ideas to building and hands-on creating to selling your product. You will use the latest 3D modeling software used in the industry!

Honors Course Number:	IV225X0C	Pathway:	Drafting Engineering
Prerequisite:	IC61 Drafting I		
Schools:	JHS, NSHS, SWHS		
Aligned Industry Credential:	Autodesk Certified User Inventor		

DRAFTING III ENGINEERING - HONORS

Refine your engineering design skills in 3D software. Begin to create product views and work through the engineering design process. Learn advanced manufacturing processes, dimensioning and tolerancing and 3d modeling. You will create a professional portfolio that contains drawings and designs to show future employers!

Honors Course Number:	IV235X0C	Pathway:	Drafting Engineering
Prerequisite:	IV22 Drafting Engineering II		
Schools:	JHS, NSHS, SWHS		
Aligned Industry Credential:	Autodesk Certified Professional Inventor		

PLTW INTRODUCTION TO ENGINEERING DESIGN- HONORS

Look around you! Everything you see has been worked on or created by engineers! This course will teach you the steps to create products that help make our lives better. You will learn how to use 3-D computer models. You will use a virtual environment to work on projects and make models!

Course Number:	CE107X0CAP	Pathway:	PLTW Engineering
Prerequisite:	None		
Schools:	RHS, SBHS, WOHS		
Aligned Industry Credential:	None		

PLTW PRINCIPLES OF ENGINEERING-HONORS

All you need to know about engineering is shown in this course. Learn about major ideas you will see in life after high school in engineering. College information, scientific concepts used in engineering design, and learning how to research – engineering style – are just a few of the items that you will encounter in this class. Not only will you learn to work and document your process like an engineer, but you will survey all types and ideas of engineering in this course!

Course Number:	CE117X0CAP	Pathway:	PLTW Engineering
Prerequisite:	None		
Schools:	RHS, SBHS, WOHS		
Aligned Industry Credential:	None		

PLTW DIGITAL ELECTRONICS- HONORS

This course teaches you about digital electronics and engineering in digital processes. You will learn how to design circuit processes. Create different types of logic and memory with digital apps. Just like engineers do in industry!

Course Number:	CE137X0CAP	Pathway:	PLTW Engineering
Prerequisite:	CE10 PLTW Introduction to Engineering Design OR CE11 PLTW Principles of Engineering		
Schools:	RHS, SBHS, WOHS		
Aligned Industry Credential:	None		

PLTW CIVIL ENGINEERING AND ARCHITECTURE-HONORS

This is the final course in the engineering path. You will choose a real-world challenge, research, design, and test a solution to a problem. You will present your unique solution to a panel of engineers. Shark Tank engineering style!

Course Number:	CE147X0CAP	Pathway:	PLTW Engineering
Prerequisite:	CE10 PLTW Introduction to Engineering Design OR CE11 PLTW Principles of Engineering		
Schools:	RHS		
Aligned Industry Credential:	None		

PLTW CAPSTONE- HONORS

In this capstone Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students identify a real-world challenge and then research, design, and test a solution, ultimately presenting their unique solutions to a panel of engineers.

Course Number:	CE162X0C	Pathway:	PLTW Engineering
Prerequisite:	CE13 PLTW Digital Electronics OR CE14 PLTW Civil Engineering & Architecture		
Schools:	RHS, SBHS, WOHS		
Aligned Industry Credential:	None		

TECHNOLOGY ENGINEERING & DESIGN

This course prepares students to understand and apply technological concepts and processes that are the cornerstone of the high school technology program. Group and individual activities engage students in creating ideas, developing innovations, and engineering practical solutions. Technology content, resources, and laboratory/classroom activities apply student applications of science, mathematics, and other school subjects in authentic situations. This course focuses on the three dimensions of technological literacy knowledge, ways of thinking and acting, and capabilities with the goal of students developing the characteristics of technologically literate citizens. It employs teaching/learning strategies that enable students to explore and deepen their understanding of "big ideas" regarding technology and makes use of a variety of assessment instruments to reveal the extent of understanding.

Course Number:	CT10	Pathway:	Technical Engineering & Design
Prerequisite:	None		
Schools:	RHS		
Aligned Industry Credential:	None		

TECHNOLOGICAL DESIGN

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.

Course Number:	CT11	Pathway:	Technical Engineering & Design
Prerequisite:	CT10 Technology Engineering & Design		
Schools:	RHS		
Aligned Industry Credential:	None		

ENGINEERING DESIGN

This course focuses on how engineers apply their creativity, resourcefulness, mathematical, scientific, and technical knowledge, and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential, and iterative design and development process to solve authentic engineering tasks/problems. Students will be challenged to participate as members of engineering teams within a typical business organization. Independent and group work will be reflective of authentic engineering projects found in the designed world. Student performance within this structure will be assessed in numerous and diverse ways. It is important to note that measurement of student performance will be reflective of actual professional engineering evaluative processes currently used in this career field. Major topics, or chapters, will be included to organize instruction of appropriate standards and benchmarks and reflect contemporary engineering industry practices.

Course Number:	CT12	Pathway:	Technical Engineering & Design
Prerequisite:	CT10 Technology Engineering & Design CT11 Technological Design		
Schools:	RHS		
Aligned Industry Credential:	None		

ROBOTICS I - ENGINEERING

Will robots take over the world? Probably not, but robots are everywhere. You will learn what makes robots work and how they function to make our lives easier. This course focuses on engineering concepts including physics, programming, mechanical systems, and electrical and electronics systems.

Course Number:	CL132X0C	Pathway:	Robotics Engineering
Prerequisite:	Must be enrolled in CL14 Robotics I – Engineering concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

ROBOTICS II - ENGINEERING

Continue your robot building and programming skills with Advanced C Programming. You will complete projects that include giving your robot creations purpose by designing their functionality.

Course Number:	CL142X0C	Pathway:	Robotics Engineering
Prerequisite:	Must be enrolled in CL13 Robotics I – Engineering concurrently.		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

CTE INTERNSHIP IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS - HONORS

A CTE Internship allows for additional development of career and technical competencies within STEM related businesses. 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. 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.

Honors Course Number:	WI155X0	Pathway:	Drafting Engineering PLTW Engineering Robotics Engineering
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS152X0	Pathway:	Drafting Engineering PLTW Engineering Robotics Engineering
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

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.



EMERGENCY SERVICES PATHWAYS

Emergency Management Career Pathway (EMMG)

Prerequisite	Concentrator	Career Pathway Major	Schools
IP11 Public Safety I	IP51 Emergency Management I	IP52 Emergency Management II (H) OR CTE Advanced Studies OR CTE Internship	SWHS

Firefighter Technology Career Pathway (FIFI)

Prerequisite	Concentrator	Career Pathway Major	Schools
IP31 Firefighter Technology I	IP32 Firefighter Technology II	IP33 Firefighter Technology III (H) OR IP51 Emergency Management I OR CTE Advanced Studies OR CTE Internship	ENCRSC

Public Safety Career Pathway (PUSA)

Prerequisite	Concentrator	Career Pathway Major	Schools
IP11 Public Safety I	IP12 Public Safety II (H)	CTE Advanced Studies OR CTE Internship	SWHS

PUBLIC SAFETY I

Are you interested in being a firefighter, EMT, law enforcement officer, 911 call center operator, or other public safety worker? This course will teach you basic career information for public safety occupations and introduce the Incident Command System.

Course Number:	IP112XOC	Pathway:	Public Safety Emergency Management
Prerequisite:	None		
Schools:	SWHS		
Aligned Industry Credential:	National Incident Management System		

PUBLIC SAFETY II - HONORS

This course provides a deeper level of understanding of public safety by focusing on the Community Emergency Response Team (C.E.R.T.) Certification. CERT educates students about disaster preparedness for the hazards that may impact their area and trains them in basic disaster response skills, such as fire safety, light search and rescue, team organization, & disaster medical operations.

Course Number:	IP125XOC	Pathway:	Public Safety
Prerequisite:	IP11 Public Safety I		
Schools:	SWHS		
Aligned Industry Credential:	Community Emergency Response Team (CERT) NECI 911 Basic Communications		

EMERGENCY MANAGEMENT I

Do you know how people get help after a natural disaster? Or a major emergency? In this course you will learn how emergency agencies work to help people. You will learn about different government programs. Also, you will learn how to prepare for major disaster events.

Course Number:	IP512XOC	Pathway:	Emergency Management
Prerequisite:	IP11 Public Safety I OR IP32 Firefighter Technology II		
Schools:	SWHS		
Aligned Industry Credential:	NC Emergency Management I Certification		

EMERGENCY MANAGEMENT II - HONORS

Continue to build to a certification in Emergency Management. This course prepares you for various disaster scenarios and how to manage resources for aid. Various FEMA certifications are offered in this course.

Course Number:	IP525XOC	Pathway:	Emergency Management
Prerequisite:	IP51 Emergency Management I		
Schools:	SWHS		
Aligned Industry Credential:	NC Emergency Management II Certification - Management		

FIREFIGHTER TECHNOLOGY I

Learn the basics of Firefighting. Learn and practice skills in Orientation and Safety Health and Wellness; Fire Behavior; Personal Protective Equipment; Fire Hose, Streams, and Appliances, Portable Extinguishers; Foam Fire Streams; and Emergency Medical Care. This course is the first of three that lead to certifying as a North Carolina Certified Firefighter.

Course Number:	IP312XOC	Pathway:	Firefighter Technology
Prerequisite:	None		
Schools:	ENCRSC		
Aligned Industry Credential:	NCOSFM Credential – Firefighter Technology I		

FIREFIGHTER TECHNOLOGY II

Learn more advanced skills in Firefighting. You will learn and demonstrate skills in Building Construction, Ropes, Alarms and Communications, Forcible Entry, Ladders, Ventilation, and Loss Control. This course is the second of three that lead to being certified as a North Carolina Certified Firefighter.

Course Number:	IP322XOC	Pathway:	Firefighter Technology
Prerequisite:	IP31 Firefighter Technology I		
Schools:	ENCRSC		
Aligned Industry Credential:	NCOSFM Credential – Firefighter Technology II		

FIREFIGHTER TECHNOLOGY III - HONORS

The last and most advanced course in the Firefighting series. You will learn about water supplies, sprinklers, rescue, safety and survival. This course is the third of three that lead to certifying as a North Carolina Certified Firefighter.

Honors Course Number:	IP335X0C	Pathway:	Firefighter Technology
Prerequisite:	IP32 Firefighter Technology I		
Schools:	ENCRSC		
Aligned Industry Credential:	NCOSFM Credential – Firefighter Technology III		

CTE INTERNSHIP IN LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY - HONORS

A CTE Internship allows for additional development of career and technical competencies within Public Safety related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI125X0	Pathway:	Emergency Management Firefighter Technology Public Safety
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WB452X0	Pathway:	Emergency Management Firefighter Technology Public Safety
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		

AUTOMOTIVE SERVICES PATHWAYS

Automotive Services Career Pathway (AUTO)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IT11 Automotive Service Fundamentals & IT16 Automotive Service I	IT17 Automotive Service II (H) & IT18 Automotive Service III (H)	CTE Advanced Studies <i>OR</i> CTE Internship	ENCRSC

Collision Repair Career Pathway (COLL)			
Prerequisite	Concentrator	Career Pathway Major	Schools
IT30 Collision Repair Fundamentals & IT31 Collision Repair I	IT32 Collision Repair II Non-Structural (H) & IT33 Collision Repair III Refinishing (H)	CTE Advanced Studies <i>OR</i> CTE Internship	ENCRSC

AUTOMOTIVE SERVICE FUNDAMENTALS

Today's vehicles are so advanced that it takes a technician to service them. This course will teach you automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Safety and teamwork are key components to this introductory course.

Course Number:	IT112X0C	Pathway:	Automotive Services
Prerequisite:	Must enroll in IT16 Automotive Service I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	S/P2 Mechanical Safety S/P2 Mechanical Pollution Prevention		

AUTOMOTIVE SERVICE I

Do you want to learn more about automotive knowledge and skills? Basic maintenance, brakes, electrical systems, drivetrain, heating and air, steering, and suspension are part of the course. The hands-on experience you will gain in this class may give you the opportunity to earn certification that can help you get a job as an auto mechanic.

Course Number:	IT162X0C	Pathway:	Automotive Services
Prerequisite:	Must enroll in IT11 Automotive Service Fundamentals concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

AUTOMOTIVE SERVICE II - HONORS

Do you want to learn more about advanced automotive knowledge and skills? Through hands-on experience, you will develop advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems.

Course Number:	IT175X0C	Pathway:	Automotive Service
Prerequisite:	IT16 Automotive Service I Must enroll in IT18 Automotive Service III concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ASE Entry-Level Certification Maintenance and Light Repair ASE Entry-Level Certification-Brakes		

AUTOMOTIVE SERVICE III - HONORS

Do you want to be an automotive technician? In this advanced course, you will learn about advanced maintenance, brakes, electrical systems, drivetrain, heating and air, steering, and suspension. The hands-on experience you will gain in this class may give you the opportunity to earn the Automotive Service Excellence (ASE) certification that will help you get a job as an auto technician.

Course Number:	IT185X0C	Pathway:	Automotive Service
Prerequisite:	Must enroll in IT17 Automotive Service II concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	ASE Auto Maintenance and Light Repair Certification (Test G1) ASE Entry-Level Certification- Electrical/Electronic Systems		

COLLISION REPAIR FUNDAMENTALS

Ever watch videos on custom cars? You will learn basic safety, equipment, and materials used to fix wrecked or rusted vehicles. This is also the first class you will need to learn how to customize your ride.

Course Number:	IT302X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT31 Collision Repair I concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	S/P2 Collision Repair and Refinish Safety S/P2 Collision Repair and Refinish – Pollution Prevention		

COLLISION REPAIR I

Upgrade your skills and your ride. Learn about learn about trim and hardware, material identification, steel cosmetic, straightening and plastic repair, moveable glass replacement, and bolted-on parts replacement. You will also start working on I-CAR certifications to help you get a job in the auto body field.

Course Number:	IT312X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT32 Collision Repair Fundamentals concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	None		

COLLISION REPAIR II – NON-STRUCTURAL - HONORS

Broaden your skills to restore, fix or build your custom ride? You will learn more about trim and hardware, material identification, steel cosmetic straightening, plastic repair, moveable glass replacement, and bolted-on parts replacement. You will also continue working on I-CAR certifications to help you get a job in the auto body field.

Course Number:	IT325X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT33 Collision Repair II - Refinishing concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	I-CAR Platinum™- ProLevel® 1 for Non-Structural		

COLLISION REPAIR II – REFINISHING - HONORS

The dings are out, and body is like new again. It's time to prep, prime, and paint. You will learn about repairing and priming vehicles and parts, spray guns, sanding, buffing, and detail a refinished vehicle. You will also continue working on I-CAR certifications to help you get a job in the auto body field.

Course Number:	IT335X0C	Pathway:	Collision Repair
Prerequisite:	Must enroll in IT32 Collision Repair II – Non-Structural concurrently		
Schools:	ENCRSC		
Aligned Industry Credential:	I-CAR I-CAR Platinum™- ProLevel® 1 for Refinishing ASE Entry-Level Certification – Painting and Refinishing		

CTE INTERNSHIP IN TRANSPORTATION - HONORS

A CTE Internship allows for additional development of career and technical competencies within Public Safety related businesses. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about careers, and perform certain job tasks. 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.

Honors Course Number:	WI165X0	Pathway:	Automotive Services Collision Repair
Prerequisite:	Completion of at least one CTE course		
Schools:	All Schools		
Aligned Industry Credential:	None		

CTE ADVANCED STUDIES IN TRANSPORTATION

This project-based course is designed for juniors and seniors who want to go deeper into the study of a particular pathway after completing that pathway. Students work under the guidance of a teacher with expertise in the content area in collaboration with business and industry partners. Students must complete four parts of the advanced studies program. The four parts are writing a research paper, producing a product, developing a portfolio, and delivering a presentation.

Course Number:	WS162X0	Pathway:	Automotive Services Collision Repair
Prerequisite:	Completion of 2 courses within the same pathway with one being a designated concentrator course.		
Schools:	All Schools		
Aligned Industry Credential:	None		

Automotive body and related repairers repair and refinish automotive vehicle bodies and straighten vehicle frames.

What do they typically do

- Follow supervisors' instructions about which parts to restore or replace and about how much time the job should take
- Review damage reports, prepare or review repair cost estimates, and plan work to be performed
- Sand body areas to be painted and cover bumpers, windows, and trim with masking tape or paper to protect them from the paint
- **Fit and weld replacement parts into place using wrenches and welding equipment, and grind down welds to smooth them using power grinders and other tools**
- Prime and paint repaired surfaces using paint spray guns and motorized sanders
- Remove damaged sections of vehicles using metal-cutting guns, air grinders, and wrenches, and install replacement parts using wrenches or welding equipment
- Chain or clamp frames and sections to alignment machines that use hydraulic pressure to align damaged components
- Fill small dents that cannot be worked out with plastic or solder

Annual Salary (Wages)



Lower End Wage (10th Percentile)

\$26,310 (\$12.65/hr)

Middle Wage (50th Percentile)

\$45,590 (\$21.92/hr)

Higher End Wage (90th Percentile)

\$ 80,350 (\$38.63/hr)

Program Area	Course #	CTE Course Name	Max Enrollment	Notes	DHS	JHS	NHS	RHS	SWHS	SBHS	WOHS	ENCR	OVS
AED	AA212X0C	Animal Science I	25		X	X		X	X		X		
AED	AA215X0C	Animal Science I Honors	25										
AED	AA225X0C	Animal Science II-Food Animal-Honors	25										
AED	AA232X0C	Animal Science II-Companion Animal	25		X	X		X	X		X		
AED	AA415X0C	Veterinary Assisting-Honors	15	For safety reasons, enrollment is not to exceed 15		X							
AED	AP412X0C	Horticulture I	20		X	X		X			X		
AED	AP415X0C	Horticulture I Honors	20										
AED	AP422X0C	Horticulture II	20		X	X		X			X		
AED	AS312X0C	Agricultural Mechanics I	20	For safety reasons, enrollment is not to exceed 20	X			X	X		X		
AED	AS335X0C	Agricultural Mechanics II-Honors	20	For safety reasons, enrollment is not to exceed 20	X			X	X		X		
AED	AU212X0C	Sustainable Agricultural Production I	25					X			X		
AED	AU222X0C	Sustainable Agricultural Production II	25					X			X		
AED	AN51	Natural Resources I	25					X					
AED	AN52	Natural Resources II	25					X					
BFME	BA102X0C	Accounting I	25	Enrollment must not exceed number of available computers in classroom			X						
BFME	BA105X0C	Accounting I Honors	25	Enrollment must not exceed number of available computers in classroom									
BFME	BA205X0C	Accounting II Honors	25	Enrollment must not exceed number of available computers in classroom			X						
BFME	BB402X0C	Business Management I	30			X	X	X	X	X			X
BFME	BB422X0C	Business Management II	30			X	X	X	X	X			X
BFME	BF102X0C	Business Essentials	30		X	X	X	X	X	X	X		X
BFME	BF212X0C	Financial Planning I	30					X			X		
BFME	BF222X0C	Financial Planning II	30					X			X		
BFME	BI508X0C	IB Business Management	25			X							
BFME	ME112X0C	Entrepreneurship I	25				X		X	X			
BFME	ME125X0C	Entrepreneurship II Honors	25				X		X	X			
BFME	MH312X0C	Sports & Event Marketing I	30			X				X	X		
BFME	MH322X0C	Sports & Event Marketing II Honors	30			X				X	X		
BFME	MI312X0C	Sales I	30			X	X				X		
BFME	MI322X0C	Sales II	30			X	X				X		
BFME	MM512X0C	Marketing	30							X			
BFME	MM522X0C	Marketing Applications	30							X			

BFME	4A037X0	AP Macroeconomics	30				X						
BFME	4A047X0	AP Microeconomics	30				X						
CSIT	OA027X0CAP	AP Computer Science Principles	25	Enrollment must not exceed number of available computers in classroom		X	X		X		X		
CSIT	GS115X0	Microsoft Excel-Honors	25	Enrollment must not exceed number of available computers in classroom	X			X		X	X		
CSIT	CS202X0C	Computer Science I	25	Enrollment must not exceed number of available computers in classroom	X	X		X	X		X		X
CSIT	CS212X0C	Computer Science II	25	Enrollment must not exceed number of available computers in classroom	X		X	X	X		X		X
CSIT	CD102X0C	Adobe Visual Design I	25	Enrollment must not exceed number of available computers in classroom			X	X					
CSIT	CD112X0C	Adobe Visual Design II	25	Enrollment must not exceed number of available computers in classroom			X	X					
CSIT	CD142X0C	Adobe Video Design I	25	Enrollment must not exceed number of available computers in classroom			X	X					
CSIT	IL712X0C	Programming & Broadcasting I	25	Enrollment must not exceed number of available computers in classroom						X			
CSIT	IL722X0C	Programming & Broadcasting II	25	Enrollment must not exceed number of available computers in classroom						X			
CSIT	CD202X0C	3D Modeling and Animation I	20	Enrollment must not exceed number of available computers in classroom								X	
CSIT	CD212X0C	3D Modeling and Animation II	20	Enrollment must not exceed number of available computers in classroom								X	
CSIT	CD302X0C	Game Art Design	20	Enrollment must not exceed number of available computers in classroom								X	
CSIT	CD312X0C	Advanced Game Art Design	20	Enrollment must not exceed number of available computers in classroom									
FCS	FC132X0C	Counseling and Mental Health I	25		X				X				
FCS	FC142X0C	Counseling and Mental Health II	25		X				X		X		
FCS	FH102X0C	Culinary Arts and Hospitality I	20	For safety reasons, enrollment is not to exceed 20								X	
FCS	FH112X0C	Culinary Arts and Hospitality II	20	For safety reasons, enrollment is not to exceed 20								X	
FCS	FH132X0C	Culinary Arts and Hospitality III	20	For safety reasons, enrollment is not to exceed 20								X	

FCS	FH142X0C	Culinary Arts and Hospitality IV	20	For safety reasons, enrollment is not to exceed 20														x	
FCS	FI512X0C	Interior Design Fundamentals	25							x									
FCS	FI522X0C	Interior Design Studio	25							x									
FCS	FN412X0C	Food and Nutrition I	20	For safety reasons, enrollment is not to exceed 20	x	x	x	x	x	x	x	x							
FCS	FN422X0C	Food and Nutrition II	20	For safety reasons, enrollment is not to exceed 20	x	x	x	x	x	x	x	x							
FCS	FN435X0C	Food Science and Technology Honors	20	For safety reasons, enrollment is not to exceed 20					x										
HSE	HB112X0C	Biomedical Technology I	30		x	x	x					x							x
HSE	HB115X0C	Biomedical Technology I Honors	30																
HSE	HH325X0C	Pharmacy Technician Honors	20		x							x	x						
HSE	HN435X0C	Nursing Fundamentals Honors	10	NC Nursing Regulation Requirement, enrollment shall not be more than 10 at any time.														x	
HSE	HU402X0C	Health Science I	30		x	x	x	x	x	x	x	x							x
HSE	HU405X0C	Health Science I Honors	30																
HSE	HU422X0C	Health Science II	20		x	x	x	x	x	x	x	x							x
HSE	HU425X0C	Health Science II Honors	20																
HSE	HN452X0C	Public Health Fundamentals	20		x	x													
HSE	HP705X0C	PLTW Principles of Biomedical Sciences	20																
HSE	HP715X0C	PLTW Human Body Systems	20										x						
HSE	HP725X0C	PLTW Medical Interventions	20											x					
IB	0I008X0CAB	IB Personal and Professional Skills	20			x							x						
TTEIE	IC002X0C	Construction Core	20	For safety reasons, enrollment is not to exceed 20	x	x	x	x	x	x	x	x							
TTEIE	IC115X0C	Masonry I Honors	20	For safety reasons, enrollment is not to exceed 20					x									x	
TTEIE	IC122X0C	Masonry II Honors	20	For safety reasons, enrollment is not to exceed 20					x									x	
TTEIE	IC135X0C	Masonry III Honors	20	For safety reasons, enrollment is not to exceed 20					x									x	
TTEIE	IC212X0C	Carpentry I	20	For safety reasons, enrollment is not to exceed 20		x	x			x	x	x							

TTEIE	IC225X0C	Carpentry II Honors	20	For safety reasons, enrollment is not to exceed 20		×	×		×	×	×		
TTEIE	IC235X0C	Carpentry III Honors	20	For safety reasons, enrollment is not to exceed 20		×	×		×	×	×		
TTEIE	IC422X0C	Electrical Trades I Honors	20	For safety reasons, enrollment is not to exceed 20		×	×		×				
TTEIE	IC425X0C	Electrical Trades II Honors	20	For safety reasons, enrollment is not to exceed 20		×	×	×	×				

TTEIE	IC435X0C	Electrical Trades III Honors	20	For safety reasons, enrollment is not to exceed 20		×	×		×								
TTEIE	IC615X0C	Drafting I Honors	25	Enrollment must not exceed number of available computers in classroom		×	×	×	×								
TTEIE	IC625X0C	Drafting-Architr II Honors	25	Enrollment must not exceed number of available computers in classroom			×	×	×								
TTEIE	IC635X0C	Drafting-Architr III Honors	25	Enrollment must not exceed number of available computers in classroom			×		×								
TTEIE	IL532X0C	Marine Occupations I	20	For safety reasons, enrollment is not to exceed 20	×												
TTEIE	IL542X0C	Marine Occupations II	20	For safety reasons, enrollment is not to exceed 20	×												
TTEIE	IL732X0C	Marine Occupations III	20	For safety reasons, enrollment is not to exceed 20	×												
TTEIE	IC315X0C	HVACR I Honors	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IC322X0C	HVACR II Honors	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IC332X0C	HVACR III Honors	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IM212X0C	Woodworking I	20	For safety reasons, enrollment is not to exceed 20	×								×				
TTEIE	IM222X0C	Woodworking II Honors	20	For safety reasons, enrollment is not to exceed 20	×								×				
TTEIE	IM612X0C	Welding Tech I	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IM622X0C	Welding Tech II	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IM632X0C	Welding Tech III	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IP112X0C	Public Safety I	25										×				
TTEIE	IP122X0C	Public Safety II Honors	25										×				
TTEIE	IP312X0C	Fire Fighter Technology I	25														×
TTEIE	IP322X0C	Firefighter Technology II	25														×
TTEIE	IP332X0C	Fire Fighter Technology III Honors	25														×
TTEIE	IP322X0C	Firefighter Technology II	25														×
TTEIE	IP512X0C	Emergency Management I	25														×
TTEIE	IP522X0C	Emergency Management II	25														×
TTEIE	IT112X0C	Automotive Service Fundamentals	20	For safety reasons, enrollment is not to exceed 20													×
TTEIE	IT162X0C	Automotive Service I	20	For safety reasons, enrollment is not to exceed 20													×

TTEIE	IT172X0C	Automotive Service II Honors	20	For safety reasons, enrollment is not to exceed 20														x	
TTEIE	IT182X0C	Automotive Service III Honors	20	For safety reasons, enrollment is not to exceed 20														x	
TTEIE	IT302X0C	Collision Repair Fundamentals	20	For safety reasons, enrollment is not to exceed 20														x	
TTEIE	IT312X0C	Collision Repair I	20	For safety reasons, enrollment is not to exceed 20														x	
TTEIE	IT322X0C	Collision Repair II Nonstructural Honors	20	For safety reasons, enrollment is not to exceed 20														x	
TTEIE	IT332X0C	Collision Repair II Refinishing Honors	20	For safety reasons, enrollment is not to exceed 20														x	
TTEIE	IV225X0C	Drafting-Engrng II Honors	25	Enrollment must not exceed number of available computers in classroom		x	x			x									
TTEIE	IV235X0C	Drafting-Engrng III Honors	25	Enrollment must not exceed number of available computers in classroom		x	x			x									
TTEIE	CL132X0C	Robotics I - Engineering	20															x	
TTEIE	CL142X0C	Robotics II - Engineering	20															x	
TTEIE	CE107X0C	PLTW Introduction to Engineering Design	20							x			x	x					
TTEIE	CE117X0C	PLTW Principles of Engineering	20							x			x	x					
TTEIE	CE137X0C	PLTW Digital Electronics	20							x			x	x					
TTEIE	CE147X0C	PLTW Civil Engineering and Architecture	20							x									
TTEIE	CE165X0C	PLTW Capstone	20							x			x	x					

HIGH SCHOOL COURSES

ENGLISH

The ultimate purpose of the English/Language Arts curriculum is for students to gain the language skills they need to communicate effectively as individuals and as contributing members of a global society.

The North Carolina English Language Arts Standard Course of Study (ELA) requirements for grades K-8 and grade bands 9-10 and 11-12/College and Career Readiness (CCR) 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 by fostering the ability to write logical arguments based on substantive claims, sound reasoning and relevant evidence. The Speaking and 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. Although Language standards are identified in a separate strand, they should not be taught, learned, and implemented in isolation but should be used and developed throughout reading, writing, speaking and listening.

The scope and sequence of literature for North Carolina high school students allows for a literary experience that carries not only a global perspective but an opportunity to view U. S. literature and literary nonfiction within a global lens. Literary nonfiction (a type of informational text) uses artistic and literary techniques often associated with fiction or poetry to report on actual persons, events, or places. In each English course (I-IV) students are required to study U. S. documents “of historical significance,” as well as one Shakespearean play.

CCRG-Enhanced English IV

Course Code: 10242X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 12

Prerequisite: English III

The English IV CCRG-enhanced course is a concept-based course completing the study of literary global perspectives, focusing on European literature and foundational U.S. documents and literature influenced by European philosophy or action. It will be the fourth-year English course for NC high school seniors who are deemed not college and career-ready as a result of their GPA. This course introduces developmental reading and English curricula for the high school senior and provides opportunities for college remediation for students prior to high school graduation. Readers analyze and evaluate authors' choices on the meaning, structure and aesthetic impact of texts, and how style and content add to the power of text; students will support with strong, thorough textual evidence and evaluate reasoning and evidence in arguments. Knowledge and understanding are demonstrated through frequent independent and collaborative logical, clear, and coherent writing in argument, informational, and narrative modes. Upon completion of the course, students will have reviewed English concepts necessary for reading and writing proficiency, as well as completed a variety of reading, analysis, writing, research, and presentation activities to bolster college and career-readiness.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

Course Code: 1A007X0CAP

Fee (if applicable): n/a

Offered at: DHS, JHS, NHS, OVSS, RHS, SBH, SWH, WOHS

Grade(s): 11,12

Prerequisite: English II

AP English Language and Composition is a college level course that prepares students for the Advanced Placement English and Language and Composition exam. Students practice skills and critical reading and writing of prose written in a variety of

rhetorical contexts for a variety of purposes and audiences. Students will also analyze the way genre conventions and the resources of language contribute to the effectiveness of writing. Students taking this course are encouraged to take the AP exam. This course meets requirements for English III.

FOUNDATIONS OF ENGLISH I

Course Code:10282X0C1

Fee (if applicable): n/a

Offered at: JHS, NSH, RHS, SBH, SWH

Grade(s): 9,10,11,12

Prerequisite: None

This course is designed to reinforce the foundational prerequisite skills related to the English I curriculum. The course is designed to improve basic reading skills, increase vocabulary knowledge, increase reading fluency, and teach comprehension strategies. The curriculum, which is based on the North Carolina Standard Course of Study, will provide students with a review of foundational concepts necessary for reading and writing proficiency. Students will engage in opportunities to read a variety of informational and literary texts to explore multiple styles of writing.

FOUNDATIONS OF ENGLISH II

Course Code:10282X0C2

Fee (if applicable): n/a

Offered at: JHS, NSH, RHS, SBH, SWH

Grade(s): 10,11,12

Prerequisite: None

This course is designed to reinforce the foundational prerequisite skills related to the English II curriculum of the North Carolina Standard Course of Study. This course is designed to refine literary terms, writing skills, and reading strategies before moving on to English II. The course is a concept-based study of global perspectives. Students will continue to develop knowledge and skills with language, speaking, and listening as they prepare for the rigor of English II and the North Carolina Final Exam.

ENGLISH I

Course Code: 10212X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: None

ENGLISH I HONORS - Course Code: 10215X0C

English I is a concept-based foundational study of literary genres which include influential documents of historical and literary significance as well as literary works from outside the U.S. Students will analyze specific perspectives or cultural experiences reflected in literature. Through scaffolded and close reading experiences of appropriately complex texts, students analyze the effects of author choice, such as time, plot structure, source material use, order of information, and specific words; provide strong and thorough textual evidence to support analysis of texts; and delineate the claim and evidence of an argument. Students demonstrate knowledge and understanding through supported and independent opportunities to produce logical, clear and coherent writing in argument, informational, and narrative modes; research questions on topics related to the unit concepts from multiple sources; develop knowledge and skill with language, speaking, listening, and technology, utilizing technology daily as a tool for learning.

ENGLISH II

Course Code: 10222X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 10,11,12

Prerequisite: English I

ENGLISH II HONORS - Course Code: 10225X0C

English II is a concept-based study of global perspectives including influential documents of historical and literary significance as well as literary works from outside the U.S. Students will analyze particular perspectives and cultural experiences. Through reading experiences of appropriately complex texts, students analyze effects of author choices. Readers support analysis of texts with strong and thorough textual evidence, including analysis of a point-of-view or cultural experience outside of the US; and evaluate the reasoning and evidence in arguments. Students demonstrate knowledge and understanding through increasingly independent opportunities to produce logical, clear and coherent writing in argument, informational, and narrative modes; in addition, students research questions on topics related to the unit concepts from multiple sources continue to develop knowledge and skill with language, speaking, listening, and technology, utilizing technology daily as a tool for learning.

Students are required to take a state EOC exam.

ENGLISH III

Course Code: 10232X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 11,12

Prerequisite: English II

ENGLISH III HONORS - Course Code: 10235X0C

English III is a concept-based in-depth study of U.S. and British literature and literary nonfiction. Students will develop deeper comprehension skills as they navigate U.S. and British documents of historical and literary significance. Students provide strong textual evidence to support their analysis and

evaluation of the impact of authors' choices in texts. In addition, this course provides frequent writing experiences based on readings to develop skills for writing in the argumentative, informational, and narrative modes for authentic purposes and audiences; experiences in research and use of technology; language development (grammar, mechanics, usage, syntax and word study) through purposeful reading and writing; and practical use of speaking and listening skills. Independent reading is expected.

ENGLISH IV

Course Code: 10242X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 12

Prerequisite: English III

ENGLISH IV HONORS - Course Code: 10245X0C

English IV is a concept-based course completing the study of literary global perspectives, focusing on European literature and foundational U.S. documents and literature influenced by European philosophy or action. Readers analyze and evaluate authors' choices on the meaning, structure, and aesthetic impact of texts, and how style and content add to the power of text; students will support with strong, thorough textual evidence and evaluate reasoning and evidence in arguments. Knowledge and understanding are demonstrated through frequent independent and collaborative logical, clear, and coherent writing in argument, informational, and narrative modes. Students will synthesize information from multiple sources, answering independent research questions and continuing to develop language, speaking, listening, and technology skills through purposeful reading and writing. Students become aware of the writer's purpose, audience expectations, and the importance of clear thinking and writing in the effectiveness of the text.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

Course Code: 1A017X0CAP

Fee (if applicable): n/a

Offered at: DHS, JHS, NHS, OVSS,

Grade(s): 11,12

RHS, SBH, SWH, WOHS

Prerequisite: English III

AP English Literature and Composition is a college level course that prepares students for the Advanced Placement English Literature and Composition exam. Students will read carefully and critically analyze literature in order to deepen their understanding of ways writers use language to provide both meaning and pleasure for their readers. Additionally, students will hone their composition skills as they respond to, analyze, and evaluate author's craft. Students taking this course are encouraged to take the AP exam. This course meets requirements for English IV.

ELA LOCAL ELECTIVE**Course Code:** 10252X0C**Fee (if applicable):** n/a**Offered at:** All High Schools**Grade(s):** 10,11,12**Prerequisite:** None**ELA LOCAL ELECTIVE HONOR - Course Code:** 10255X0

This course offers a variety of rich texts that engage students in analysis of literary and informational text, as well as poetry, drama, and fiction. It is designed for students to develop skills in the areas of research, effective studying, and communication that will be needed in all high school courses. Students are challenged to develop and demonstrate their depth of understanding, knowledge, and application of language arts skills through discussion and through collaborative and independent research presentations. The honors component of this course will require the students to delve more deeply into literature, informational text, writing, speaking, and listening standards. Assignments will promote in-depth critical thinking skills.

JOURNALISM I**Course Code:** 10312X0C**Fee (if applicable):** n/a**Earliest Grade Offered:****Grade(s):** 9,10,11, 12

Grade: 9 - SBHS

Grade: 10 - DHS, JHS, OVSS, RHS

Grade: 11 - DHS, SWHS

Prerequisite: Completion of course application with sample writings, and teacher approval with reference from one English teacher.**JOURNALISM I-HONORS: 10315X0C (JHS, RHS, SWHS, WOHS)**

Students in this class are responsible for planning, designing, and creating various school publications. The course stresses communication skills and techniques of basic journalism, as well as all aspects of desktop publishing. Students may be expected to attend after school events and to write assignments covering those events. Students may be required to enroll in Journalism both semesters. They will earn two credits if they complete both semesters.

North Carolina’s Standard Course of Study (NCSCOS) defines the appropriate content standards for each grade and each high school course to provide a uniform set of learning standards for every public school in North Carolina. These standards define what students know and should be able to do by the end of a specified year or course. The goal of the standards is to prepare all students to become career and college ready.

North Carolina’s Collaborative Instructional Frameworks organize high school math content into clusters based on students’ learning progression and incorporate the Standards of Mathematical Practice. These practices help develop mathematical mindsets, empower students to use math and focus on what it means for students to be mathematically proficient.

According to the State Graduation Requirement Policy, students earn four mathematics credits which shall be either:

1. NC Math 1, 2, and 3 and a fourth mathematics course to be aligned with the student’s post high school plans.
2. In the rare instance a principal exempts a student from the Future-Ready Core mathematics sequence, except as limited by N.C.G.S. §115C-81(b), the student will be required to pass NC Math 1 and Math 2 plus two additional courses identified on the NC DPI Math options chart.

Note: Credit shall be awarded for Math I, II, III if taken prior to the 2016-17 school year.

CALCULUS AB-ADVANCED PLACEMENT

Course Code: 2A007XOCAP **Fee (if applicable):** n/a
Offered at: DHS, NHS, RHS, SWHS, SBHS, WOHS
Prerequisite: Math 3 **Grade(s):** 10,11,12
Recommendation: Honors Pre-Calculus

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. Students taking this course are encouraged to take the AP exam.

CALCULUS BC-ADVANCED PLACEMENT

Course Code: 2A017XOCAP **Fee (if applicable):** n/a
Offered at: DHS, NHS, OVSS, RHS
Prerequisite: Math 3 **Grade(s):** 11, 12
Recommendation: Honors Pre-Calculus

AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course contains all the units found in AP Calculus AB in addition to units on parametric equations, polar coordinates, vector-valued functions and infinite sequences and series. Students taking this course are encouraged to take the AP exam.

CCRG MATHEMATICS

Course Code: 20132X0C **Fee (if applicable):** n/a
Offered at: All High Schools **Grade(s):** 12
Prerequisite: Math 3 and placement in accordance with legislation (S.L. 2015-241, Section 10.13 amended by S.L. 2016-94 and S.L. 2018-5)

This course provides an opportunity to customize foundational math content in specific math areas and will include developing a growth mindset. Topics

include developing the academic habits, learning strategies, social skills, and growth mindset necessary to be successful in mathematics. Upon completion, students should be able to build a stronger foundation for success in their gateway level math courses by obtaining skills through a variety of instructional strategies with emphasis placed on the most essential prerequisite knowledge. The course topics include number sense, algebraic reasoning, geometric modeling, and statistical analysis. The purpose of the CCRG Mathematics course is to promote remediation-free placement into the NC Community College System (NCCCS).

COMPUTER SCIENCE PRINCIPLES-ADVANCED PLACEMENT

Course Code: 2A027XOCAP **Fee (if applicable):** n/a
Offered at: JHS, NHS, OVSS, SWHS **Grade(s):** 9,10,11,12
 WOHS
Prerequisite: Math 1

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems— including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students taking this course are encouraged to take the AP exam.

FOUNDATION OF NC MATH 1

Course Code: 20902X0C **Fee (if applicable):** n/a
Offered at: DHS, JHS, NSH, OVSS, **Grade(s):** 9,10,11,12
 RHS, SWHS, WOHS
Prerequisite: None

Fundamentals in addition, subtraction, multiplication, and division of decimals, fractions, and percentages are stressed. Basic functions in geometry and pre-algebra are introduced along with measurement, problem solving, computation, and elementary statistics and probability

FOUNDATIONS OF NC MATH 2

Course Code: 20912X0C

Fee (if applicable): n/a

Offered at: NHS, SWHS, SBHS

Grade(s): 9,10,11,12

Prerequisite: NC Math 1

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

FOUNDATIONS OF NC MATH 3

Course Code: 20922X0C

Fee (if applicable): n/a

Offered at: NHS, RHS,
SWHS, SBHS

Grade(s): 9,10,11,12

Prerequisite: NC Math 2

Foundations of NC Math III is a course designed for students who have earned a NC Math II credit but need additional support in mastering the skills necessary for success in the third math course. This course will give students the opportunity to build on prior algebraic concepts that include radicals, functions, equations, and systems. This course provides one unit of elective credit.

INTRODUCTION TO MATH

Course Code: 20202X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: None

Fundamentals in addition, subtraction, multiplication, and division of decimals, fractions, and percentages are stressed. Basic functions in geometry and pre-algebra are introduced along with measurement, problem solving, computation, and elementary statistics and probability.

NC MATH I

Course Code: 21092X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: None

NC MATH I – HONORS - Course Code: 21095X0C

NC Math 1 includes the study of linear, exponential, and quadratic functions; extending from the work in middle school where proportional reasoning skills were emphasized along with an introduction of the concept of a function. NC Math 1 students apply and extend their understandings of functions from grade 8 to the formal definition of a function and the use of function notation when expressing functions symbolically. The Algebra, Geometry and Statistics & Probability standards also support the study of functions in NC Math 1. Students will: Interpret the structure of expressions; Create equations that describe numbers or relationships; Solve systems of equations; Represent and solve equations and inequalities graphically; Interpret functions that arise in applications in terms of the context; Analyze functions using different representations; Use coordinates to prove simple geometric theorems algebraically; and summarize, represent, and interpret data on a single count or measurement variable. All students are required to take Math 1 End-Of-Course test.

NC MATH 2

Course Code: 22092X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: NC Math 1

NC MATH II –HONORS - Course Code: 22095X0C

In NC Math 2, quadratic, square root and inverse variation function families are added to the study of functions along with the more complex algebra skills to support working with more advanced algebraic expressions. NC Math 2 is also where students begin to apply transformational geometry learned in the middle grades to the study of functions. Geometric reasoning and proof are also emphasized in NC Math 2 as students focus on the study of triangles and their relationship to other planar figures. Students will: Use properties of rational and irrational numbers; Defining complex numbers; Understand solving equations as a process of reasoning and explain the reasoning; Analyze functions using different representations; Experiment with transformations in the plane; Understand congruence in terms of rigid motions; Understand similarity in terms of similarity transformations; Define trigonometric ratios and solve problems involving right triangles; Understand independence and conditional probability and use them to interpret data; and Use the rules of probability to compute probabilities of compound events in a uniform probability model.

NC MATH 3

Course Code: 23092X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: NC Math II

NC MATH III – HONORS - Course Code: 23095X0C

NC Math 3 capstones the required standard mathematics progression with the study of more complex function families and geometric modeling as an application of concepts learned in previous years from number sense, algebra, functions, and geometry. Students will: Understand the relationship between zeros and factors of polynomials; Rewrite rational expressions; Create equations that describe numbers or relationships; Represent and solve equations and inequalities graphically; Interpret functions that arise in applications in terms of the context; Analyze functions using different representations; Build a function that models a relationship between two quantities; Build new functions from existing functions; Extend the domain of trigonometric functions using the unit circle; Prove geometric theorems; Understand and apply theorems about circles; Apply geometric concepts in modeling situations; and Make inferences and justify conclusions from sample surveys, experiments, and observational studies. Students are required to take state EOC exam.

NC MATH IV

Course Code: 24092X0C

Fee: n/a

Offered at: All High Schools

Grade(s) 10,11,12

Prerequisite: NC Math III

NC MATH IV – HONORS- Course Code: 24095X0C

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.

PRE-CALCULUS- HONORS

Course Code: 24035X0C

Fee (if applicable): n/a

Offered at: DHS, NHS, RHS, SWHS, **Grade(s):** 9,10,11,12

SBHS, WOHS

Prerequisite: NC Math III

Pre-calculus builds upon the study of algebra, functions, and trigonometry experienced in previous high school mathematics courses. This course will build on students' algebraic skills and understanding of functions to delve into real world phenomena and to deepen understanding of the functions in the course. This course is designed for students pursuing careers in STEM-related fields. Students will be prepared for Calculus, AP Calculus and any entry-level college course.

PRE-CALCULUS-ADVANCED PLACEMENT

Course Code: ZA058XO

Fee: n/a

Offered at: DHS, NHS, RHS,

Grade: 10, 11, 12

SWHS, SBHS, JHS

Prerequisite: NC Math III

In AP Precalculus, students explore everyday situations using Mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, and important practice for thriving in an ever-changing world. AP Precalculus prepares students for other higher-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

STATISTICS- ADVANCED PLACEMENT

Course Code: 2A037X0CAP

Fee (if applicable): n/a

Offered at: NSH, RHS, SWHS, SBHS, WOHS, JHS

Prerequisite: Math III **Grade(s):** 10,11,12

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

SCIENCE

The North Carolina Science Essential Standards maintain the respect for local control of each Local Education Authority (LEA) to design the specific curricular and instructional strategies that best deliver the content to their students. Nonetheless, 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, when teaching science, should provide opportunities for students to engage in “hands-on/minds-on” activities that are exemplars of scientific inquiry, experimentation, 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.

North Carolina requires three units of science for high school graduation. The science graduation requirements include Biology, one course in a physical science (to include Physical Science, Chemistry, Physics) and one course in an earth/environmental science.

ANATOMY & PHYSIOLOGY HONORS

Course Code: 33305X0C **Fee (if applicable):** \$5
Offered at: NHS, RHS, SBHS, **Grade(s):** 11,12
SWHS, WOHS

Recommendation: Biology

This class is designed for students who wish to pursue a career in a medically related field. Topics covered will be the skeletal, muscular, and organ systems of the body, and the effect of both diet and disease on the body.

ANTHECOLOGY and APICULTURE

Course Code: TBD **Fees (if applicable):** n/a
Offered at: WOHS **Grade(s):** 10,11,12
Prerequisite(s): Earth and Environmental Science and Biology

Explore the fascinating realm of Anthecology and Apiculture. Unravel the intricate connections between flowers and their pollinators. Covering diverse disciplines such as botany, horticulture, entomology, ecology, agriculture, and apiculture, the curriculum delves into mutualistic interactions between flowers and pollinating animals. From comparing natural histories and understanding honey bee anatomy to mastering colony management techniques and addressing pests and diseases, students gain comprehensive insights to the world of beekeeping. The course extends beyond traditional learning, students will interact with local elementary classes visiting the apiary/education center, where they serve as role models, delivering presentations to different grade levels. The course also encourages summer involvement, urging students to volunteer in the Apiary, take the practical exam and earn a lifetime certification as a North Carolina State Beekeeper. This immersive experience not only imparts knowledge but instills a sense of responsibility in nurturing the next generation's understanding of pollinators and honey bees.

BIOLOGY

Course Code: 33202X0C **Fee (if applicable):** \$5
Offered at: All High Schools **Grade(s):** 9,10,11,12
Recommendation: None

BIOLOGY-HONORS - Course Code: 33205X0C

The North Carolina Essential Standards for Biology was written to provide deeper understanding of life science content learned throughout Grades K–8. Biology is designed to meet graduation requirements. Emphasis is on the nature of science and scientific inquiry. These are developed by use of process skills and manipulative skills through laboratory activities. Laboratory and content study combine to help the student develop a positive attitude toward science and to understand the contributions of science and technology in shaping society. The course is constructed around three major themes: Chemical and Physical Basis of Life, Continuity of Life, and Ecology. Students are required to take a state EOC exam.

BIOLOGY-ADVANCED PLACEMENT

Course Code: 3A007X0CAP **Fee (if applicable):** \$5
Offered at: DHS, *NHS, RHS, SBHS, **Grade(s):** *10, 11,12
SWHS, WOHS

Recommendation: Biology I, Biology II- Chemistry

This course is an in-depth and detailed study of Biology, which includes topics in cell physiology, genetics, evolution, anatomy, and ecology. AP Biology is intended to provide a rigorous introductory college level biology course with intense inquiry-based laboratory activities. Students should consider the extensive time that is required for reading assignments, lab reports, and independent study. Students are encouraged to take the Advanced Placement Biology exam in the Spring.

BIOLOGY II-HONORS

Course Code: 33215X0C

Fee (if applicable): \$5

Offered at: SBHS

Grade(s): 11,12

Recommendation: None

This lab-based college prep course is a prerequisite to the AP Biology Course. The course includes the following topics: Biochemistry, Cell Biology, Heredity, Molecular Genetics, and Evolutionary Biology. Independent research and in-depth laboratory experiences are integral parts of the program.

CHEMISTRY

Course Code: 34102X0C

Fee (if applicable): \$5

Offered at: All High Schools

Grade(s): 9,10,11,12

Recommendation: Math I

CHEMISTRY-HONORS

Course Code: 34105X0C

Offered at: DHS, JHS, NSH, OVSS, RHS, WOHS

Recommendation: Math 1

The Chemistry curriculum is designed to continue the investigation of the concepts introduced in earlier grades that guide inquiry in the disciplines of Chemistry and Physics. The curriculum includes Forces and Motion, Matter: Properties and Change, Energy: Conservation and Transfer. Inquiry and laboratory activities will be an integral part of the curriculum experience. This is not a required course but can fulfill one of the science credits required for graduation.

CHEMISTRY-ADVANCED PLACEMENT

Course Code: 3A017X0CAP

Fee (if applicable): \$5

Offered at: NHS, SBHS

Grade(s): 11,12

Recommendation: Chemistry

Students must be able to work at an accelerated pace independently. Students will be expected to work independently in the laboratory and problem-solving coursework that will add greater scope and detail to topics already covered in Chemistry. Principles and concepts concerning thermodynamics, kinetics, molecular structure, equilibria, and electrochemistry will be discussed and applied. When scheduling, students should consider the extensive time requirements that accompany a course of this type, including outside review sessions. Students will be encouraged to take the Advanced Placement Chemistry exam.

EARTH AND ENVIRONMENTAL SCIENCE

Course Code: 35012X0C

Fee (if applicable): \$5

Offered at: All High Schools

Grade(s): 9,10,11,12

Recommendation: None

EARTH AND ENVIRONMENTAL SCIENCE-HONORS -

Course Code: 35015X0C

This course is designed to expand students' knowledge of matter, energy, environmental awareness, material availability, and the cycles that circulate energy and material through the earth. The unifying concepts for the earth and environmental curriculum includes: Earth in the Universe, Earth Systems, Structures and Processes, and Human Impact on the Earth and its Systems. In order to develop a greater understanding of the processes that shape our everyday lives, the curriculum will integrate inquiry investigations and a variety of technologies with the study of earth as a system. The results of student investigation should be communicated through presentations and formal laboratory reports. Enrichment and integration with other disciplines is

encouraged. Students should design, conduct, and evaluate independent scientific investigations. Earth and Environmental Science is a required course for graduation in the state of North Carolina.

ENVIRONMENTAL SCIENCE-ADVANCED PLACEMENT

Course Code: 3A027X0CAP

Fee (if applicable): \$5

Offered at: DHS, JHS, NHS, OECHS,

Grade(s): 10,11,12

RHS, SBHS, SWHS, WOHS

Recommendation: Earth and Environmental Science, Biology, Chemistry

This course is a rigorous program focusing on the application of scientific concepts and principles to the understanding and solution of environmental problems and issues. A broadly interdisciplinary course, it builds upon the scientific principles from Chemistry, Physics, Biology, Ecology and Earth Science. The course includes a substantial laboratory and field component to help students learn about the environment through careful observation and experimentation. The course utilizes problem-solving, critical thinking and communication skills. Students are encouraged to take the Advanced Placement Environmental Science exam.

GENETICS

Course Code: 33602X0C

Fee (if applicable): \$5

Offered at: SWHS

Grade: 11,12

Recommendation: Biology

This course covers principles of prokaryotic and eukaryotic cell genetics. Emphasis is placed on the molecular basis of heredity, chromosome structure, patterns of Mendelian and non-Mendelian inheritance, evolution, and biotechnological applications. Upon completion, students should be able to recognize and describe genetic phenomena and demonstrate knowledge of important genetic principles. (S12198)

MARINE SCIENCE-HONORS

Course Code: 35355X0C

Fee (if applicable): \$5

Offered at: NHS, SBHS

Grade(s): 9,10,11,12

Recommendation: Earth/Environmental Science

This course is designed to reinforce scientific concepts as they relate to the ocean. Students will become familiar with many aspects of marine science. Some of the topics to be studied include geology, public policy relating to marine science, and marine biology to include a survey of plants and animals that live in the sea, their habitats and marine ecosystems. Special emphasis will be placed on factors that are relevant to the North Carolina coast.

MICROBIOLOGY-HONORS

Course Code: 33705X0C

Fee (if applicable): \$5

Offered at: SBHS

Grade(s): 10,11,12

Recommendation: Biology

Students in Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will develop a working understanding of the skills necessary to cultivate and study bacteria. In this course, students learn microbiological techniques, such as preparation of agar plates, isolation of bacteria from food, serial dilution, and plating. Focus of study on viruses and bacteria includes a survey of infectious diseases caused by these microorganisms. Students should expect to develop an understanding of infectious diseases and the prevention/control of its spread.

PHYSICAL SCIENCE

Course Code: 34102X0C **Fee (if applicable):** \$5
Offered at: All High Schools **Grade(s):** 9,10,11,12
Recommendation: Math 1

The Physical Science curriculum is designed to continue the investigation of the concepts as introduced in earlier grades that guide inquiry in the disciplines of Chemistry and Physics. The curriculum includes Forces and Motion, Matter: Properties and Change, Energy: Conservation and Transfer. Inquiry and laboratory activities will be an integral part of the curriculum experience. This is not a required course but can fulfill one of the science credits required for graduation.

PHYSICS-ADVANCED PLACEMENT

Course Code: 3A057X0CAP **Fee (if applicable):** \$5
Offered at: WOHS **Grade(s):** 11, 12
Recommendation: Honors Math III

This course provides instruction in each of the following five content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. A knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems should be the major goals of the course. Consequently, the course should utilize guided inquiry and student-centered learning to foster the development of critical thinking skills.

PHYSICS-HONORS

Course Code: 34305X0C **Fee (if applicable):** \$5
Offered at: NHS, RHS, SBHS, **Grade(s):** 11,12
SWHS, WOHS

Recommendation: Math 3, Chemistry

Honors Physics uses the North Carolina Essential Standards for Physics as a foundation for more challenging and advanced study that enriches key topics and broadens the student's view of the larger physics community including current research. Substantial class time should be devoted to student-directed exploration and experimentation, and independent student investigation. Honors Physics is an appropriate course for students with a strong mathematics and chemistry background. Success in Honors Physics will require the student to: 1) operate with algebraic expressions to solve complex equations which include trigonometric functions, 2) use exponents to solve problems, and 3) describe graphically, algebraically, and verbally real-world phenomena as functions. This course will stress problem solving over a wide range of topics: Kinematics, Mechanics, Thermodynamics, Waves, Optics and Electromagnetism.

SOCIAL STUDIES

The North Carolina Social Studies Essential Standards offer a sound, thoughtful, and defensible curricular framework that is designed to enable all students at all grade levels to acquire the essential knowledge, understanding, and skills needed to be informed, active citizens in the 21st century. The five organizational strands of the social studies program are as follows: history, geography, civics and government, economics and financial literacy, and culture, each addressed with increasing rigor and relevance at each grade level. Underlying these strands is the belief that all students should understand social studies and develop civic efficacy. Students should also acquire and perfect knowledge, understanding, and skills of individual and group inquiry and examine a broad range of peoples and cultures. From social studies, students gain the attitudes and values that enable them to be effective problem-solvers, good decision-makers, and wise planners. As a result of an effective social studies education, they are prepared to deal with present, recurring, and unforeseen problems at the local, state, national, and global levels.

The Social Studies Essential Standards emphasizes the following strands as a framework for social studies at every level:

- Individual identity and development
- Cultures and diversity
- Government and active citizenship
- Historic perspectives
- Geographic relationships
- Economics and development
- Global connections
- Technological influences and society

All students will need four social studies credits for graduation. Students who entered high school in the 2014-15 school year and later are required to earn a credit in World History, American History, American History: Founding Principles Civics and Economics or Founding Principles of the United States of America and North Carolina: Civic Literacy and 1 other Social Studies credit. Students entering high school in the 2020-21 school year are required to earn a credit in World History, American History, Founding Principals of the United States of America and North Carolina: Civic Literacy and Economics and Personal Finance. AP United States History may be substituted for American History and AP World History may be substituted for World History.

AMERICAN INDIAN STUDIES-HONORS

Course Code: 46025X0C

Fee (if applicable): n/a

Offered at: SBHS

Grade(s): 10,11,12

Prerequisite: World History, American History

American Indian Studies introduces students to the exploration of the rich and diverse history and culture of American Indian societies. Students will learn about the histories, cultures, legacies and achievements of American Indians from prehistoric to present-day. The course will emphasize interactions between and within American Indian groups as well as with the government of the United States. Issues of policy, law, economic and cultural change as well as shared beliefs concerning human-environment interaction will be taught. Students will immerse themselves in some of America's oldest continuous societies and cultures. The many American Indian groups of North Carolina will be a focus of instructional content: however, the course will expose students to all American Indian societies and tribes.

AMERICAN HISTORY

Course Code: 43112X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 10,11,12

Prerequisite: None

AMERICAN HISTORY-HONORS

Course Code: 43115X0C

American History is a survey course providing a foundation to understand our nation's past and present. The American History course begins with the end of the French and Indian War in 1763 and continues through the most recent presidential election. This course will explore the overarching themes, trends, and concepts of our nation's history, including the development and evolution of the American system of government, the patterns and impact of migration and immigration, cultural development through the arts and technological innovations, relationships with foreign nations, and the role of both the individual and diverse groups in building the American story. Rooted in Inquiry-based skills, students will trace American development, while learning to craft compelling questions, synthesize and evaluate evidence, develop claims, communicate ideas, and take informed action. As well-rounded, productive citizens, the students will leave the American History course with both the knowledge and the skills to engage with the modern world by recognizing contemporary patterns and connections.

EUROPEAN HISTORY-ADVANCED PLACEMENT

Course Code: 4A017X0CAP **Fee (if applicable):** n/a
Offered at: SBHS, NHS **Grade(s):** 10,11,12
Prerequisite: World History

In AP European History, students will analyze primary and secondary sources, develop historical arguments, make historical comparisons, and utilize reasoning about change over time to investigate four historical periods from approximately 1450 to the present: Renaissance and Reformation; Colonization and the Napoleonic Wars; European Imperialism and Nationalism; Global Wars, decolonization, and the European Union. The course will explore themes such as the interaction of Europe and the World and poverty and prosperity that encourage students to make connections among historical developments in different times and places.

ECONOMICS & PERSONAL FINANCE

Course Code: 43192X0C **Fee (if applicable):** n/a
Offered at: All High Schools **Grade(s):** 11,12
Prerequisite: None

ECONOMICS & PERSONAL FINANCE-HONORS

Course Code: 43195X0C

The Economic and Personal Finance course shall provide instruction on economic principles and shall provide personal financial literacy instruction that shall include the following: the true cost of credit, choosing and managing a credit card, borrowing money for an automobile or other large purchase, home mortgages, credit scoring and credit reports, planning and paying for postsecondary education and other relevant financial literacy issues. The EPF course supports the development of students who understand economic decisions, use money wisely, understand education and career choices, and understand how to be financially responsible citizens. Students will be provided with the agency, tools, and knowledge necessary to live in and contribute to a financially sound society.

FOUNDING PRINCIPLES OF THE U.S. OF AMERICA AND NC: CIVIC LITERACY

Course Code: 43182X0 **Fee (if applicable):** n/a
Offered at: All High Schools **Grade(s):** 10, 11,12

Prerequisite: None

FOUNDING PRINCIPLES OF THE U.S. OF AMERICA AND NC: CIVIC LITERACY- HONORS

COURSE CODE: 43185X0

Civic Literacy is the study and understanding of citizenship and government. Through the Inquiry-based C3 Framework, this one-semester course provides students with a sound understanding of civic life, politics, and government, including a short history of government’s foundation and development in the United States of America. Students learn how power and responsibility are shared and limited by the government, the impact American politics has on world affairs, law in the American constitutional system, and the rights that the American government guarantees its citizens. Students also examine how the world is organized politically and how to be an active participant in the American and global political systems. Students will study the foundations of American democracy and the origins of American government. The roles of political parties, campaigns & elections, public opinion, and the media will be analyzed to determine their effects on the individual and all who call the United States home.

HUMAN GEOGRAPHY-ADVANCED PLACEMENT

Course Code: 4A027X0CAP **Fee (if applicable):** n/a
Offered at: RHS, (WOHS **Grade(s):** 10,11,12
9thgrade)

Prerequisite: None

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline’s main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction.

MICROECONOMICS -ADVANCED PLACEMENT**Course Code:** 4A047XOCAP **Fee (if applicable):** n/a
4A077XODAP YEAR-LONG **Grade(s):** 10,11,12**Offered at:** NHS
Prerequisite: Math II

The intent of the course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of the product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy.

PSYCHOLOGY-ADVANCED PLACEMENT**Course Code:** 4A057XOCAP **Fee (if applicable):** n/a
Offered at: NHS,RHS,SBHS, **Grade(s):** 10,11,12
SWHS,WOHS**Prerequisite:** None

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Topics include History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Behavior, Treatment of Abnormal Behavior, and Social Psychology. Students taking this course are encouraged to take the Advanced Placement exam.

PSYCHOLOGY-HONORS**Course Code:** 44035XOC **Fee (if applicable):** n/a
Offered at: NHS, SWHS, WOHS **Grade(s):** 11,12

The elective course, Psychology, engages students in the understanding, articulation, and dissemination of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. The course emphasizes the empirical examination of behavior and mental processes and 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.

SOCIOLOGY**Course Code:** 44002XOC **Fee (if applicable):** n/a
Offered at: NHS, WOHS **Grade(s):** 10,11,12**Prerequisite:** None

Sociology-Honors Course Code: 44005XOC

This course is designed to give students the tools necessary to concentrate on the systematic study of human society and human interaction. Students will develop a sociological imagination in which they will observe the connections between their personal lives within society, as well as public policy issues. Using observation, the scientific method, and cross-cultural examination, students will discover how patterns of behavior develop, culture is learned, and social predictions are made.

TURNING POINTS IN AMERICAN HISTORY-HONORS**Course Code:** 43095XOC **Fee (if applicable):** n/a
Offered at: SWHS **Grade(s):** 10,11,12**Prerequisite:** None

This course emphasizes in great depth 10-15 key turning points in American History. These are "hinge" events in our nation's history, caused by, and subsequently contributing to, major social, cultural, political, and/or economic events. The continuum of the turning point timeline should have "ripple effects" between each point. These turning points when considered chronologically should ultimately provide a narrative of United States history. A major element of each turning point should be an understanding of historical methods and the use of historical inquiry. Students should essentially become historians to better understand and appreciate the narrative of a people, a nation, and a world. (Possible Turning Points: 9/11, Roanoke Island/Jamestown Settlement, Salem Witch Trials, Proclamation of 1763, Election of 1800, Invention of the Cotton Gin, The Liberator/Nat Turner's Rebellion, The Mexican War, The Compromise of 1877, Chicago's World Fair, McKinley's Assassination, The 19th Amendment, The Scopes-Monkey Trial, The New Deal Coalition, The Little Rock 9, 1968, The Fall of the Berlin Wall).

**UNITED STATES GOVERNMENT AND POLITICS-
ADVANCED PLACEMENT**

Course Code: 4A067X0CAP **Fee (if applicable):** n/a
Offered at: DHS, NHS, RHS, **Grade(s):** 10,11,12
SBHS, SWHS, WOHS, JHS

Prerequisite: Civics & Economics or Civic Literacy Advanced Placement U.S. Government and Politics will provide students an intellectual foundation for observing, analyzing, and understanding national politics in the United States. Using primary and secondary source documents, as well as analysis of specific examples, students will examine and evaluate the institutions of American government, political parties and elections, mass media, political behavior, public policies, and the development of individual rights and liberties and their impact on citizens. The content of this course is the equivalent to that of an introductory college course in U.S. government and politics. Students taking this course are encouraged to take the Advanced Placement exam.

UNITED STATES HISTORY-ADVANCED PLACEMENT

Course Code: 4A077X0CAP **Fee (if applicable):** n/a
Offered at: DHS, OECHS, OVSS, **Grade(s):** 10,11,12
NHS, RHS, SBHS, SWHS, WOHS

Prerequisite: Turning Points in American History-Honors-SWHS
Recommendation: American History

AP US History is a semester-long course. AP US History is a survey course covering American History from the Pre-Columbian period to the present. The class is taught in accordance with the College Board AP US curriculum framework and is designed to prepare students for the AP US History Exam in May. The AP US History course focuses on the development of historical thinking skills (chronological reasoning, comparing, and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and American in the world. The purpose of the course is to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. The AP United States History course will develop the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

WORLD HISTORY: Global issues and Patterns since 1200

Course Code: 43032X0C **Fee (if applicable):** n/a
Offered at: All High Schools **Grade(s):** 9,10,11,12

Prerequisite: None

WORLD HISTORY-HONORS

Course Code: 43035X0C
World History is designed to be a study of nations, economies, events, and cultures of the many regions of the world, providing historical background for each area and details on language, religion, diplomacy, and economic, political, and social institutions. The course also explores underlying themes of: power and authority; change and continuity; human-environment interaction; globalization and cultural diffusion; and individual and group identity. This course seeks to move beyond the rote teaching of World History to the teaching of history in context to the world and global society in which students currently live and need to understand. With this in mind, it is important to note that this course is not designed to be a chronological study of history through periodization.

WORLD HISTORY: MODERN- ADVANCED PLACEMENT

Course Code: **Fee: (if applicable):** n/a
Offered at: All High Schools **Grade(s):** 9,10,11,12

Prerequisite: None

Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

ARTS

Arts education benefits both students and society; students of the arts gain powerful tools for:

- understanding human experiences, both past and present
- teamwork and collaboration
- making decisions creatively and solving problems when no prescribed answers exist
- adapting to and respecting others' diverse ways of thinking, working, and expressing themselves
- understanding the influence of the arts and their power to create and reflect cultures
- analyzing nonverbal communication, and making informed judgments about products and issues; and,
- Communicating effectively.

The arts are core subjects in the Federal *Elementary and Secondary Education Act*, and the *NC Basic Education Program*, and, as such, are included as core subjects every student should learn as part of a balanced curriculum for all children in North Carolina. While not all students will become professional dancers, musicians, actors, or visual artists, all students will benefit from skills and processes that are developed through the arts and that can be applied in a variety of disciplines and settings.

North Carolina has implemented state standards for Honors credit in the **four different** Arts Education areas. These areas are **dance, theatre arts, music** (band, chorus and orchestra) and **visual arts**. All courses at the Proficient and Advanced levels are inherently honors. All courses (including honors) may be taken more than once for credit. Students must demonstrate proficiency at the current level before advancing to the next level. Students who demonstrate proficiency may skip levels based on assessments for the content area.

Art History-Advanced Placement

Course Code: 5A007x0 **Fee (if applicable):**

Offered at: NHS **Grades(s):** 9,10,11,12

Prerequisite: None

The AP Art History course welcomes students into the global art world as active participants, engaging with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. The study of art history invites students to discover the diversity in and connections among forms of artistic expression throughout history and from around the globe.

BAND-INTERMEDIATE

Course Code: 52562X0C **Fee (if applicable):** \$10

Offered at: All High Schools **Grade(s):** 9,10,11,12

Prerequisite: Eight Grade Band

This course develops the performance skills of students and the performing ensemble to higher performance levels to play with increased technical accuracy and expression. Students refine their sight-reading and ear-training skills, use singing as appropriate, and gain an understanding of music theory and notation. Band-Intermediate is a performance-oriented class with emphasis on music at Levels II-IV that includes moderate technical demands, expanded ranges, and varied interpretive requirements. Students perform music of varied styles, cultures, and historical periods and continue to develop skills in listening to, analyzing, and evaluating musical experiences. Enrollment and instrumentation are at the discretion of the band director. All scheduled activities are required and may include evening and weekend concerts, assemblies, parades, festival/concert contests, school sponsored events, and community activities.

BAND PROFICIENT

Course Code: 52575X0C **Fee (if applicable):** \$10

Offered at: All High Schools

Prerequisite: Band-Intermediate

This course focuses on providing advanced, more individualized work in research, analysis, reflection, applications and performance. Band-Proficient addresses the competency goals and objectives of the North Carolina Standard Course of Study for Instrumental Music III and provides additional extensions of these goals and objectives as foundation for advanced proficiencies in 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 which contains a combination of written, audio, or visual examples of their work. Participation in Band-Intermediate prepares students for further instrumental studies in music.

BAND-ADVANCED

Course Code: 52585X0C **Fee (if applicable):** \$10
Offered at: All High Schools **Grade(s):** 9,10,11,12
Prerequisite: Band-Proficient

This course focuses on providing more advanced, individualized work in research, analysis, reflection, applications, and performance. Band-Advanced is higher-level continuation of Band-Intermediate and addresses the competency goals and objectives of the North Carolina Standard Course of Study for Instrumental Music IV and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. All scheduled activities are required and may include evening and weekend concerts, assemblies, parades, festival/concert contests, school sponsored events, and community activities. Additionally, students must create and/or maintain a portfolio, which contains a combination of written, audio, or visual examples of their work.

ORCHESTRA-BEGINNING

Course Code: 52402X0C **Fee (if applicable):** \$10
Offered at: DHS, NSH, RHS, **Grade(s):** 9,10,11,12
SBHS, SWHS, WOHS
Prerequisite: None

This course is an entry level-performing ensemble for the high school orchestra program. It offers a continuation of instrumental skills, individual musical development, musicianship, and performance techniques learned in the middle school orchestra program. Instruction on individual and group technique is offered for the violin, viola, cello, and string bass. Orchestra-Beginning is a performance-oriented class that plays instrumental literature at levels I-IV, that include changes in tempi, keys, and meters and represent diverse genres, styles, cultures, and historical periods. Students develop skills in improvising, composing, and arranging music as well as listening to, analyzing, and evaluating musical experiences. Enrollment and instrumentation are at the discretion of the orchestra director. All scheduled activities are required, including concerts, assemblies, festivals/contests, school-sponsored events, and community activities during the school day, evening or weekend. Students must have an instrument for Orchestra.

ORCHESTRA-INTERMEDIATE

Course Code: 52412X0C **Fee (if applicable):** \$10
Offered at: DHS, JHS, NHS, RHS, **Grade(s):** 9,10,11,12
SBHS, SWHS, WOHS
Prerequisite: Orchestra-Beginning or 8th grade orchestra

This course offers refinement of orchestral and musical skills for high school strings students who have developed and demonstrated appropriate instrumental practices and play with increased technical accuracy and expression. Instruction on individual and group technique is offered for the violin, viola, cello, and string bass. This is a performance-oriented

class with emphasis on music at levels II-IV, which includes moderate technical demands and expanded ranges. Students study and perform music of varied styles, cultures, and historical periods. Students develop skills in improvising, composing, and arranging music as well as listening to, analyzing, and evaluating musical experiences. Attendance at scheduled daytime, evening, and weekend rehearsals concerts and events is required. Students must have an instrument for Orchestra.

ORCHESTRA-PROFICIENT

Course Code: 52425X0C **Fee (if applicable):** \$10
Offered at: DHS, JHS, NHS, RHS, **Grade(s):** 9,10,11,12
SBHS, SWHS, WOHS
Prerequisite: Orchestra-Intermediate

Orchestra-Proficient addresses the competency goals and objectives of the North Carolina Standard Course of Study for Instrumental Music III and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating 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. Participation in Orchestra-Proficient prepares students for further instrumental studies in music. Activities may include daytime, evening, and weekend participation. All scheduled activities are required.

ORCHESTRA-ADVANCED

Course Code: 52435X0C **Fee (if applicable):** \$10
Offered at: DHS, JHS, NHS, RHS, **Grade(s):** 9,10,11,12
SBHS, SWHS, WOHS
Prerequisite: Orchestra-Proficient

Orchestra-Advanced is an advanced continuation of Orchestra Proficient. Orchestra-Advanced addresses the competency goals and objectives of the North Carolina Standard Course of Study for Instrumental Music IV and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating 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. Participation in Orchestra-Advanced prepares students for further instrumental studies in music. Activities may include daytime, evening, and weekend participation. All scheduled activities are required. Students must have an

VOCAL MUSIC-BEGINNING

Course Code: 52302X0C **Fee (if applicable):** \$5
Offered at: All High Schools **Grade(s):** 9,10,11,12
Prerequisite: None

VOCAL MUSIC-INTERMEDIATE

Course Code: 52312X0C

Fee (if applicable): \$5

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: Vocal Music-Beginning

Vocal Music-Intermediate is a mixed performing ensemble in which class size and enrollment are determined by vocal balance and other musical factors as determined by the Choral Director. Vocal Music-Intermediate is a continuation of the skills learned in Vocal Music-Beginning and features music at Level III-IV, which includes moderate technical demands, expanded ranges, and varied interpretive requirements. Students should be able to sight-read and have a general understanding of music theory and notation. Music of various styles, cultures, and historical periods are included in the repertoire of choral literature studied and performed. Performance is important. All scheduled performances are required and may include evening and weekend participation. All concert rules apply.

VOCAL MUSIC-PROFICIENT

Course Code: 52325X0C

Fee (if applicable): \$5

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: Vocal Music-Intermediate

The focus of this course is to provide more individualized work in research, analysis, reflection, application, and performance. Vocal Music-Proficient addresses the competency goals and objectives of the North Carolina Standard Course of Study for Vocal Music Proficient and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating 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. Participation in Vocal Music-Proficient prepares students for further vocal studies in music. Performance is an important and required component of this course and may require evening and weekend participation. All concert rules apply.

VOCAL MUSIC-ADVANCED

Course Code: 52335X0C

Fee (if applicable): \$5

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: Vocal Music-Proficient

Vocal Music-Advanced is an advanced continuation of Vocal Music Proficient. Vocal Music-Advanced addresses the competency goals and objectives of the North Carolina Standard Course of Study for Vocal Music Advanced and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating 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. Participation in Vocal Music-Advanced prepares

students for further vocal studies in music. Performance is an important and required component of this course and may require evening and weekend participation. All concert rules apply.

VOCAL MUSIC- MIXED ENSEMBLE BEGINNING AND INTERMEDIATE

Course Code: 52302X0CME

Fee (if applicable): \$5

Offered at: WOHS

Grade(s): 9,10,11,12

Prerequisite: None

This is an entry level course that builds on the music education students received in Grade K-8. It is open to beginning and advanced vocal music levels. Vocal Music-Mixed Ensemble provides students with opportunities to sing vocal literature, which may include changes in tempi, keys, and meters and represent diverse genres, styles, historical periods, and cultures. The fundamentals of music sight-singing, vocal techniques, ensemble and performance techniques are included. Improvising, composing, and arranging music and listening to, analyzing, and evaluating musical experiences are also features of the content of this course. Activities are required and may include evening and weekend performances. All concert rules apply.

VOCAL MUSIC- BELLE VOCI ENSEMBLE PROFICIENT AND ADVANCED

Course Code: 52325X0CWE

Fee (if applicable): \$5

Offered at: WOHS

Grade(s): 10,11,12

Prerequisite: None

Vocal Music-Belle Voci is an honor level yearlong female ensemble course with a focus on performing and composing contemporary Capella music. This course addresses the competency goals and objectives of the North Carolina Essential Standards for Vocal Music Advanced and provides additional extensions of these goals and objectives as a foundation for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research. Participation in Vocal Music-Belle Voci prepares students for further vocal studies in music. Performance is an important and required component of this course and may require evening and weekend participation. All concert rules apply.

GUITAR-BEGINNING

Course Code: 52162X0CG

Fee (if applicable): \$10

Offered at: DHS, RHS, SBHS, SWHS, WOHS

Grade(s): 9,10,11,12

Prerequisite: None

This course offers an introduction to instrumental playing and performance through the guitar. Students will acquire instrumental skills, reading music, and individual musical development, musicianship, and performance techniques. Beginning Guitar is a performance-oriented class with emphasis on music at level 1. This is primarily a classical guitar course. Some emphasis may include, other forms of guitar playing such as rock or jazz. Students will develop skills using chords, fingerpicking, and strumming techniques. Music of varied styles cultures and historical periods will be studied and played. Students will develop skills in listening to, analyzing, and evaluating musical experiences.

GUITAR-INTERMEDIATE**Course Code:** 52172X0CG**Fee (if applicable):** \$10**Offered at:** RHS, SBHS**Grade(s):** 9,10,11,12**Prerequisite:** None

Students in this course will increase their technical skills and artistic awareness through continued study of increasingly challenging music. They will further develop instrumental skills, reading music, and individual musical development, musicianship, and performance techniques. Intermediate Guitar is a performance-oriented class. Students will continue development of skills using chords, fingerpicking, and strumming techniques. Music of varied styles cultures and historical periods will be studied and played. Students will develop skills in listening to, analyzing, and evaluating musical experiences.

JAZZ ENSEMBLE-PROFICIENT**Course Code:** 52162X0CJ**Fee (if applicable):** \$10**Offered at:** JHS, NHS, SWHS, WOHS**Grade(s):** 9,10,11,12**Prerequisite:** None

The Jazz Ensemble dedicates itself to the study of jazz. The Jazz Ensemble studies many different styles and performs regularly throughout the community. Students will be exposed to theory, improvisation, and an introduction to the major contributors of this fine American art form. This class meets before or after school at some schools and during the school day at others. Please check with the band director at your school for scheduling specifics.

MARCHING BAND**Course Code:** 52552X0CMB**Fee (if applicable):** \$10**Offered at:** DHS, JHS, NHS, RHS, SBHS, WOHS**Grade(s):** 9,10,11,12**Prerequisite:** None

Marching Band is a highly motivated performance group. The Band's main goal is to develop, learn and provide a visual and musical experience for all its members and its audience. The Marching Band has many performance obligations. Through these performances the students will grow as musicians and performers. The students will learn music fundamentals according to the Beginning Music Specialization Essential Standards. Halfway through the semester, the students will transition to indoor ensembles. Please check with the band director at your school for scheduling and course specifics.

MARCHING BAND INTERMEDIATE**Course Code:** 52562X0CMB**Fee (if applicable):** \$10**Offered at:** NHS**Grade(s):** 10,11,12**Prerequisite:** Teacher Approval

Marching Band is a highly motivated performance group. The Band's main goal is to develop, learn and provide a visual and musical experience for all its members and its audience. The Marching Band has many performance obligations. Through these performances the students will grow as musicians and performers. The students will learn music fundamentals according to the Beginning Music Specialization Essential Standards. Halfway through the semester the students will transition to indoor ensembles. Please check with the band director at your school for scheduling and course specifics. Students will participate in additional performances and competitions beyond those required in Marching Band Beginning.

MUSIC APPRECIATION**Course Code:** 52162X0CMA**Fee (if applicable):** n/a**Offered at:** JHS, NHS, OVSS, RHS**Grade(s):** 9,10,11,12**Prerequisite:** None

Through the study of a variety of music literature, students develop an understanding and appreciation of music as a fine arts form. Historical and contemporary contributions of various cultures and geographic influences are important elements of this course. Students will listen to, analyze, and evaluate music and develop an understanding of music in relation to history, culture, and other content areas. This course is designed for students that have not taken a performance ensemble class before, but it will enrich and increase understanding if those students chose to take the class.

MUSIC THEORY-ADVANCED PLACEMENT**Course Code:** 5A017X0CAP**Fee (if applicable):** \$10**Offered at:** DHS, NHS, SBHS**Grade(s):** 11,12**Prerequisite:** 2 prior music classes

AP Music Theory is designed for the serious music student. The course reflects the content and level of skills of a first-year college music course. The goal of this 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 musical score. Students develop aural, sight-singing, written, compositional, and analytical skills through listening, performance, written, creative and analytical activities and assignments. Additional emphasis is placed on music styles and cultural and historical influences. Students taking this course are encouraged to take the AP exam.

MUSIC THEORY-PROFICIENT (HONORS)

Course Code: 52185X0CMT **Fee (if applicable):** \$10

Offered at: SBH **Grade(s):** 11,12

Prerequisite: One semester of vocal or instrumental music

This course is designed to prepare students for the rigors of a first-year college theory class. The class aims to introduce students to musicianship, theory, musical materials, and procedures. Integrated within the course content are aspects of melody, harmony, texture, rhythm, form, musical analysis, basic composition, and, to some extent, history and style. Students will learn musicianship skills such as dictation, sight-singing, and keyboard harmony. The student's ability to read and write music notation is fundamental to this course. Acquisition of at least basic performance skills in voice or on an instrument is strongly recommended.

PERCUSSION ENSEMBLE-INTERMEDIATE

Course Code: 52552X0CP **Fee (if applicable):** \$10

Offered at: SBHS, SWHS **Grade(s):** 9,10,11,12

Prerequisite: None

This course is designed for students who are participating in marching and front ensemble percussion during the fall semester. Students will also perform together as an ensemble using literature for percussion ensembles and wind bands after the marching season. In order to be in this class, the student must be a part of the marching percussion or front ensemble percussion of the marching band.

PIANO-BEGINNING

Course Code: 52162X0CP **Fee (if applicable):** \$10

Offered at: DHS, RHS, NHS, **Grade(s):** 9,10,11,12

SBHS, SWHS, WOHS

Prerequisite: None

Beginning piano will provide a positive music learning experience for each student through the development of piano skills. The performance-based course will provide instruction so that varying degrees of ability can be effectively addressed. Students will receive an introduction to basic piano skills as a basis for further study should they desire to continue.

DANCE-BEGINNING

Course Code: 51152X0C **Fee (if applicable):** n/a

Offered at: NHS, RHS **Grade(s):** 9,10,11,12

Prerequisite: None

Dance-Beginning explores movement as a creative and technical art form. Student learning includes opportunities to develop kinesthetic awareness, proper body alignment, physical strength, flexibility, endurance, and care of the dance instrument while exploring improvisational and expressive movement and basic ballet, jazz, and modern dance technique. Dance elements and basic principles of composition are studied and practiced. Through dance ensemble work, students use creative and critical thinking skills to create and communicate meaning through dance movement. Students experience the role of both choreographer and dancer and have opportunities to present their work. Through the study of dance in various cultures and

historical periods, students broaden their understanding of dance as an art form. Students will explore a variety of career opportunities in dance as well as connections with other art forms and subject areas. No auditions required.

DANCE-INTERMEDIATE

Course Code: 51162X0C **Fee (if applicable):** n/a

Offered at: NHS, RHS **Grade(s):** 9,10,11,12

Prerequisite: Dance Beginning

Dance-Intermediate emphasizes students' acquisition of intermediate movement skills and refined motor control through the study of various ballet, jazz, and modern dance techniques. Students learn to take responsibility for their personal health and to care for their dance instrument. Through dance ensemble work, students continue to explore improvisation, dance elements, and composition as both dancer and choreographer. Students present the skills they have learned to selected audiences and learn basic technical/theatrical skills for dance production. Students extend their understanding of dance as an art form through a consideration of aesthetic and philosophical perspectives. Further awareness is enhanced through the study of dance history from ancient to medieval periods, the exploration of dance through a variety of cultural contexts, and dance as a career choice.

DANCE-PROFICIENT

Course Code: 51175X0C **Fee (if applicable):** n/a

Offered at: NHS, RHS **Grade(s):** 9,10,11,12

Prerequisite: Dance Intermediate

Dance-Proficient emphasizes the study of dance as a creative and expressive art form. Students demonstrate a commitment to personal fitness and to attaining an intermediate level of technical skill and performing with greater fluency, precision, and articulation. Students combine the use of improvisation, dance elements, choreographic principles, and technical/theatrical elements to explore the creation of meaningful dance compositions. Students are encouraged to communicate personal feelings, thoughts, ideas, and concepts through the skillful use of dance movement and to present their choreography to selected audiences. Through the use of aesthetic criteria, students analyze and evaluate in a constructive manner the impact of their own choreography and the work of others. Students explore integration through the creation of interdisciplinary projects and continue their study of dance through cultural and historical viewpoints. Students will maintain a dance portfolio of written and/or visual samples of student work. This portfolio will contain the student's choreographic works composed by them, written critiques of two dance performances that the student will attend on their own time, and ten self-evaluations that pertain to how the student sees themselves growing as a dancer and choreographer.

and historical viewpoints. Students will maintain a dance portfolio of written and/or visual samples of student work. This portfolio will contain the student's choreographic works composed by them, written critiques of two dance performances that the student will attend on their own time, and ten self-evaluations that pertain to how the student sees themselves growing as a dancer and choreographer.

DANCE-ADVANCED

Course Code: 51185X0C **Fee (if applicable):** n/a
Offered at: NHS, RHS **Grade(s):** 9,10,11,12

Prerequisite: Dance Proficient

Dance-Advanced provides students with the opportunity to develop an advanced level of dance technique and refine their skills as both choreographer and performer. Students apply their creative and technical knowledge and skills through a variety of production and performance opportunities. Using expanded aesthetic criteria students will analyze and evaluate their own choreography as well as works of others. Students strive to clearly express ideas as they examine the creative process of integrating movement with choreographic intent. Studies include the purposes of dance, dance genres and styles, artistic conflicts and resolutions, innovations, social issues, technological applications, and significant contributors. 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 will expand their choreographic and teaching skills by leading warm-ups, center floor work, across the floor combinations, and center floor combinations. Students will also be expected to choreograph a dance composition that will be performed by the other students in the class.

THEATRE ARTS-BEGINNING

Course Code: 53152X0C **Fee (if applicable):** n/a
Offered at: JHS, RHS, SBHS **Grade(s):** 9,10,11,12

Prerequisite: None

Theatre Arts-Beginning promotes learning the essential vocabulary and processes of theatre as well as reading, writing, and researching theatre literature, acting and technical theatre. Acting experience in this course includes exploring the concepts of self, body and voice work, improvisation, acting techniques, and reading and writing related to theatre study. In addition, students learn about and reflect on aspects of theatre through history and in different cultures, as well as the various forms of theatre and theatre-related media. Students have opportunities for practical application of knowledge in informal productions. This course develops creativity and spontaneity in those students wanting to explore theatre, as well as those who wish to commit to a theatre program. Students create a portfolio or collection of their work and related activities that can grow as a result of subsequent theatre arts courses.

THEATRE ARTS-INTERMEDIATE

Course Code: 53162X0C **Fee (if applicable):** n/a
Offered at: SBHS, W **Grade(s):** 9,10,11,12

Prerequisite: None

Theatre Arts-Intermediate is 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 work, improvisation, acting techniques, and reading and writing. In addition, students analyze, and critique work developed by themselves or other students, as well as that generated throughout history and in various cultures. This course develops students' knowledge base, expands their understanding of theatre, and begins the application of learning in forms of theatre and theatre-related media through informal and formal productions. Students continue to add to their portfolio or collection of their work and related activities to illustrate their growing comprehension of theatre arts.

THEATRE ARTS-PROFICIENT

Course Code: 53175X0C **Fee (if applicable):** n/a
Offered at: SBHS **Grade(s):** 9,10,11,12

Prerequisite: None

Theatre Arts-Proficient is for students who wish to continue to study and develop their knowledge of theatre arts on a more challenging level. This course involves the applied study of theatre vocabulary, reading and writing of theatre literature, acting, and technical theatre. Acting experience in Theatre Arts-Proficient continues and refines the exploration of the concepts of self, body and voice work, improvisation, acting techniques, and reading and writing. In addition, students begin to practice individual analysis and critiquing of student work to develop a personal understanding of theatre arts by utilizing the knowledge base gained in previous study. Theatre study at this level places a greater emphasis on the execution of skills, ensemble work, and collaboration with other student artists. Students use a wider variety of theatre literature and styles from theatre and various cultures in forms of theatre and theatre related media through informal and formal productions. Students continue to add to their portfolio or collection of work and related activities to illustrate their growing understanding of accomplishments in theatre arts.

THEATRE ARTS-ADVANCED

Course Code: 53185X0C

Fee (if applicable): n/a

Offered at: SBHS

Grade(s): 9,10,11,12

Prerequisite: None

Theatre Arts-Advanced is for students who wish to complete the broad-based study of theatre arts. Through more independent study and increased production responsibilities, study in Theatre Arts-Advanced involves the application of expertise prepared for and acquired in previous theatre arts studies. Analysis of theatre processes, self-motivation, personal discipline, and more demanding projects in directing, design, and writing are emphasized. The acting experience in Theatre Arts-Advanced concludes the exploration of the concepts of self, body and voice work, improvisation, acting techniques, and reading and writing. Independent work in this course develops commitment, helps students form aesthetic judgments and refine artistic choices. Students finish and evaluate their portfolio, or collection of their work and related activities, to illustrate their learning, experiences, accomplishments, and growth in theatre arts.

VISUAL ARTS-BEGINNING

Course Code: 54152X0C

Fee (if applicable): \$7

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: None

Performing and Visual Arts-Beginning is designed to reinforce and build on knowledge and skills developed at the elementary and middle school levels. It is the foundation level for art study throughout high school. The course is primarily devoted to deliberate and systematic presentations of various art processes, procedures, theories, and historical developments. Students will have experiences in producing two-dimensional and three-dimensional artworks. The course emphasizes the study of the elements of art and principles of design, color theory, vocabulary, art criticism, art history, and safety in the art room. The approach to art experiences during this time is experimental in terms of materials. Students are provided a strong foundation in design, drawing and vocabulary in a teacher-structured environment. Problem solving and decision making are emphasized throughout Performing and Visual Arts-Beginning.

VISUAL ARTS-INTERMEDIATE

Course Code: 54162X0C

Fee (if applicable): \$7

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: Visual Art Beginning

Performing and Visual Arts-Intermediate builds on the student's technical skills and foundation of knowledge developed in Performing and Visual Arts-Beginning. The study of the elements of art and principles of design, color theory, vocabulary, and art history continue in Performing and Visual Arts-Intermediate 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. The approach to art experiences is less experimental and based more on informed choices. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. A greater flexible and fluent use of the elements of art and principles of design, color, theory, and vocabulary is stressed in Performing and Visual Arts-Intermediate.

VISUAL ARTS-PROFICIENT

Course Code: 54175X0C

Fee (if applicable): \$7

Offered at: DHS, JHS, NHS,
OVSS, RHS, SWHS, SBHS

Grade(s): 9,10,11,12

Prerequisite: Visual Art Intermediate

Performing and Visual Arts-Proficient builds on skills from Performing and Visual Arts-Intermediate with a more in-depth approach to the study of art processes and techniques, aesthetic issues, art criticism and art history. Teachers help students form goals, become familiar with careers, and develop work habits of professionals. Knowledge of the arts in relation to culture, history, other disciplines, and careers will be promoted through visual, verbal, and written means. Art history, criticism, and aesthetics will be studied in conjunction with selected artworks and will lead to development of a personal philosophy of art. In Performing and Visual Arts-Proficient, students will assemble a portfolio based on technical quality, personal style, direction, and its intended purpose.

VISUAL ARTS-ADVANCED

Course Code: 54185X0C

Fee (if applicable): \$7

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: Visual Art Proficient

In Performing and Visual Arts-Advanced, students develop, clarify, and apply their philosophy of art and art making developed in Performing and Visual Arts-Proficient through in-depth, independent, and advanced explorations with media, techniques, processes, and aesthetics. Exceptional initiative, serious involvement, and commitment are expectations of the Performing and Visual Arts-Advanced student. A portfolio evidencing high quality, a broad base of knowledge, and in-depth understanding of personal art forms is developed and refined. Students take part in planning and installing an exhibition of their work.

ART OF FASHION-INTERMEDIATE

Course Code: 54622X0CFD **Fee (if applicable):** \$7
Offered at: **Grade(s):** 9,10,11,12

Prerequisite: Visual Arts-Beginning

In this course, you will learn methods of designing fashion, how to build a body of research on fashion, how to use inspirations in the design process, how fabric knowledge and color principles strengthen a designer's message, and how to evolve your own vision. History of fashion design is covered along with a recognition of the evolutions and revolutions in fashion. Intermediate art courses build on the technical skills and foundation of knowledge developed in Art I. The study of the elements of art and principles of design, color theory, vocabulary, and art history continue in intermediate courses in a less teacher-directed situation. Various art processes, procedures, and theories are presented in a problem-solving manner that allows for independent choices and personal solutions to problems. The approach is less experimental and based more on informed choices. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. Greater flexible and fluent use of the elements of art and principles of design, color, theory, and vocabulary is stressed.

CERAMICS-BEGINNING

Course Code: 54612X0CC **Fee (if applicable):** \$7
Offered at: DHS, JHS, SBHS, WOHS **Grade(s):** 9,10,11,12

Prerequisite: None

In this class, students will learn the properties of clay and how to utilize the material in a variety of materials. The student will be exposed to three-dimensional artwork creation by utilizing various media. Students will learn the proper use of ceramic's materials and experience the basic techniques of beginning building methods, clay characteristics, and glazing and firing procedures. Students will learn how to create a variety of functional objects which include coasters, pots, and figurines. Techniques learned include slab method, coiling, pinching, and carving. Student learning will also be constructed by research engagement using multi-media presentations, drawing, reading, journaling, and writing assignments designed to increase the student's levels of visual mastery. Vocabulary and history will be integrated to create a more holistic classroom experience.

CERAMICS-INTERMEDIATE

Course Code: 54622X0CC **Fee (if applicable):** \$7
Offered at: DHS, JHS, SBHS, WOHS **Grade(s):** 9,10,11,12

Prerequisite: None

Students will expand upon the basic skills developed in Ceramics I to create a variety of 3-D media that may include expansion upon previous projects to invoke a sense of proficiency with basic foundational techniques. Projects include but aren't limited to: serving trays, hidden compartments within sculptures, and figurines. Introduction and experimentation of the pottery wheel will also be addressed to create basic dinnerware such as mugs and pots. Also, the use of mentoring and collaboration with fellow students will be integrated into the program for a richer experience. Video discussions, introduction into

contemporary sculptural artists, and journal entries will also be an integral part of the classroom process.

CERAMICS-PROFICIENT

Course Code: 54635X0CC **Fee (if applicable):** \$7
Offered at: JHS, SBHS, WOHS **Grade(s):** 9,10,11,12

Prerequisite: None

This class is a continuation of clay construction techniques, including hard and soft slab construction, coil building, pinch and wheel thrown forms. It is designed to work through the processes as well as the conceptual approaches inherent in contemporary art.

CERAMICS-ADVANCED

Course Code: 54645X0CC **Fee (if applicable):** \$7
Offered at: JHS, SBHS **Grade(s):** 10,11,12

Prerequisite: Ceramics-Beginning and Intermediate

This is an advanced level visual arts course will expand clay construction techniques including hard and soft slab construction, coil building, pinch and wheel thrown forms.

DRAWING AND PAINTING-INTERMEDIATE

Course Code: 54162X0CDP **Fee (if applicable):** \$7

Course Code: 54185X0CDP (ADV) **Grade(s):** 9,10,11,12

Course Code: 54175X0CDP (PROF)

Offered at: DHS (Proficient), SBHS (Intermediate), WOHS (Intermediate, Proficient, Advanced)

Prerequisite: Visual Arts-Beginning

Students will experience activities using watercolor, acrylic, tempera, and oil paint, as well as graphite, charcoal, colored pencil, and ink techniques of drawing. Students will continue to refine skills in drawing and painting while exploring connections to history and culture. Intermediate art courses build on the technical skills and foundation of knowledge developed in Art I. The study of the elements of art and principles of design, color theory, vocabulary, and art history continue in intermediate courses in a less teacher-directed situation. Various art processes, procedures, and theories are presented in a problem-solving manner that allows for independent choices and personal solutions to problems. The approach is less experimental and based more on informed choices. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. A greater flexible and fluent use of the elements of art and principles of design, color, theory, and vocabulary is stressed. A proficient level of this course is also offered for further study.

FIBER ART-INTERMEDIATE

Course Code: 54622X0CFA **Fee (if applicable):** \$7
Offered at: WOHS **Grade(s):** 9,10,11,12

Prerequisite: Visual Arts-Beginning

This course, focused on fiber and textile art, will include instruction in weaving, felting, papermaking, batik, quilting, and yarn crafts. Information will be learned about the cultures which participate in certain fiber crafts and the history of these crafts. Intermediate art courses build on the technical skills and foundation of knowledge developed in Art I. The study of the elements of art and principles of design, color theory,

vocabulary, and art history continues in intermediate courses in a less teacher-directed situation. Various art processes, procedures, and theories are presented in a problem-solving manner that allows for independent choices and personal solutions to problems. The approach is less experimental and based more on informed choices. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. A greater flexible and fluent use of the elements of art and principles of design, color, theory, and vocabulary is stressed.

FINE CRAFTS-BEGINNING

Course Code: 54612X0CFC **Fee (if applicable):** \$7

Offered at: SBHS **Grade(s):** 9,10,11,12

Prerequisite: None

This is an entry level course for students that have an interest in crafts, jewelry, stained glass, polymer clay, bead weaving, book arts, textile (silk-screen) Design and ceramics. This course addresses the competency goals and objectives of the North Carolina Standard Essential Standards.

FINE CRAFTS-INTERMEDIATE

Course Code: 54622X0CFC **Fee (if applicable):** \$7

Offered at: SBHS **Grade(s):** 10,11,12

Prerequisite: Visual Arts-Beginning

The focus of this course will be crafts, jewelry, stained glass, polymer clay, bead weaving, book arts, textile (silk-screen) design and ceramics. Students should have a good foundation in the elements of art, and the principles of design and art history to enter this course. In addition to designing and creating art, important parts of the visual arts curriculum include research, reading and writing.

GLOBAL FOLK ART-INTERMEDIATE

Course Code: 54622X0CGF **Fee (if applicable):** \$7

Offered at: **Grade(s):** 9,10,11,12

Prerequisite: Visual Arts-Beginning

This course offers students the opportunity to explore world cultures through art. Systematic study of life events, rituals, and the art that surrounds them in different cultures provide the content for the course. This course will include craft-making from cultures from the Americas to Asia and Africa and beyond. A service-learning component involving fair – trade will be included. Intermediate art courses build on the technical skills and foundation of knowledge developed in Art I. The study of the elements of art and principles of design, color theory, vocabulary, and art history continue in intermediate courses in a less teacher-directed situation. The approach is less experimental and based more on informed choices. Student research of art and artists is a major source for gaining knowledge and understanding of past and present art forms. A greater flexible and fluent use of the elements of art and principles of design, color, theory, and vocabulary is stressed. A proficient level of this course is also offered for further study.

STUDIO ART: 2D DESIGN PORTFOLIO-ADVANCED PLACEMENT

Course Code: 5A027X0CAP

Fee (if applicable): \$7

Offered at: RHS, WOHS

Grade(s): 12

Prerequisite: None

The Advanced Placement (AP) Two-Dimensional Design Portfolio course enables highly motivated high school students to do college-level work. This portfolio is intended to address a very broad interpretation of 2-D issues. Students are asked to demonstrate proficiency in 2-D design using a variety of art forms. Students will fulfill the requirements for the submission of a portfolio to the AP College Board. The course will include, but not be limited to, graphic design, digital imaging, photography, collage, fabric design, illustration, painting, and printmaking. Each student is expected to submit a portfolio of work (either for the exam or for the instructor) for evaluation at the end of the school Year.

STUDIO ART: 3D DESIGN PORTFOLIO-ADVANCED PLACEMENT

Course Code: 5A037X0CAP

Fee (if applicable): \$7

Offered at: SBHS, WOHS

Grade(s): 11,12

Prerequisite: None

Work on the 3D design portfolio is intended to address sculptural issues. Design involves purposeful decision making about using the elements and principles of art in an integrative way. In the 3-D Design Portfolio, students are asked to demonstrate their understanding of design principles as they relate to the integration of depth and space, volume and surface. The principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, and occupied/unoccupied space) can be articulated through the visual elements (mass, volume, color/light, form, plane, line, texture). For this portfolio, students are asked to demonstrate mastery of 3-D design through any three-dimensional approach, including, but not limited to, figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage, and 3-D fabric/fiber arts. There is no preferred (or unacceptable) style or content.

STUDIO ART: DRAWING-ADVANCED PLACEMENT

Course Code: 5A047X0CAP

Fee (if applicable): \$7

Offered at: WOHS

Grade(s): 12

Prerequisite: None

The Advanced Placement (AP) Studio Art program makes it possible for highly motivated high school students to do college-level work. Students will complete teacher-directed assignments, while also developing an individualized “concentration” that is an in-depth, personal commitment to a particular artistic concern. This course is designed to address a very broad interpretation of drawing issues. Students will be fulfilling the requirements for the submission of a portfolio to the AP College Board. Writing about artwork is a major component of the course. Each student is expected to submit a portfolio of work (either for the exam or for the instructor) for evaluation at the end of the school year. This course involves significantly more time and commitment than most high school art courses and is intended for students seriously committed to the study of art.



Specific performing and visual arts courses, along with their associated proficiency levels, are listed below. Please contact the individual school for more detailed information about any of the offerings listed in this Course of Study.

Dixon High School		Beginning	Intermediate	Proficient	Advanced
Concert Band	Band		X	X	X
Marching Band	Band				
Marching Band – Percussion	Band				
Wind Ensemble	Band		X	X	X
Guitar	Music Specialization	X			
Piano	Music Specialization	X			
Visual Arts	Visual Arts	X	X	X	X
Drawing and Painting	Visual Arts Specialization			X	X
Ceramics	Visual Arts Specialization	X			
Chamber Chorus	Vocal Music			X	X
Concert Chorus	Vocal Music		X	X	X
Vocal Music	Vocal Music	X	X		
Orchestra	Orchestra	X	X	X	

Jacksonville High School		Beginning	Intermediate	Proficient	Advanced
Cardinal Jazz Band	Band		X	X	
Concert Band	Band		X		
Marching Band	Band				
Wind Ensemble	Band			X	X
Music Appreciation	Music Specialization	X			
Chamber Orchestra	Orchestra			X	X
Stringed Orchestra	Orchestra		X		
Visual Arts	Visual Arts	X	X	X	
Ceramics	Visual Arts Specialization	X	X	X	
Cardinal Singers	Vocal Music			X	X
Cardinal Voice	Vocal Music			X	X
Chamber Singers	Vocal Music			X	X
Mixed Chorale	Vocal Music	X	X		
Theatre Arts	Theatre	X			

Northside High School		Beginning	Intermediate	Proficient	Advanced
Marching Band	Band				
Concert Band	Band	X	X		
Wind Ensemble	Band			X	X
Percussion Ensemble	Band	X	X	X	X
Dance	Dance	X	X	X	X
Music Theory	Music Specialization		X		
Piano	Music Specialization	X			
Orchestra	Orchestra	X			X
AP Art History	Visual Arts				X
Concert Choir	Vocal Music	X	X	X	X
Show Choir	Vocal Music				X
Visual Arts	Visual Arts	X	X	X	X

Richlands High School		Beginning	Intermediate	Proficient	Advanced
Dance	Dance	X	X	X	X
Marching Band	Band	X			
Symphonic Band	Band				
Guitar	Music	X	X		
Music Theory	Music				
Piano	Music	X			
Orchestra	Orchestra	X	X	X	X
Visual Arts	Visual Arts	X	X	X	X
Vocal Music	Vocal Music	X	X	X	X
Girls Chorus	Vocal Music			X	X
Theatre	Fine Arts	X	X	X	X

Southwest High School		Beginning	Intermediate	Proficient	Advanced
Band	Band		X	X	X
Guitar	Music Specialization	X			
Music Appreciation	Music Specialization				
Orchestra	Orchestra	X	X	X	X
Visual Arts	Visual Arts	X	X	X	X
Vocal Music	Vocal Music	X	X	X	X

Swansboro High School		Beginning	Intermediate	Proficient	Advanced
Band	Band		X	X	X
Marching Band	Music Specialization	X			
Percussion Ensemble	Music Specialization	X			
Guitar	Music Specialization	X	X		
Piano	Music Specialization	X			
Music Theory	Music Specialization			X	
Theatre Arts	Theatre Arts	X	X	X	X
Visual Arts	Visual Arts	X	X	X	X
Ceramics	Visual Arts Specialization	X	X	X	X
Fine Crafts	Visual Arts Specialization	X	X		
Vocal Music	Vocal Music	X	X	X	X

White Oak High School		Beginning	Intermediate	Proficient	Advanced
Concert Band	Band		X		
Freshman Band	Band		X		
Symphonic Band	Band			X	
Wind Ensemble	Band				X
Beginning Guitar	Music Specialization	X			
Beginning Piano	Music Specialization	X			
Jazz Ensemble	Music Specialization	X			
Marching Band	Music Specialization	X			
Visual Arts	Visual Arts	X			
Drawing and Painting	Visual Arts Specialization		X	X	
Fiber Art	Visual Arts Specialization		X		
Ceramics	Visual Arts Specialization	X	X		
Chamber Choir	Vocal Music			X	X
Vocal Music-Mixed Ensemble	Vocal Music	X	X		
Vocal Music-Belle Vocal Ensemble	Vocal Music			X	X
AP Studio Art: 2D Design					
AP Studio Art: 3D Design					

HEALTH AND PHYSICAL EDUCATION

The Healthful Living Education program promotes behaviors that contribute to a healthy lifestyle and improved quality of life for all students. The Healthful Living Education portions of the Essential State Standards support and reinforce standards and objectives of its two major components – health education and physical education. Fit, healthy students who are present and alert in school have a head start on academic performance.

One credit in Health and Physical Education is required for graduation. Additionally, as part of the Future-Ready Core Course of Study, House Bill 837 G.S. 115c-81 requires that instruction in cardiopulmonary resuscitation (CPR) be included in the North Carolina Graduation Requirement of a Health and Physical Education credit for students entering ninth grade in 2011-2012 and later.

HEALTH & PHYSICAL EDUCATION

Course Code: 60492X0C **Fee (if applicable):** n/a

Offered at: All High Schools **Grade(s):** 9,10,11,12

Prerequisite: None

Health and Physical Education is a required course offered during the freshman year. The Health Curriculum consists of life skills that will help students in coping with daily situations. These skills include: wellness, mental health, nutrition, relationships, family life, CPR, stress management, as well as the negative effects of tobacco, alcohol, and drug use. Physical Education Units are planned to enhance each of the four components of health-related fitness: cardiovascular endurance, strength and muscular endurance, flexibility, and body composition. Units of individual and team sports will be included as well. Students will be given the opportunity to earn American Red Cross certifications in CPR/First Aid/AED. Furthermore, this class will prepare students for the successful completion of further certification in Certified Personal Trainer (CPT), and Certified Strength and Conditioning Specialist (CSCS) and will provide students with the knowledge for entrance into the college program of Athletic Trainer-Certified (ATC).

ADVANCED PHYSICAL EDUCATION I - 60292X0CA1

ADVANCED PHYSICAL EDUCATION II - 60292X0CA2

ADVANCED PHYSICAL EDUCATION III - 60292X0CA3

ADVANCED PHYSICAL EDUCATION IV - 60292X0CA4

Course Code: See Above **Fee (if applicable):** n/a

Offered at: DHS, NHS, SWHS, **Grade(s):** 9,10,11,12

SBHS, WOHS

Prerequisite: Health & Physical Education

This course is designed to allow the students an opportunity to gain a well-rounded physical education for life-long activities. The students are given an opportunity to participate in a variety of activities such as: basketball, softball, track, volleyball, soccer, flag football, weight training, physical conditioning, and tennis. Emphasis is placed on the development of cardiovascular fitness, flexibility and muscular strength/endurance.

WEIGHT TRAINING

Offered at: All High Schools

Not offered at OVSS

Fee (if applicable): n/a

Prerequisite: Successful Completion of Health and Physical Education

BOYS/SPRING-Grade: 9

Course Code: 60292X0W1S

BOYS/FALL-Grade: 10

Course Code: 60292X0W2F

BOYS/SPRING-Grade: 10

Course Code: 60292X0W2S

BOYS/FALL-Grade: 11

Course Code: 60292X0W3F

BOYS/SPRING-Grade: 11

Course Code: 60292X0W3S

BOYS/FALL-Grade: 12

Course Code: 60292X0W4F

BOYS/SPRING-Grade: 12

Course Code: 60292X0W4S

GIRLS/SPRING-Grade: 9

Course Code: 60292X0W5S

GIRLS/FALL-Grade: 10

Course Code: 60292X0W6F

GIRLS/SPRING-Grade: 10

Course Code: 60292X0W6S

GIRLS/FALL-Grade: 11

Course Code: 60292X0W7F

GIRLS/SPRING-Grade: 11

Course Code: 60292X0W7S

GIRLS/FALL-Grade: 12

Course Code: 60292X0W8F

GIRLS/SPRING-Grade: 12

Course Code: 60292X0W8S

PHYSICAL FITNESS I

Course Code: 60602X0C

Fee (if applicable): n/a

Offered at: SWHS

Grade(s): 10,11,12

Prerequisite: Health & Physical Education

This course emphasizes regular participation in a variety of enjoyable fitness activities that promote a healthy and wellness-oriented lifestyle. This is an individual health-related fitness course in which the students, through active participation, develop knowledge and skills to provide enjoyment in the areas of cardiovascular fitness, flexibility and muscular strength/endurance.

SPORTS MEDICINE I

Course Code: 60632X0C

Fee (if applicable): n/a

Offered at: SBHS, WOHS

Grade(s): 10,11,12

Prerequisite: None

This course is for those who have interest in human anatomy and physiology, biology, and medicine. Course emphasis will be on the role of an athletic trainer, the legal aspects of sports medicine, basic taping and bandaging, first aid and CPR, anatomy and physiology, EMT skills, sports equipment, and emergency procedures. The sports medicine students may also voluntarily work in a managerial status with the athletic teams. Students will be given the opportunity to earn American Red Cross certifications in CPR/First Aid/AED.

Furthermore, this class will prepare students for the successful completion of further certification in Certified Personal Trainer (CPT), and Certified Strength and Conditioning Specialist (CSCS) and will provide students with the knowledge for entrance into the college program of Athletic Trainer-Certified (ATC).

SPORTS MEDICINE II

Course Code: 60642X0C

Fee (if applicable): n/a

Offered at: SBHS, WOHS

Grade(s): 11,12

Prerequisite: Sports Medicine I

Recommendation: Biology

This course is a continuation course for those students with a demonstrated proficiency or interest in sports medicine. This course is by teacher selection only. Each student may voluntarily work with an athletic team, for which they will have the responsibility of carrying out the fundamentals of sports medicine. All student athletic trainers will work under the guidance of the Athletic Trainer and the coach. The course will emphasize injury prevention, evaluation of injuries, and rehabilitation of injuries. There will also be a thorough review and further teaching in anatomy and physiology. Students will be given the opportunity to earn American Red Cross certifications in CPR/First Aid/AED. Furthermore, this class will prepare students for the successful completion of further certification in Certified Personal Trainer (CPT), and Certified Strength and Conditioning Specialist (CSCS) and will provide students with the knowledge for entrance into the college program of Athletic Trainer-Certified (ATC).

SPORTS MEDICINE III-HONORS

Course Code: 60655X0C

Fee (if applicable): n/a

Offered at: WOHS

Grade(s): 11,12

Prerequisite: Sports Medicine II

This course is a continuation course for those students with a demonstrated proficiency or interest in sports medicine. This course is by teacher selection only. Each student may voluntarily work with an athletic team, for which they will have the responsibility of carrying out the fundamentals of sports medicine. All student athletic trainers will work under the guidance of the Athletic Trainer and the coach. The course will emphasize injury prevention, evaluation of injuries, and rehabilitation of injuries. There will be an expansion in fields of biomechanics, physiology, sports psychology, sports management, and nutrition. Advanced taping and bracing techniques will be taught. Students will be directly involved in the rehabilitation process. Select students will be provided internships at a Physical Therapy clinic. Students will be given the opportunity to earn American Red Cross certifications in CPR/First Aid/AED. Furthermore, this class will prepare students for the successful completion of further certification in Certified Personal Trainer (CPT), and Certified Strength and Conditioning Specialist (CSCS) and will provide students with the knowledge for entrance into the college program of Athletic Trainer-Certified (ATC).

TEAM SPORTS

Course Code: 60292X0CTS

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 10,11,12

Not offered at OVSS

Prerequisite: Health & Physical Education

This is a high-level fitness class offered to students who wish to participate in athletics. The focus of the class will be improving sport specific skills and sports related fitness components such as: muscular strength and endurance, balance, coordination, speed, agility, and cardiorespiratory endurance.

WORLD LANGUAGES

In this ever-changing world, we have many diverse cultural and linguistic groups converging. The study of a world language becomes extremely important. The benefits of effective second language instruction focus on the role of the individual in a multilingual, global society. Students in World Language programs also tend to demonstrate greater cognitive development, creativity and divergent thinking. The learner will also develop insight into the nature of language and culture by comparing his/her own language and cultures to others.

For students following the Future-Ready Core Course of Study, World Languages is recommended as one of the concentration areas of focus. Although two levels of world languages are no longer a high school graduation requirement, they are part of the minimum requisite for admission to the UNC system and most colleges in the nation. ***The World Language elective offerings vary from school to school.***

Middle school students in Onslow County Schools may take world language courses that will count as a high school credit. Therefore, if a student successfully completes Level I of a world language course in middle school, he/she may register for Level II of that same world language at grade 9. To receive this credit, the student must have received a passing grade as the combined scores of the course grade and any world languages local assessment. While the courses will receive high school credit, the students' GPA will be computed with courses taken only during the high school years.

Students with prior experience with a world language may pursue placement testing to determine the proper course level. Students exploring this option are asked to contact their school counselor.

SPANISH I

Course Code: 11412X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11

Prerequisite: None

This course is an introduction to the study of the Spanish language and its culture. Students perform the most basic functions of the language and become familiar with some elements of its culture. 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. A general introduction to the culture, its products (e.g., literature, laws, foods, games), perspectives (e.g., attitudes, values, beliefs), and practices (patterns of social interaction) is integrated throughout the course. Students acquire some insight into how languages and cultures work by comparing the target language and culture(s) to their own.

SPANISH II

Course Code: 11422X0C

Fee (if applicable): n/a

Offered at: All High Schools

Grade(s): 9,10,11,12

Prerequisite: Spanish Level I or have placed out of Level I due to previous language study and/or established proficiency.

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students will participate in short conversational situations by utilizing learned elements of the language orally and in writing. Students are able to satisfy basic survival needs and interact on issues of everyday life in the present time and past time through conversation and by composing related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple texts and developing a better understanding of the similarities and differences between cultures and languages. Students examine the influence of the beliefs and values on the target culture(s)

SPANISH III - HONORS

Course Code: 11435X0C

Fee (if applicable): n/a

Offered at: DHS, NSH, RHS, SWHS, SBHS

Grade(s): 10,11,12

Prerequisite: Students enrolled in this course have either successfully completed the Level I and II courses or have placed out of Levels I and II due to previous language study and/or established proficiency.

Students receive 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. Through the use of various verb tenses, students will create, narrate, compose and describe culturally relevant topics in a series of sentences. Students continue to refine their knowledge and understanding of the target language/culture(s) and their own by examining the interrelationship cultures, by demonstrating behaviors appropriate in target cultures, and by applying their knowledge and skills inside and outside of the classroom setting.

SPANISH IV - HONORS

Course Code: 11445X0C

Fee (if applicable): n/a

Offered at: DHS, NSH, RHS, SWH, SBHS, (see IB section for continued Spanish courses)

Grade(s): 10,11,12

Prerequisite: Students enrolled in this course have successfully completed Level III or have placed out of Levels I-III due to previous language study and/or established 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. 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 is studied to aid oral and written communication. There is more in-depth study of the target culture(s) and their influence throughout the world. Students are able to use the language inside and outside of the classroom setting.

SPANISH III FOR HEALTHCARE CAREERS-HONORS

Course Code: 11435X0CHC **Fee (if applicable):** n/a

Offered at: SBHS **Grade(s):** 11

Prerequisite: Spanish I and II

Students in this course have either successfully completed high school Level I and II courses or have placed out of Level I and II due to previous language study as well as be enrolled in the Health/Science Academy. This is an introductory course designed with the objective of exposing students, interested in the health care field, to the specialized language they will need when working with Spanish speakers. The course is organized in units under which students will be introduced to vocabulary and situations found in the health care environment. These situations will provide the opportunity to use the Spanish language in the setting of a variety of hospital procedures.

AP SPANISH LANGUAGE AND CULTURE

Course Code: 1A097X0CAP **Fee (if applicable):** n/a

Offered at: NHS, OVSS, RHS **Grade(s):** 11,12

Prerequisite: Spanish III

The AP Spanish Language and Culture course has been designed to provide advanced high school students with a rich and rigorous opportunity to study the language and culture of the Spanish speaking world that is approximately equivalent to an upper-intermediate college or university Spanish course. It is expected that this course will be offered as the first step in the study of college-level Spanish after approximately three to five years of language study for classroom learners. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, both tangible (e.g., tools, books) and intangible (e.g., laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products).

FRENCH I

Course Code: 11012X0C

Fee (if applicable): n/a

Offered at: SBHS, WOHS

Grade(s): 9,10,11

Prerequisite: None

This course is an introduction to the study of the French language and its culture. Students perform the most basic functions of the language and become familiar with some elements of its culture. 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. A general introduction to the culture, its products (e.g., literature, laws, foods, games), perspectives (e.g., attitudes, values, beliefs), and practices (patterns of social interaction) is integrated throughout the course. Students acquire some insight into how languages and cultures work by comparing the target language and culture(s) to their own.

FRENCH II

Course Code: 11022X0C

Fee (if applicable): n/a

Offered at: SBHS, WOHS

Grade(s): 9,10,11,12

Prerequisite: Students enrolled in this course have either successfully completed a Level I course or have placed out of Level I due to previous language study and/or established proficiency.

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students will participate in short conversational situations by utilizing learned elements of the language orally and in writing. Students are able to satisfy basic survival needs and interact on issues of everyday life in the present time and past time through conversation and by composing related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple texts and developing a better understanding of the similarities and differences between cultures and languages. Students examine the influence of the beliefs and values on the target culture(s)

FRENCH III - HONORS

Course Code: 11035X0C

Fee (if applicable): n/a

Offered at: SBHS

Grade(s): 10,11,12

Prerequisite: Students enrolled in this course have either successfully completed the Level I and II courses.

Students receive 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. Through the use of various verb tenses, students will create, narrate, compose and describe culturally relevant topics in a series of sentences. Students continue to refine their knowledge and understanding of the target language/culture(s) and their own by examining the interrelationship cultures, by demonstrating behaviors appropriate in target cultures, and by applying their knowledge and skills inside and outside of the classroom setting.

FRENCH IV - HONORS

Course Code: 11045X0C

Fee (if applicable): n/a

Offered at: SBHS

Grade(s): 10,11,12

Prerequisite: Students enrolled in this course have successfully completed Levels I- III and/or established proficiency.

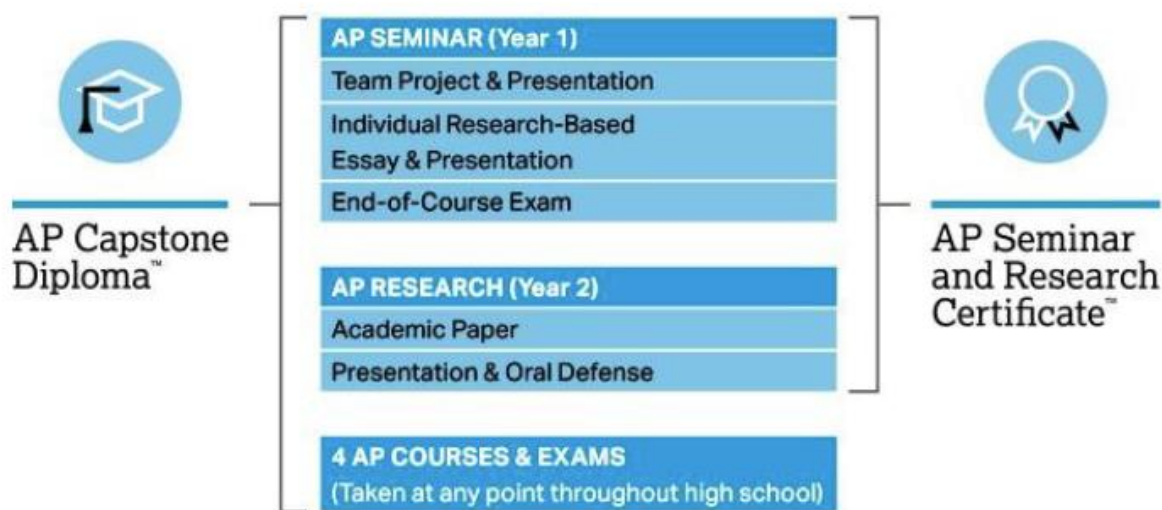
A major focus of this course is to enable students to communicate in writing and in extended conversations on a variety of familiar and some unfamiliar topics. Students begin to narrate, discuss, and support fairly complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. 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. There is more in-depth study of the target culture(s) and their influence throughout the world. Students are able to use the language inside and outside of the classroom setting.



ADVANCED PLACEMENT (AP) CAPSTONE ACADEMY

The Advanced Placement (AP) Capstone Academy is offered at both Northside High School and Richlands High School. The Program is designed to provide students an opportunity to apply critical thinking, collaborative problem solving, and research skills in a cross-curricular context. Students will engage in a rigorous academic experience combined with the support systems necessary for success.

The College Board’s AP Capstone Program is built on the foundation of a new, two-year high school course sequence – AP Seminar and AP Research – and is designed to complement and enhance the in-depth, discipline-specific study provided through AP courses. The Capstone program will also expose students to performance tasks, research methodology, and multimedia communication. Successful completion of the Capstone program will culminate in the students’ ability to make cross-curricular connections and possess the skill sets to conduct college level research while working toward earning the AP Capstone Diploma or AP Capstone Certificate.



SEMINAR- ADVANCED PLACEMENT

Course Code: 0A017X0CAP **Fees:** n/a
Offered at: NHS, RHS **Grade(s):** 10, 11
Prerequisite: None

In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media.

RESEARCH- ADVANCED PLACEMENT

Course Code: 0A007X0CAP **Fees:** n/a
Offered at: NHS, RHS **Grade(s):** 12
Prerequisite: AP Seminar

This course allows students to design, plan, and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students further the skills developed in AP Seminar by learning how to understand research methodology, employ ethical research practices, and access, analyze, and synthesize information to build, present, and defend an argument.

INTERNATIONAL BACCALAUREATE (IB)

The International Baccalaureate (IB) aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect. To this end, the organization works with schools, governments, and international organizations to develop challenging programs of international education and rigorous assessment. These programs encourage students across the world to become active, compassionate, and lifelong learners who understand that other people, with their differences, can also be right.

The IB Diploma Program (DP) is a rigorous course of study, and the ideal IB student is an independent, motivated learner. A student with average ability, who is willing to work and has consistent and organized work habits, will succeed.

The full diploma requires students to study six subject areas over two years (Language, Second Language, Individuals and Societies, Experimental Sciences, Mathematics, and the Arts) and a complete a core of three parts (theory of knowledge, extended essay and creativity, action and service) with the support from advisors and staff.

IB courses, the IB Diploma Program, and the IB Career-related Certificate Program are offered at Jacksonville High School. For more information about the IB Diploma Program or IB Career-Related Program, please contact Amber Lumley, JHS IB Coordinator at (910) 989-2048. For general IB questions, please contact Michael Elder in the Division of College and Career Readiness at (910) 455-2211extension20264.

IB BIOLOGY (HL) A

Course Code: 3I018X0CAB

Fee (if applicable): \$5

Offered at: JHS

Grade(s): 11,12

Prerequisite: Honors Biology, Chemistry, Math III or higher

IB BIOLOGY (HL) B

Course Code: 3I018X0CBB

Fee (if applicable): \$5

Offered at: JHS

Grade(s): 12

Prerequisite: Honors Biology, Chemistry, Math III or higher
Higher level International Baccalaureate Biology is a two-year course of study, which emphasizes basic biochemistry, cell structure and function, genetic patterns of inheritance, plant form and function, evolution, ecology, animal physiology and the international nature of science. An interdisciplinary group project helps students realize that one discipline is not isolated from another and that scientists can work together on problems to discover solutions to a common goal. Requiring structured labs, research papers and experimental design projects emphasizes laboratory work. Instruction is student-centered with cooperative learning as well as teacher directed, thus offering the student a college-level biology experience. Students will sit for the higher-level International Baccalaureate Biology exam in the spring of their senior year. The IB Internal Assessment for this course includes formal lab reports, informal lab notebook excerpts, and participation in the IB Group 4 Project.

IB FRENCH THROUGH PAMOJA

Course Code: 1I068X0DIB **Fee (if applicable):** n/a

Offered at: JHS

Prerequisite: None **Grade(s):** 11,12

Offered at SL only, language ab initio is a language acquisition course designed for students with no previous experience in—or very little exposure to—the target language. Language ab initio students develop their receptive, productive & interactive skills while learning to communicate in the target language in familiar & unfamiliar contexts. Students develop the ability to communicate through the study of language, themes & texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. While the themes are common to both language ab initio and language, the language ab initio syllabus additionally prescribes four topics for each of the five themes, for the total of 20 topics that must be addressed over the two years of the course.

IB HISTORY OF THE AMERICAN (HL) PART A

Course Code: 4I008X0DAB **Fee (if applicable):** n/a

Offered at: JHS

Grade(s): 11,12

Prerequisite: None

Recommendation: World History and American History: The Founding Principles, Civics and Economics

IB HISTORY OF THE AMERICAN (HL) PART B

Course Code: 4I008X0DBB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 12
Prerequisite: None

The IB Diploma Program (DP) history course is a world history course based on a comparative and multi-perspective approach to history. 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 puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past.

IB LANGUAGE A (ENGLISH) - LITERATURE (HL) A

Fee (if applicable): n/a
Grade(s): 12
Prerequisite: None
Recommendation: English II Honors or English III Honors

IB LANGUAGE A (ENGLISH) - LITERATURE (HL) B

Course Code: 1I038X0CBB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 12 **Prerequisite:** None

This two-year course is built on the assumption that literature is concerned with our conceptions, interpretations and experiences of the world. The study of literature enables an exploration of one of the more enduring fields of human creativity, and provides opportunities for encouraging independent, original, critical and clear thinking. It also promotes respect for the imagination and a perceptive approach to the understanding and interpretation of literary works. Through the study of a wide range of literature, this course encourages students to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches. The study of works in translation is especially important in introducing students, through literature, to other cultural perspectives. HL students will study at least 13 works of which at least five must be written originally in the language studied, at least four must be works in translation, and four can be chosen freely. Written and oral assignments are graded both internally and externally by the International Baccalaureate Organization.

IB LANGUAGE B – SPANISH (SL) A

Course Code: 11158X0CAB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 11,12

IB LANGUAGE B - SPANISH (SL) B

Course Code: 11158X0CBB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 12

Prerequisite: None

Prior to these courses, students have successfully completed high school Level I-III. Students enrolled in these IB courses, will develop international mindedness through the study of the target language, culture, and ideas and issues of global significance while increasing their competency in understanding, speaking, reading, and writing in the target the language. The courses will enable students to communicate in the language in a range of contexts and for a variety of purposes. Discussions, conversations and study of the culture will be enhanced by the readings of selected, short stories, essays, drama, poetry, newspapers, and magazines. The courses will provide students, through language learning and the process of inquiry, with opportunities for intellectual engagement and the development of critical- and creative-thinking skills. The development of listening, speaking, reading, and writing skills continues through questions, discussion, and oral and written presentations. The target language is used exclusively as the vehicle for communication.

By the end of the courses, students will have the required skills to successfully pass the IB examinations.

IB MANDARIN CHINESE THROUGH PAMOJA

Course Code: 1I148X0DIB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 11,12

Prerequisite: None

Offered at SL only, language ab initio is a language acquisition course designed for students with no previous experience in— or very little exposure to—the target language. Language ab initio students develop their receptive, productive and interactive skills while learning to communicate in the target language in familiar and unfamiliar contexts. Students develop the ability to communicate through the study of language, themes and texts. There are five prescribed themes: identities, experiences, human ingenuity, social organization and sharing the planet. While the themes are common to both language ab initio and language B, the language ab initio syllabus additionally prescribes four topics for each of the five themes, for a total of 20 topics that must be addressed over the two years of the course.

IB MUSIC A (SL)

Course Code: 5I048XOCAB **Fee (if applicable):** n/a
Offered at: **Grade(s):** 11,12

IB MUSIC B (SL)

Course Code: 5I048XOCBB **Fee (if applicable):** n/a
Offered at: **Grade(s):** 12

Prerequisite: None

This course will help students to develop their knowledge and potential as musicians, both personally and in their work with others. IB Diploma Program music students study musical perception and actively listen to music from many different countries, cultures, and time periods. Students develop their aural perception and understanding of music by learning about form, notation systems, musical terminology, and context. Students will become informed, reflective, and critical practitioners in the arts, understand the dynamic and changing nature of the arts, and explore and value the diversity of the arts across time, place and cultures. Students will express their knowledge of music by writing about music, and through creating and performing music.

IB PERSONAL AND PROFESSIONAL SKILLS A

Course Code: 0I008XOCAB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 11,12

IB PERSONAL AND PROFESSIONAL SKILLS B

Course Code: 0I008XOCBB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 12

Prerequisite: None

This course challenges International Baccalaureate Career-related Program (IBCP) students in the following five themes: thinking processes, intercultural understanding, effective communication, applied ethics and personal development. The focus of the PPS course is studying what we know in a specified career and technical field of knowledge and how we know it. Students are led to make connections among their classroom and non-classroom knowledge and experience, and they examine the ethics, value judgments, and belief systems of the various disciplines. Through the PPS course, students will develop good intellectual habits; practical problem-solving skills; ethical, creative and lateral thinking skills; thinking critically about the ethical dimensions of situations; self-awareness; individual strengths and limitations; intercultural awareness through increasing their understanding of cultural characteristics and differences; communication skills through refinement or their oral and written communication skills; personal and interpersonal skills of management and organization for the workplace and beyond; the skills of reflection and critical thinking in personal, social and professional situations; and an understanding that many questions, issues or problems do not always have simple right or wrong answers.

IB PSYCHOLOGY A

Course Code: 4I108XODIB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):**

IB PSYCHOLOGY B

Course Code: 4I108XODIB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):**

Prerequisite: None

The course will help students to develop an understanding of the biological, cognitive and socio[1]cultural factors affecting mental processes and behavior. They will apply an understanding of the biological, cognitive and sociocultural factors affecting mental processes and behavior to at least one applied area of study and developing an understanding of diverse methods of inquiry while examining the importance of ethical practice in psychological research in general and observe ethical practice in their own inquiries. Students will develop an awareness of how psychological research can be applied to address real-world problems and promote positive change. The course will provide students with a basis for further study, work, and leisure through the use of an additional language. It will foster curiosity, creativity, and a lifelong enjoyment of language learning.

IB SPORTS EXERCISE AND HEALTH SCIENCE

Course Code: 3I088XODIB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 11,12

Prerequisite: None

Sports, exercise and health science (SEHS) is an experimental science course combining academic study with practical and investigative skills. SEHS explores the science underpinning physical performance and provides the opportunity to apply these principles. The course incorporates the disciplines of anatomy and physiology, biomechanics, psychology and carry out practical (experimental) investigations in both laboratory and field settings. The course offers a deeper understanding of the issues related to sports, exercise, and health in the 21st century and addresses the international dimension and ethics related to both the individual and global context. Apart from being worthy of study in its own right, SEHS is good preparation for courses in higher or further education related to sports fitness and health and serves as useful preparation for employment in sports and leisure industries.

IB THEORY OF KNOWLEDGE

Course Code: 0I018XOCIB **Fee (if applicable):** n/a
Offered at: JHS **Grade(s):** 11,12

Prerequisite: None

A unifying element in the Diploma Program centered on student reflection and questioning, the Theory of Knowledge course encourages critical thinking about knowledge itself to help young people make sense of what they encounter. This year-long course examines the philosophical framework of each academic discipline while reflecting critically and logically on ideas originating in the other courses. One essay of 1200-1600 words, numerous shorter length written papers, and oral presentations are required.

MISCELLANEOUS

AFJROTC I-AVIATION HISTORY

Course Code: 95012X0C **Fee (if applicable):** \$20

Offered at: NHS **Grade(s):** 9,10,11

Prerequisite: Must be able to participate in physical fitness program.

This is the introductory course to AFJROTC Aerospace Science and Leadership Education. Students develop skills and self-discipline through class instruction, hands-on activities, and military drill. Academic instruction covers the history of aviation, leadership education, and healthful living. The aviation history course focuses on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials. Communication skills, problem solving, human relations, and logical thinking are a strong part of this course. Cadets are required to participate in physical education training and activities; including fitness training, personal fitness, and individual and team sport skills. All cadets are required to participate in at least one Saturday community service activity.

AFJROTC II-SCIENCE OF FLIGHT

Course Code: 95022X0C **Fee (if applicable):** \$20

Offered at: NHS **Grade(s):** 10,11,12 (Seniors must take JROTC III second semester)

Prerequisite: AFJROTC I and approval of instructor.

This course is a continuation in the study of Aerospace Science and Leadership Education. Academic emphasis is on the aerospace environment, human requirements of flight, and the principles of flight and navigation. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Leadership emphasis is on understanding individual and group behavior, improving communication skills, and the introduction to leadership theories. Cadets continue to improve their drill skills and participate in physical training one day each week. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. The course also offers a wide variety of voluntary after-school activities, including a competitive drill team, cadet clubs and community service projects. Cadets can attend week-long summer leadership camps after completing the course. Cadets are required to participate in physical education training and activities, including fitness testing, personal fitness, team sports, aerobics, and outdoor education skills. All cadets are required to participate in at least one Saturday community service activity.

AFJROTC III-HONORS-GLOBAL CULTURAL STUDIES

Course Code: 95035X0C

Fee (if applicable): \$20

Offered at: NHS

Grade(s): 11,12

Prerequisite: AFJROTC I, II and approval of instructor.

This course is a continuation in the study of Aerospace Science and Leadership Education. Aerospace academics will focus on space such as the space environment, exploring space, and manned and unmanned spaceflight. Academic emphasis will begin a multidisciplinary course titled Global and Cultural Studies that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Leadership emphasis is on life skills such as career planning, managing others, stress management, financial management, citizenship, and ethics. Third year cadets put leadership skills learned in AFJROTC I and II into practice by holding leadership roles in the corps of cadets. The honors portion of this course introduces hands-on leadership using the AFJROTC organization as a leadership laboratory. Cadets will be required to plan and execute one flight or squadron-level activity. Advanced reading assignments, writing assignments, practical actions, and analysis are requirements for this course. As third year cadet leaders, students learn to analyze and determine the factors contributing to success and failure as they plan and execute projects and activities. All cadets are required to participate in at least one Saturday community service activity.

AFJROTC IV-HONORS-PRINCIPLES OF MANAGEMENT

Course Code: 95045X0C

Fee (if applicable): \$20

Offered at: NHS

Grade(s): 12

Prerequisite: AFJROTC I, II, III and approval of instructor.

This is the advanced course of Aerospace Science and Leadership Education for students, subjects cover the basic elements of survival, principles of management, and preparation for life after high school. The fourth-year cadets apply leadership using AFJROTC organization as a basis for practical actions and analysis. Throughout the year, cadets manage all aspects of cadet corps activities. This hands-on experience affords senior cadets the opportunity to put theories into practice in communication, decision-making, personal interaction, managing, and organizing. At the honors level, cadets apply leadership skills using the AFJROTC organization as a leadership laboratory. Cadets will be required to complete an Honors Senior Project. Cadets will also be required to plan and execute one flight or squadron-level activity. Advanced reading assignments, writing assignments, practical actions, and analysis are requirements for this course. A variety of leadership and management styles, personalities, and traits are studied. Cadet corps leaders in the honors class are expected to be active in after-school preparation for corps projects and extracurricular activities, such as the corps competitive drill team. Numerous major group projects are required to fulfill the product requirements of this course. All cadets are required to participate in at least one Saturday community service activity.

AFJROTC V-HONORS-LEADERSHIP

Course Code: 95055X0C **Fee (if applicable):** \$20
Offered at: NHS **Grade(s):** 12

Prerequisite: AFJROTC I, II, III, IV and approval of instructor.
This course is offered to cadets who have achieved the top 10% of fitness and academic standards throughout their ROTC career. This course is a further practical application of Leadership Education for students, enabling senior-level cadets to directly mentor underclass cadets and assist in planning squadron events. Academic emphasis will continue the multidisciplinary course titled Global and Cultural Studies that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Cadets will be required to plan and execute one flight or squadron-level activity. Advanced reading assignments, writing assignments, practical actions, analyses, and effective communication skills are requirements for this course. Cadet corps leaders in the honor class are expected to actively participate in after-school preparation for corps projects and extracurricular activities, such as the corps competitive drill team, Raider team, Adopt-A-Highway, etc. Numerous major group projects are required to fulfill the product requirements of this course. All cadets are required to participate in at least one Saturday community service activity.

AFJROTC VI-HONORS-MENTORING AND FACILITATION

Course Code: 95065X0C **Fee (if applicable):** \$20
Offered at: NSH **Grade(s):** 12

Prerequisite: AFJROTC I, II, III, IV, V and approval of instructor.
This course is offered to cadets who have achieved the top 10% of fitness and academic standards throughout their ROTC career. This course is a practical application of Leadership Education for students, enabling senior-level cadet to facilitate leadership/mentorship of cadets in AFJROTC I, II, III, and IV. This course is designed to enhance student character and professional development. Academic emphasis will continue the multidisciplinary course titled Global and Cultural Studies that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Cadets will be required to facilitate the planning

Yearbook

Course Code: 96102X0C4 **Fee (if applicable):** n/a
Offered at: WOHS **Grade:** 9, 10, 11, 12

This interactive, hands-on course will involve exposure to yearbook production & photography that will develop skills that include interviewing, writing captions and headlines; digital photography; desktop publishing and other technology tools. Students will be required to photograph on and off campus (sports, clubs, concerts, dances, etc.) & sell ads. Students will be provided with digital cameras; yearbook pass and other tools for yearbook production.

AVID

Course Code: **Fee (if applicable):** n/a
9th-96102X01VS **Grade(s):** 9,10,11,12
10th-96102X02VS

11th-96102X03VS
12th-96102X04VS
Offered at: All High Schools

AVID -HONORS

11th-96105X03VY
12th-96105X04VS
Prerequisite: Students new to AVID must complete an application/interview process and be accepted into the AVID program in the spring of each school year. Please contact the school of interest to set up an appointment.
This course/program is designed to prepare students for college success. Students will be taught the WICOR curriculum (Writing, Inquiry, Collaboration, Organization and Reading), as well as the Focused note-taking method. Special attention will be given to writing skills to prepare students for college application essays. The students will be required to keep and maintain a binder with materials from all their classes. Tutors will be available to assist students with work from all their classes. Motivational guest speakers and field trips will also be utilized. Upon completion of the school year, the students will turn in a portfolio, highlighting their accomplishments and evidence of their schoolwork.

ACT PREP

Course Code: 96072X0C **Fee (if applicable):** n/a
Offered at: NHS, OVSS **Grade(s):** 11

Prerequisite: None
ACT Prep is designed to ensure students are fully prepared for the ACT. Through face-to-face instruction, online materials and training in Sylvan speed reading, students are provided the best ACT prep opportunity available. In addition, SylvanTestPrep.com features engaging, expert and personalized instruction, available 24/7 for a full year through on-demand videos and interactive lessons. Instructors will teach an array of test taking strategies to handle every ACT question type. Teachers will review appropriate academic concepts in the areas of grammar, writing skills, vocabulary enrichment, reading comprehension, arithmetic, Algebra, Geometry, trigonometry, interpretation of graphs and tables, and scientific analysis. Each student will receive diagnostic score reports based on their practice ACT performances. Parents will have access to a parent portal which allows them to view their student's progress and test scores.

SAT PREP

Course Code: 96022X0C **Fee (if applicable):** n/a
Offered at: **Grade(s):** 9,10,11,12

Prerequisite: Successful completion of English I and II
Recommendation: Completion of Geometry and intent to attend a college or university that requires the SAT for admission. This course is intended for college-bound juniors and seniors. This course focuses on strategies needed to be successful on the SAT and is designed to improve overall performance in PSAT/SAT scores. Students can further develop reading skills and mathematical problem solving. Practice tests will be administered throughout the semester for building test-taking skills.

TEACHER CADET I-HONORS**Course Code:** 96045X0C **Fee (if applicable):** n/a**Offered at:** NHS, RHS, WOHS **Grade(s):** 11**Prerequisite:** Teacher Cadet Application

The North Carolina Teacher Cadet Program is an innovative, activity-based curriculum designed for high school juniors and seniors who are interested in pursuing a career in the field of education. It is an honors program that details many components of the educational environment and involves students in content, application, observations and teaching in preschool, elementary, middle, and high school. The curriculum is divided into five units of study: the learner, the teacher and training, human growth and development, special education, field experience, and the school. Students learn about different personality types, learning styles, and physical, social and moral development. Field studies, portfolios, journals, and projects are required. Students are required to travel to school sites for observations and field experience. Students may be required to provide their own transportation.

TEACHER CADET II-HONORS**Course Code:** 96065X0C **Fee (if applicable):** n/a**Offered at:** NHS, RHS, WOHS **Grade(s):** 11,12

Prerequisite: Teacher Cadet I and completed application
Students will spend a majority of the course outside of the classroom. The field experiences are the strongest component of the Teacher Cadet Program. It is the students' first glimpse at education "from the other side of the desk," and allows them to discover the joy of teaching first-hand. The purpose of the field experience is to help students formulate an image of what it is like to be a teacher and to implement the knowledge and teaching strategies they acquired in Teacher Cadet I. Field studies, portfolios, journals, and projects are required. Students are required to travel to school sites for observations and field experience. Students may be required to provide their own transportation.



CROSS AND CONTROLLED ENROLLMENT

Realizing that not all students share the same interests and career goals or learn in the same fashion, our schools developed programs to meet the diverse needs of our students. Some of these academic programs are not available at all Onslow County high schools. In order to make as many opportunities available to our students as possible, two different types of enrollment processes exist to help students find the courses they are seeking, while allowing them to participate at their home school if possible or at another school if necessary.

CROSS ENROLLMENT

When a student finds an interest in coursework that is not available at their home school but may be offered at a nearby school, they may choose to participate in **CROSS ENROLLMENT** with that school. *That means they would remain a member of the student body at their current school, while taking the desired class at the other campus. They would travel to the other school for that class period and then return to their home school for the remainder of the day, if applicable.* In some cases, students may finish their school day at the other school and would begin their day the following day at their home school. In this fashion, students could have the experience of the course they desired while still remaining a member of their home school. The acceptance at the other school rests entirely with the principal of that school, the availability of room in the course, and finally the timing of the scheduling between the two schools. Any students interested in taking a course through Cross Enrollment need to contact their current principal.

- Transportation will not be provided for students who are accepted into a specialized program at another school, and Onslow County Schools will not assume liability for student drivers commuting to specialized programs.
- Students who are accepted into a specialized program at another school must complete the entire semester before returning to their home school at that time.
- If the student wants to take another course at the second school, they must go through the same process to determine if the scheduling and availability requirements are still in place for the second semester or following school year.

SPECIALIZED PROGRAMS

Each Onslow County high school has a variety of SPECIALIZED PROGRAMS specific to the needs and interests of the school and the community. Typically, these programs are developed after the school has received input from their stakeholders, which include students, parents, local business owners and other community members. These specialized programs would provide course opportunities that may or not be available at other high schools, but the idea would be to group students with similar interests in courses together, when possible, to allow for career exploration.

Specialized Programs are typically not considered as Controlled Enrollment opportunities due to the nature of the courses being taught at many high schools. These opportunities would be ideal for Cross Enrollment, to allow a student to get the desired courses but to remain on their home campus for the rest of the day.

The following list includes the specialized academic programs available at the listed school.

Teaching as a Profession

SBHS

A course designed to introduce students to the role and positive influence of an effective educator. Students will explore various careers in education and develop employability skills to become a successful professional. Students will understand the value of multiculturalism and diversity in the classroom and how it enhances individual student learning. Students will identify instructional strategies and understand the role of technology and feedback in student engagement.

CROSS AND CONTROLLED ENROLLMENT

ONSLOW COUNTY SCHOOLS SPECIALIZED PROGRAMS

Eligible for Specialized Program	School(S)	Eligible for	
		Cross Enrollment	Controlled Enrollment
AP Capstone***	NSH		X
AP Capstone***	RHS		X
Air Force Junior Reserve Officer Training Corps (AFJROTC)*	NHS		X
Agriscience Academy***	RHS		X
Audio/Visual (AV) & Communication Technologies Academy	SBHS		X
Engineering Major	WOHS		X
International Baccalaureate Career-related Program**	JHS		X
International Baccalaureate Diploma Program**	JHS		X
Marine Occupations	DHS		X
Teaching as a Profession	SBHS	X	X

*AFJROTC at Northside High School requires enrollment in courses beginning in freshman year.

**IB Diploma and Career-related Programs open to Controlled Enrollment only for students seeking a full IB Diploma.

***Students may apply for Controlled Enrollment to these initiatives beginning in freshman year.

CROSS AND CONTROLLED ENROLLMENT

CONTROLLED ENROLLMENT

A second choice for enrolling in a course not found at a student's home school would be **CONTROLLED ENROLLMENT**. *When a student successfully completes the necessary paperwork for the Controlled Enrollment application, as well as any required paperwork and interview from the second school, and is accepted into the specialized program and the parents accept the placement, the student may become a member of the second school for the remainder of the school year.* They must be enrolled in the courses associated with the specialized program for the duration of the time they are at the second school. Additionally, students will have to meet requirements unique to each specialized program.

- Transportation will not be provided for students who are accepted into a specialized program at another school, and Onslow County Schools will not assume liability for student drivers commuting to specialized programs.
- Students who are accepted into a specialized program at another school must complete the entire school year before applying to return to their home school.
- Students who are accepted into a specialized program at another school and fail to meet the expectations of the program will return to their home school at the end of the school year.

The following **Controlled Enrollment** programs are the **only** options available for students beginning in their **9th grade year**.

- **Agriscience Academy - Richlands High School** - The Richlands Agriscience Academy provides students with the knowledge and skills necessary for further education and employment in the diverse field of agriculture and life sciences while developing their potential for premier leadership, personal growth and career success. All students enrolled in the RHS Agriscience Academy will take the general pathway which includes Sustainable Agriculture and Advanced Studies. In addition, students would choose between the Horticulture Pathway or the Animal Science Pathway. Possible certifications through our program may include: Certified Plant Professional, Pork Quality Assurance, Beef Quality Assurance. Students will have the opportunity to complete a comprehensive experiential learning activity and hone their leadership skills through participation in the National FFA Organization.
- **Air Force Junior Reserve Officer Training Corps (AFJROTC) – Northside High School** - The AFJROTC program educates and trains high school cadets in citizenship, promotes community service, instills responsibility, character, and self-discipline, and provides instruction in air and space fundamentals. The program is grounded in the Air Force core values of integrity first, service before self, and excellence in all we do. The curriculum emphasizes the Air Force heritage and traditions, the development of flight, applied flight sciences, military aerospace policies, and space exploration.
 - **Requires enrollment in AFJROTC courses beginning in freshman year.**
 - Maintain military appearance requirements (standard military hair style, uniform specified by instructor, etc.)
- **Animal Science Major (part of the STEAM Academy) – White Oak High School** - This major is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. It introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through a required and related supervised agricultural experience (SAE) approved by the advisor, a formal showing or presentation as part of the culminating SAE, continuous member in the FFA, and successful completion of courses such as: AgriScience Applications, Animal Science I, Animal Science II, Animal Science II Small Animal, Sustainable Agriculture Production I, Sustainable Agriculture Production II, and an established internship with the WOHS farm.
- **AP Capstone – Northside High School and Richlands High School –**

The Advanced Placement (AP) Capstone program offered at Northside and Richlands High Schools is a challenging college level program with high standards of assessment. It equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges world-wide. The program cultivates curious, self-motivated, intelligent scholars and prepares them to make logical, evidence-based decisions. Other benefits to students include:

 - The fostering of research, argumentation, and communication skills at the core of college readiness and lifelong learning
 - The opportunity to build on the knowledge and rigorous coursework of Advanced Placement in an interdisciplinary format
 - The opportunity to show prospective colleges that they have challenged themselves academically and also illustrate their passion for learning and potential for academic success

CROSS AND CONTROLLED ENROLLMENT

Students must take six AP courses in order to participate in the AP Capstone program. Two basic required courses are AP Seminar and AP Research. These basic courses are taken over a two-year period with AP Seminar taken the first year and AP Research taken the second year. Students can select any other four AP courses, which may be taken at any time throughout their high school career. The additional Northside High AP courses from which to choose include: English Language and Composition, English Literature and Composition, Statistics, Calculus AB, Calculus BC, Biology, Chemistry, Environmental Science, United States History, World History, Psychology, Computer Science, Art History, 2 D Studio Art, Music Theory, and any new AP classes that may be added in the future. Richlands High currently offers: English Language and Composition, English Literature and Composition, Statistics, Calculus AB, Calculus BC, Computer Science A, Environmental Science, US History, Psychology, Government and Politics, and NCVPS courses. Participants who earn AP exam scores of 3 or higher in AP Seminar and AP Research and on any other four AP exams they take will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP exams will receive an AP Seminar and Research Certificate. No program costs are currently incurred by students. In past years, students who take AP exams have been afforded the opportunity to do so at no cost through the utilization of state provided funding.

- **Engineering Academy – Richlands High School** - The Engineering Academy is a structured program that is designed to provide students with an advanced and rigorous curriculum in science, math and technology that will prepare them for further study and careers in engineering. The curriculum will serve as excellent preparation for the study of advanced pre-engineering college mathematics and sciences.
- **International Baccalaureate Diploma Program – Jacksonville High School** - The International Baccalaureate (IB) Diploma Program is a rigorous two-year course of study in the junior and senior year leading to an International Diploma from Geneva, Switzerland. The IB Diploma is recognized by the world's leading universities. The curriculum creates an international mindedness that results in an increased global awareness for the students in and out of the classroom. Preparation for the IB Program must begin during the freshmen year. All prospective students for IB courses must complete the application process.
 - Students considering participation in the International Baccalaureate Diploma Program **must** complete English I Honors, English II Honors, Biology Honors, Chemistry Honors, AP Environmental or Earth and Environmental Honors, World History Honors, Math I, Math II, Math III, and 3rd Level of Foreign Language (Spanish) by the end of the sophomore year.
 - **The IB Program is available as an option for students beginning in 9th grade.**
- **International Baccalaureate Career-Related Program - Jacksonville High School** - The International Baccalaureate Career-related Program (IBCP) is a framework of international education that incorporates the values of the IB into a unique program addressing the needs of students engaged in career-related education. The program leads to further/higher education, apprenticeships, or employment.
 - CP students undertake a minimum of two IB Diploma Program courses (2 levels of each course), a core consisting of four components: Personal and Professional Skills Class (2 levels), Reflective Project, Service-Learning Project, Language Development, and a career-related study in either Health Sciences or Business (minimum of 4 courses with one being a completer course). **This course work should be completed during the students junior and senior years of high school.**
 - For CP students, DP courses provide the theoretical underpinning and academic rigor of the program; the career-related study further supports the program's academic strength and provides practical, real-world approaches to learning; and the CP core helps them to develop skills and competencies required for lifelong learning.
 - **The IB Career-related Program is available as an option for students beginning in 9th grade.**
- **Marine Occupations – Dixon High School** - Students will learn about boating safety have the opportunity to earn their NC boating license. Students will learn to weld, repair fiberglass, repair engines and navigate a vessel. These courses are project based and require students to work in the shop on a daily basis.
- **Teaching as a Profession – Swansboro High School** - The goal of Teaching as a Profession is to create opportunities for high school students with strong interpersonal and leadership skills to enroll in courses in their high schools that encourage teaching as a career pathway. The inherently honors, college level courses, expose students to the many facets of education through class discussion, observation, and participation in public school classrooms. Students will examine their aptitudes for teaching, learner needs and development, including students with exceptionalities, and the history, trends, and governance of education. In the capstone course, students may participate in guided and independent classroom leadership activities with mentoring from their cooperating teacher. The field experience provides students with the skills and tools that are an integral and complementary component of Teaching as a Profession I and II, which assist in developing pedagogical skills, knowledge, and characteristics necessary for effective teaching.

The following includes other program(s) available for **Controlled Enrollment**. **Unless otherwise noted, students will be considered for Controlled Enrollment in these programs for their 10th and 11th grade years.** Students enrolled for either of those years will be considered for their 12th grade year. ***No students will be considered for Controlled Enrollment for only their 12th grade year.***

Swansboro High School

- **Audio/Visual (AV) & Communication Technologies Academy** - The AV & Communication Technologies Academy provides a small learning community for creative students interested in visual, digital media including audio and video production. Students will be enrolled in several Adobe Academy courses which will lead to certification when completed.

CONTROLLED ENROLLMENT APPLICATION DIRECTIONS

All assignments will be for a full academic year. Students can change assignments during the school year **only** if they move out of their current attendance area or meet hardship requirements. Hardship cases will be heard by the school principal and the superintendent's designee.

1. Students will meet with the Controlled Enrollment counselor at their home school.
2. Students must complete the Controlled Enrollment application as well as the required paperwork from the Controlled Enrollment school that will be considered for acceptance in the desired program.
3. Completed Controlled Enrollment application must be returned to the Student Services Office at the Onslow County Central Office.
4. These documents will be forwarded to the Controlled Enrollment school for consideration.
5. After the receiving school determines whether the student will be accepted into the Controlled Enrollment program, the paperwork will be returned to the Student Services Office.
6. If accepted, a contract will be sent to the parents for final acceptance of the student placement.
7. A letter outlining the outcome of the applications and the contract will be mailed to both schools and the parent.
8. Once all paperwork is completed and all conditions have been met, the student will be assigned to the Controlled Enrollment school for the following school year.
9. Transportation will not be provided outside of the assigned home school attendance area. Parents must provide timely transportation to and from school each day if no exception for transportation has been made. *(Failure to provide timely transportation may result in student transfer to their home school)*
10. ***If space is available***, siblings who also make application will be assigned to the same school if older sibling is selected.
11. Selection will be based on space available. Students will be assigned their choice to the fullest extent possible. If your choice is not available, the student will be assigned to his/her homeschool. All Onslow County students will have an opportunity to participate in controlled enrollment process with assignment based on availability, facilities, and consideration of special needs.
12. Any student whose choice is to remain at their assigned home district school will **not** need to complete an application.

**ONslow COUNTY SCHOOL SYSTEM
CONTROLLED ENROLLMENT INTENT
FORM 2024-2025**

Intent Forms are due on or before **Friday, April 26, 2024**

This form should be completed by all current controlled enrollment students in any specialized program at any high school.

(Student Last Name)	(Student First Name)	(Middle)
(Student ID #)	(Date of Birth – Month/Day/Year)	(Grade Level in 2024-2025)
(Parent/Legal Guardian Name)		(Relationship to Child)
(Address)	(City)	(State) (Zip)
(Home Phone Number)	(Work Phone Number)	(Cell Number)
(Home District School)	(Controlled Enrollment School)	(Controlled Enrollment Academy/Program Title)

I understand that by signing this intent form that my child will continue to be eligible for enrollment in the above listed Controlled Enrollment program. I understand that I will be responsible for transportation to and from the Controlled Enrollment school and that my child must remain enrolled in the program for the entire academic year. I understand that my child must be making satisfactory progress in the above listed academy/program.

(Student Signature)	(Date)
(Parent Signature)	(Date)

For School Use Only

- Student is making satisfactory progress in the above listed academy/program.
- Student is not making satisfactory progress in the above listed academy/program.
- Approved
- Not Approved

Reason:

(Principal/Designee Signature)	(Date)
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For Central Office Use Only

Your child has been assigned to the academy/program listed above.

(Student Services Director Signature)	(Date)
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**ONslow COUNTY SCHOOL SYSTEM
CONTROLLED ENROLLMENT
APPLICATION 2024-2025**

Applications will not be accepted after **Friday, April 29, 2024**

(Student Last Name) (Student First Name) (Middle) (Grade Level in 2024-2025)

(Student ID #) (Date of Birth – Month/Day/Year)

(Parent/Legal Guardian Name) (Relationship to Child)

(Parent/Legal Guardian Address) (City) (State) (Zip)

(Mailing Address – if different from above)

(Home Phone Number) (Work Phone Number) (Cell Number)

(Home District School) (School Attended in 2023-2024)

- DHS – Marine Occupation
- JHS – International Baccalaureate Diploma Program
- JHS – International Baccalaureate Career-related Certificate Program
- NHS – Air Force Junior ROTC
- NSH – AP Capstone
- RHS – AP Capstone
- RHS – Engineering Academy
- RHS- Agriscience Academy
- SBHS – Audio/Visual & Communication Academy
- WOHS – Animal Science

**Available for application beginning in 9th grade*

1. (Controlled Enrollment School) (Requested Specialized Program)

2. (Controlled Enrollment School) (Requested Specialized Program)

Check the box below **if applicable**: Each **new** applicant must submit a separate application.

- This applicant has a sibling also applying to this controlled enrollment program for the 2024-2025 school year. Sibling acceptance will be based on available space at the receiving school. List sibling information below.

(Student Last Name) (Student First Name) (Middle) (Grade Level in 2023-2024)

(Student ID #) (Date of Birth – Month/Day/Year)

I have read the Onslow County High School Course Selection Guide and understand the process for selection into a Controlled Enrollment Program, that I will be responsible for transportation both to and from the Controlled Enrollment school and that my child must remain enrolled in the program for the entire academic year.

(Parent/Legal Guardian Signature) (Date)

DRIVER'S LICENSE AND ACADEMIC PROGRESS

Access the most current information on the [Onslow County Schools Driver's Education website](#).

Who Is Affected By The Driving Eligibility Certificate Legislation?

Under [NCGS 20-11\(n\)](#), this legislation is directed to all North Carolina students under the age of 18 who are eligible for a driving permit or license. This includes public school, federal school, charter school, home school, private school, and community college students.

Who Is Not Affected By This Legislation?

Students who have attained a high school diploma, a G.E.D., or an adult high school diploma as issued by a community college are not affected by this legislation. In addition, students who received a driving permit or license prior to the Graduated Driver's License program (before 12/1/97) are not affected.

What Is A Driving Eligibility Certificate (DEC)?

A Driving Eligibility Certificate (DEC) is a printed document that is issued by the school principal and/or the principal's designee. The Driving Eligibility Certificate certifies that the student is currently enrolled in school and has demonstrated adequate academic progress toward graduation.

Who Issues Driving Eligibility Certificates?

The principal and/or the Driving Eligibility Certificate (DEC) Representative is responsible for signing and issuing a Driving Eligibility Certificate. A DEC is needed when a student plans to apply for a driving permit or license.

Does This Meet The Family Education Right To Privacy Act (FERPA)?

Yes. The current DEC requires parents, guardians, or emancipated juveniles to provide their written irrevocable consent for a school to disclose to the Division of Motor Vehicles when a student no longer meets the conditions under G.S. 20-11. A Driving Eligibility Certificate cannot be issued without the parent's written consent.

Who Is Not Eligible To Receive A Driving Eligibility Certificate?

Students who are not making adequate academic progress or have dropped out of school. According to [NCGS20-11\(n1\)](#), some students are ineligible to receive a Driving Eligibility Certificate. Students expelled, suspended or placed in an alternative educational setting for more than ten (10) consecutive days for possessing or selling alcohol, illegal or controlled substances on school property; bringing, possessing or using a weapon or firearm on school property, pursuant to [NCGS 115C-391 \(d1\)](#); or assaulting any school personnel on school property are ineligible.

What Are The Requirements For A Driving Eligibility Certificate?

The Driving Eligibility Certificate will be issued only if the student has demonstrated adequate academic progress in the prior semester and has not dropped out of school. Students must not be in violation of [NCGS 20-11\(n1\)](#) as described in the above statement. Students who do not meet these requirements will not be issued a Driving Eligibility Certificate.

What If A Student Has Already Been Issued A Driver's Permit Or License?

The Division of Motor Vehicles will be notified to revoke the driving privileges of students who are not making adequate academic progress or have dropped out of school. This notification of DMV will take place after the parents have been given written notification of the pending action. In addition, DMV will be notified to revoke of driving privileges of students expelled, suspended or placed in an alternative educational setting for more than ten (10) consecutive days for possessing or selling alcohol, illegal or controlled substances on school property; bringing, possessing or using a weapon or firearm on school property, pursuant to [NCGS 115C-391 \(d1\)](#); or assaulting any school personnel on school property.

What Is Adequate Progress?

A student must have passing grades in 70% or more of his or her classes. The 70% relates to passing 3 of 4 courses during the semester. Any semester course load of less than 4 courses will require passing 100% (all) the courses during the semester. Adequate academic progress will be evaluated at the midpoint of the school year (first semester grades) and at the end of the school year.

Are There Hardship Rules?

Yes, principals and/or DEC Representatives will be able to issue Driving Eligibility Certificates to students based on hardship. Students must have already been issued a driver's permit/license in order to request a hardship. Cases of hardship must reflect specific circumstances that are beyond the control of the student, his or her parents, or the school. In all cases of hardship, documented proof must be submitted. The specific hardship circumstances are divided into three categories:

Hardship Guidelines

1. Medical Considerations

- a. Student – Documented proof must be submitted to the school from a doctor (on letterhead) citing reasons why the student missed school, dates of illness, etc.
- b. Parent – Documented proof must be submitted to the school as to the parent's medical illness or impairment. Evidence must demonstrate the absolute necessity of the student to have a driver's license.

2. Work-related Considerations

- a. Student must demonstrate that he/she required transportation to/from a job that is necessary to the family's financial welfare and is unable by any other means to do so.
- b. There should be documented proof that the student is working and that the student's earnings go directly to support the basic needs of the family. In addition, there must be proof that the student is unable by any other means to get to and from work.

3. Exceptional Children Considerations

- a. A DEC can be issued to a student when it has been determined that the student is unable to make progress toward obtaining a diploma/certificate. This ruling is not intended to apply to exceptional students who have the ability to obtain a high school diploma.
- b. Input from the IEP Committee and other sources should help guide in the decision.

2024-2025 NC High School Athletic Association (NCHSAA)

AGE

Student may not participate if he/she becomes 19 years of age on or before August 31, 2024.

ATTENDANCE

Students will forfeit athletic eligibility when unlawful/unexcused absences, out-of-school suspensions, or any combination of unlawful/unexcused absences and out-of-school suspensions during the previous semester exceed ten (10) days. No process will exist to request a waiver of unexcused/unlawful absences or out-of-school suspensions.

Attendance is regulated by local LEA policy in terms of length of day required to be counted in attendance.

ENROLLMENT/RESIDENCE

Student must be a regularly enrolled member of the school's student body. Student must participate at the school to which he/she is assigned by the local board of education. School assignment is based on the residence of the parent or legal custodian (court ordered custody, **not** guardian) within the administrative unit. Student must live with the parents or legal custodian. A **"legal custodian"** is a person or agency awarded legal, court-ordered custody of a child. If no custody order has been entered by a court, the residence shall be deemed to be that of **the parent with whom the student begins the school year's first semester**. A student may not have two residences for eligibility purposes.

Students enrolled at the Onslow Early College or at the Onslow Virtual School are NOT eligible to participate in athletics.

In order for a change of residence to be bona fide, at least the following facts must exist:

1. The original residence must be abandoned as a residence; that is sold, rented or disposed of as a residence and must not be used as residence by any member of the family.
2. The entire family must make the change and take with them the household goods and furniture appropriate to the circumstances.
3. The change must be made with intent that the move is permanent.

NCHSAA TRANSFER POLICY

After initial entry into the ninth grade, and absent a bona fide move as provided in the Residence section of the NCHSAA Handbook:

- a) A student transferring from one-member school to another member school within the same LEA must sit out 2 consecutive semesters, or 365 days, whichever is less, for athletic participation. The LEA may create criteria for immediate athletic eligibility for transfers within the LEA.
- b) A student transferring from one-member school in one LEA to another member school in a different LEA must sit out 2 consecutive semesters, or 365 days, whichever is less, for athletic participation. Exceptions for immediate athletic eligibility for transfers from one LEA to a different LEA will be heard by a special NCHSAA transfer committee.

Transfers within the same administrative unit are governed by the local board of education. A student transferred from one administrative unit to another by mutual agreement, is immediately eligible for athletic participation in the receiving unit, if eligible in all other respects.

Student must be properly enrolled at the member school no later than the 15th day of the present semester and must be in regular attendance at that school. No student may participate at a second school in the same sport in the same sport season except in the event of a bona fide change of residence of the parent(s) or legal custodian. Change of schools must be contemporaneous with change of residence.

MEDICAL REQUIREMENTS

Student must receive a medical examination once every 365 days by a duly licensed physician, nurse practitioner, or physician's assistant. Students absent from athletic practice for five (5) or more days due to illness or injury shall receive a medical release by a physician licensed to practice medicine before re-admittance to practice or contests. No student may be eligible to participate at the high school level for a period lasting longer than eight (8) consecutive semesters, beginning with the student's first entry into ninth grade or participation on a high school team, whichever occurs first.

NCHSAA REGULATIONS

Falsification of information in terms of eligibility will result in the student athlete(s) being declared ineligible for a period of 365 days from the point of notification by the NCHSAA.

No student may participate at the high school level for more than four (4) seasons in a sport (one season per year), i.e. A student could not play fall women's soccer in one state and then play NCHSAA women's soccer in the spring. A student must not be convicted of a felony in this or any other state or be adjudicated as a delinquent for an offense that would be a felony if committed by an adult in this or any other state. A student may not play, practice or be on the roster in any capacity (manager, for example) if ineligible. This does not apply to summer workouts, but the student should be enrolled in school. A student may not dress for a game or scrimmage when he/she is not eligible to participate in the game. If serving an "ejection", student may be in the bench area but may not be in uniform. To maintain amateur status, a student must not accept money or awards having utilitarian value (golf balls, clubs, tennis rackets, etc.) For participation in athletics, a student must not have signed a professional contract or played on a junior college/community college team.

SCHOOL REQUIREMENTS

Each coach must sign off on the eligibility summary form that is signed by the principal and athletic director. A mandatory parent/guardian meeting must be held to have the parent sign the parental permission form to acknowledge eligibility, the Gfeller-Waller Concussion Awareness Act (Session Law 2011-147, House Bill 792) and sportsmanship policies/expectations have been reviewed.

HOME SCHOOL DUAL ENROLLMENT FOR ATHLETICS

1. A home school student is eligible to become dual enrolled and participate in athletics at the high school level in Onslow County Schools only if their domicile is located within the administrative boundaries of Onslow County Schools. Home school students can become dual enrolled and participate in athletics only within the LEA that their unit of residence is located.

2. Home school students must enroll in Onslow County Schools following the enrollment and assignment procedures/policies established by the Onslow County Board of Education (Policy 3102). Additionally, home school students must submit/complete or adhere to the following:
 - a. Must present a home school card from the Division of Non-Public Education for the previous and current years as well as a transcript, attendance record, and record of immunizations.
 - b. Must submit proof that the student has been enrolled in a registered home school for 365 days prior to being eligible to participate in athletics in an Onslow County School.
 - c. Prior to the first date of practice the student must provide a nationally standardized achievement test, taken within the last year, which indicates the overall grade level proficiency of the student. If the grade level indicated by the test is below the grade level for the year it was taken (determined by ninth grade entry date) then the student is ineligible for the current semester.
 - d. Must participate in a class schedule within an Onslow County School that is at least one half of the assigned school's instructional day.
 - e. Must take a minimum of two home school classes each semester that have been preapproved by student's assigned Onslow County School in order to maintain athletic eligibility after the initial semester. Dual enrolled students must continue to meet NCHSAA academic standards of attaining a minimum of three academic credits each semester and must meet Onslow County School's promotion standards at the end of each academic year.
 - f. To maintain athletic eligibility the dual enrolled student must pass all Onslow County School's classes that he/she is enrolled in.
 - g. Once dual enrolled and deemed eligible to participate in athletics at an Onslow County School, the student must maintain continuous dual enrollment. Failure to maintain continuous dual enrollment would render the student ineligible at all NCHSAA member schools for 365 days.
 - h. Home school students must notify in writing the Principal or Principal's designee of their intent to try out for an athletic team at least ten days prior to the first practice date of the sport season they wish to participate in. Eligibility would be pending for this athlete until the enrollment process is verified complete and the athlete has been determined to be eligible. A student who does not meet this ten-day requirement is ineligible for that sport season.
 - Fall Sports Start Date – July 31, 2024
 - Winter Sports Start Date – October 30, 2024
 - Spring Sports Start Date – February 14, 2025
 - i. Dual enrolled students must meet all other applicable NCHSAA rules and Onslow County athletic policies/rules to be eligible for athletic participation at an Onslow County School (e.g. – Age of Player, Eight Semester Rule, Medical Examination, Proof of Residence, Felony Policy, etc.).
 - j. A dual enrolled student in an Onslow County School that transitions to and becomes a fully enrolled student will then be governed by NCHSAA rules regarding fully enrolled students.

FELONY POLICY

Any student who (1) is convicted of a crime classified as a felony under North Carolina or federal law; or (2) is adjudicated delinquent for an offense that would be a felony if committed by an adult, is not eligible to participate in the North Carolina High School Athletic Association sports program. (a) Such ineligibility shall be immediate and shall prohibit participation in the NCHSAA sports program from the date of conviction or adjudication of delinquency through the end of the student's high school career. (b) Appellate or other post-conviction review of the conviction or adjudication of delinquency does not affect the student's immediate ineligibility. (c) "Convicted" and "conviction," for the purpose of this policy, includes the entry of: (1) A plea of guilty; or (2) A plea of no contest, nolo contendere, or the equivalent; or (3) A verdict or finding of

guilty by a jury, judge, magistrate, or other duly constituted, established, and recognized adjudicating body, tribunal, or official, either civilian or military. (4) A person is “convicted” or “adjudicated delinquent” for the purposes of this policy, in North Carolina state courts, the courts of the United States, another state, the armed services of the United States, or another country.

Onslow County Schools Athletic policy further states that: Any student with pending felony charges will not be allowed to participate in any athletic contests until the case is adjudicated or charges are dropped. Furthermore, a student who is actively participating on a school team and has any pending criminal charges (other than minor traffic tickets) filed against him/her will not be allowed to participate in any contests until the case is adjudicated. The head coach, in consultation with the school’s administration, will determine if the student can remain on the team while awaiting adjudication of the case. It is the responsibility of any student who has any pending criminal charges (other than minor traffic tickets), or is on probation, or is in the deferred prosecution program, to notify his/her coach of the violations and any subsequent disciplinary action stemming from those legal proceedings.