High School
Program Planning Guide
2022-2023

Wake County High Schools

WAKE COUNTY
PUBLIC SCHOOL SYSTEM

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Welcome to that exciting time of year when you choose the courses you will take during the upcoming school year.

The Wake County Public School System's high school program provides students many options based on their career goals, needs, and individual interests. Students may choose from a wide array of courses and programs. Choices that students make in high school impact the options they have for future education and job opportunities after high school.

Students may select courses from Arts Education, Career and Technical Education, English Language Arts, English as a Second Language, Healthful Living, JROTC, Mathematics, Media Services, Science, Social Studies, and World Languages.

Students must meet all course, credit, and test requirements to earn a high school diploma. Courses are designed to prepare students for postsecondary opportunities from entry-level career options to highly technical fields, from community colleges to four-year colleges and universities. Students are expected to pursue the most challenging course of study in which they can be successful.

This planning guide is provided to assist students and their parents or court-appointed custodians in the planning and registration process. It is the responsibility of all students and their parents or court-appointed custodians to help make sure that students are registered for the courses they need in order to meet graduation and college or university admissions requirements.

Wake County Public School System High Schools

Apex High School	Middle Creek High School
Apex Friendship High School	Millbrook High School
Athens Drive High School	North Wake College & Career Academy
Broughton High School	Panther Creek High School
Cary High School	Rolesville High School
Crossroads FLEX	Sanderson High School
East Wake High School	SCORE Academy
Enloe High School	Southeast Raleigh High School
Fuquay Varina High School	South Garner High School
Garner High School	Vernon Malone College & Career Academy
Green Hope High School	Wake Early College of Health & Sciences
Green Level High School	Wake Early College of Information & Biotechnologies
Heritage High School	Wake Forest High School
Holly Springs High School	Wake STEM Early College
Knightdale High School	Wake Young Men's Leadership Academy
Leesville Road High School	Wake Young Women's Leadership Academy
Longview School	Wakefield High School
Mary E. Phillips High School	Willow Spring High School

The following pages of the planning guide provides general information about the high school registration process in the Wake County Public School System.

General Information

Graduation Requirements

The high schools of the Wake County Public School System primarily utilize a 4 by 4 block schedule. Broughton, Enloe, Garner, Millbrook, and Southeast Raleigh high schools operate on a four-period A/B Day schedule. These schedules allow students to earn eight credits each year of high school. The chart below lists the number of credits required for graduation for each high school as well as any additional graduation requirements.

High School	Schedule	Number of Credits Required For Graduation	Additional Graduation Requirements
Apex	4x4 Block	26	
Apex Friendship	4x4 Block	26	
Athens Drive	4x4 Block	26	
Broughton	A/B Day	26	100 hours of community service (25 per year)
Cary	4x4 Block	26	
Crossroads FLEX	4x4 Block	26	
East Wake	4x4 Block	26	
Enloe	A/B Day	26	
Fuquay Varina	4x4 Block	26	
Garner	A/B Day	26	
Green Hope	4x4 Block	26	
Green Level	4x4 Block	26	
Heritage	4x4 Block	26	
Holly Springs	4x4 Block	26	
Knightdale	4x4 Block	26	
Leesville Road	4x4 Block	26	
Longview	4x4 Block	22	
Middle Creek	4x4 Block	26	
Millbrook	A/B Day	26	
North Wake CCA	4x4 Block	22	
Panther Creek	4x4 Block	26	
Phillips	4x4 Block	22	
Rolesville	4x4 Block	26	
Sanderson	4x4 Block	26	
SCORE Academy	4x4 Block	22	
South Garner	4x4 Block	26	
Southeast Raleigh	A/B Day	26	
Vernon Malone CCA	4x4 Block	22	
Wake Early College of Health & Sci	4x4 Block	22	
Wake Early College of Info & Biotechnology	4x4 Block	22	
Wake Forest	4x4 Block	26	
Wake STEM Early College	4x4 Block	22	
Wake Young Men's Leadership	4x4 Block	22	
Wake Young Women's Leadership	4x4 Block	22	
Wakefield	4x4 Block	26	
Willow Spring	4x4 Block	26	

Students following the Occupational Course of Study at all high schools must complete 22 credits, required work hours, and present a career portfolio to earn a full diploma. Students entering the 9th grade in 2014-15 or later must earn a total of 600 work hours. The Occupational Course of Study is available at all WCPSS high schools except North Wake College & Career Academy, Phillips, Vernon Malone College & Career Academy, Wake Early College of Health & Sciences, Wake Early College of Information & Biotechnologies, Wake STEM Early College, Wake Young Men's Leadership Academy, and Wake Young Women's Leadership Academy.

Students must satisfy all course, credit and testing requirements for at least one diploma type in order to earn a diploma and must meet the graduation requirements that were in effect the year they entered ninth grade for the first time. A chart listing specific course requirements for graduation can be found on page 7.

NC Math I is a graduation requirement for all students. The only exception to this requirement is for students that have an Individual Education Program (IEP) that identifies them as Learning Disabled (LD) in math and states that the disability will prevent them from mastering the mathematical content in Math I and above. Once a student is exempt, the exemption holds until the student exits public school. Documentation of the exemption will be written in a present level of performance statement on the student's IEP.

Students who complete all graduation requirements receive a diploma.

Endorsements

Beginning with the graduating class of 2014-15, students have the opportunity to earn Endorsements to their High School Diploma (GRAD-007). Students must meet all requirements set forth in State Board Policy GRAD-004: State Graduation Requirements related to earning a high school diploma. Endorsements identify a particular area of focused study for students. Students may earn a Career Endorsement, a College Endorsement, a Global Languages Endorsement, and/or a North Carolina Academic Scholars Endorsement. The requirements for each type of endorsement are listed on the following pages.

Career Endorsement Requirements
- Except as limited by NCGS §115C-81(b), the student shall complete the Future-Ready Core mathematics sequence. Acceptable fourth math courses for the Career Endorsement include any math course that may be used to meet NC high school graduation requirements including applied math courses found in the Career & Technical Education (CTE) domain.
- The student shall complete a CTE concentration in one of the approved CTE Cluster Areas.
- The student shall earn an unweighted grade point average (GPA) of at least 2.6.
- The student shall earn at least one industry recognized credential. Earned credentials can include Career Readiness Certificates (CRC) at the silver level or above from WorkKeys assessments or other appropriate industry credential/certification.

College Endorsement Requirements
Option #1
- The student shall complete Future-Ready Core mathematics sequence. The fourth math course must meet the University of North Carolina system Minimum Admission Requirements or be acceptable for earning placement in a credit-bearing math class under the North Carolina Community College System's Multiple Measures Placement Policy.
- The student shall earn an unweighted GPA of at least 2.6.
Option #2
- The student shall complete the Future-Ready Core mathematics sequence and a fourth math course that meets the University of North Carolina Minimum Admissions Requirements that include a mathematics course with either Algebra II, Math III, or Integrated Mathematics III as a prerequisite.
- The student shall complete three units of science including at least one physical science with a lab, one life science, and one additional science course.
- The student shall complete US History or equivalent coursework.
- The student shall complete two units of a world language (other than English).
- The student shall earn a weighted GPA of at least 2.5.

Global Languages Endorsement
- The student shall earn a combined unweighted GPA of 2.5 or above for the four English Language Arts courses required for graduation.
- The student shall establish proficiency in one or more languages in addition to English, using one of the options outlined below in accordance with the guidelines developed by the North Carolina Department of Public Instruction:
  - Pass an external exam approved by the North Carolina Department of Public Instruction establishing "intermediate low" proficiency or higher per the American Council on the Teaching of Foreign Languages (ACTFL) proficiency scale.
  - Complete a four-course sequence of study in the same world language, earning an overall unweighted GPA of 2.5 or above in those courses.
  - Establish "intermediate low" proficiency or higher per the ACTFL proficiency scale using the Credit by Demonstrated Mastery SBE policy.

- Limited English Proficient students shall complete all the requirements of the two bullets above and reach "developing" proficiency per the World-Class Instruction Design and Assessment (WIDA) proficiency scale in all four domains on the most recent state identified English language proficiency test.

North Carolina Academic Scholars Endorsement

Students who complete the requirements for this academically challenging high school program are named North Carolina Academic Scholars and receive special recognition. Students must:
- Complete all the requirements of the North Carolina Academic Scholars Program (see chart below)
- Have an overall four-year unweighted GPA of 3.5 or higher.
- Complete all requirements for a North Carolina high school diploma.

Content Area	Credits	Courses
English	4	English I, II, III, IV
Math	4	NC Math I, II, III, and a higher-level math course with NC Math 3 as a prerequisite
Science	3	Physics or Chemistry, Biology, and Earth/Environmental Science
Social Studies	4	Graduation Requirements for those entering between 2014-15 and 2019-20: World History, American History I & II, and American History: Founding Principles, Civics, & Economics Graduation Requirements for those who entered 9th grade in 2020-21: World History, A Founding Principles course (either Civics & Economics or Civic Literacy), an American History course, Economics and Personal Finance Projected Graduation Requirements for those who enter 9th grade in 2021-22: World History, Civic Literacy, American History, Economics & Personal Finance
Healthful Living	1	Healthful Living I
Electives	6	Two (2) elective credits in a second language required for the UNC System; Four (4) elective credits constituting a concentration recommended from one of the following: Career & Technical Education (CTE), JROTC, Arts Education, Second Languages, and other subject areas
	3	Three higher level courses taken during the junior and/or senior years which carry 4.5 or 5 quality points such as: AP/IB, Dual enrollment or college equivalent courses, online courses, other hors or above designation courses
	or	
	2	Two higher level courses taken during the junior and/or senior years which carry 4.5 or 5 quality points such as: AP/IB, Dual enrollment or college equivalent courses, online courses, other hors or above designation courses **AND** Completion of the NC Graduation Project
Total Credits		**25 or 24+ NCGP**

Where any conflicts may exist between this document and the State Board of Education Policy GRAD-007 regarding Endorsements, the State Board Policy will take priority.

Graduation Requirements Chart

Content Area	For Ninth Graders Entering in 2013 or later FUTURE-READY CORE	For Ninth Graders Entering 2017 or later OCCUPATIONAL COURSE OF STUDY
English	**4 Credits** English I, II, III, IV	**4 Credits** English I, II, III, IV
Mathematics	**4 Credits** NC Math 1, NC Math 2, NC Math 3, and a 4th Math Course to be aligned with the students' post high school plans. *In the rare instance a principal exempts a student from the FRC math sequence, the student would be required to pass NC Math 1 and NC Math 2 and two other application-based math courses.*	**3 Credits** Introduction to Mathematics, Algebra 1 (NC Math I), Financial Management
Science	**3 Credits** A physical science course, Biology, Earth/Environmental Science	**2 Credits** Applied Science, Biology
Social Studies	**4 Credits** Entering high school Fall 2019 or before: World History (or AP World History), American History: Founding Principles: Civics & Economics (or Civic Literacy), AND American History I, American History II (or AP US History & 1 additional social studies elective) Entering high school Fall 2020: In addition to the requirements for students entering in Fall 2019 or before, students must also earn a credit in Economics & Personal Finance. Entering high school Fall 2021 or after: World History (or AP World History), Founding Principles of the US/NC: Civic Literacy, American History (or AP Us History), and Economics & Personal Finance.	**2 Credits** Students Entering 9th grade prior to 2017-2018 - American History I AND American History II Students Entering 9th grade for the first time in 2017-2018 – American History I or American History II AND American History: Founding Principles, Civics & Economics Students Entering 9th grade for the first time in 2020-2021 and beyond - Founding Principles of the United States of America and North Carolina: Civic Literacy or American History: Founding Principles, Civics & Economics AND Economics and Personal Finance
World Language	**2 Credits** are required to meet Minimum Application Requirements for the UNC System.	Not Required
Health & Physical Education	**1 Credit** Healthful Living I Successful Completion of CPR requirement outlined in NCGS 115C-81.	**1 Credit** Healthful Living I Successful Completion of CPR requirement outlined in NCGS 115C-81.
Specific Electives	**6 Credits Required** **2 elective credits of any combination from either:** - Career & Technical Education (CTE) - Arts Education - World Languages **4 elective credits strongly recommended (four course concentration) from one of the following:** - Career & Technical Education (CTE) - JROTC - Arts Education (e.g., dance, music, theatre, visual arts) - Any other subject area (e.g., mathematics, science, social studies, English, or cross-disciplinary)	**6 Credits** Employment Prep I, II, III, IV Completion of Work-Based Hours as follows: ***Students Entering 9th Grade 2014 or later: 600 Hours*** School-Based Vocational Training = 150 Hours Community-Based Vocational Training = 225 Hours Competitive Paid Employment = 225 Hours Completion and presentation of a Career Portfolio containing all the required components.
Career & Technical Education		**4 Credits** CTE Electives
Additional Electives	**4 Credits**	
Total	**26 Credits**	**22 Credits**

Reference: NC State Board of Education Policy GRAD-004, State Graduation Requirements

Scheduling High School Courses for Middle School Students

As outlined in State Board of Education Policy CCRE-001, students in grades 6-8 have the opportunity to earn high school credit while in middle school. The Wake County Public School System has determined that the following courses will be available to middle school students.

Please note that teacher-led courses taught for high school credit at the middle school may require specific teacher certification.

Course Name	Course Code if Offered on NCVPS	Course Code if Offered at Middle School or WCPSS Online
English / Language Arts		
English I *	10212Y0V	10212Y0
Mathematics		
NC Math 1	21092Y0V	21092Y0
NC Math 2 *	22092X0V	22092Y0
NC Math 3 *	23092X0V	23092Y0
Precalculus *	24032Y0V	24032Y0
World Languages		
French I	11012Y0V	11012Y0
Spanish I	11412Y0V	11412Y0
French II	11022Y0V	11022Y0
Spanish II	11422Y0V	11422Y0

If schools are unable to accommodate the scheduling of the courses as teacher-led courses, then the courses may be taken online via NCVPS. (See chart for details). **Math courses can be substituted for grade level math courses.**

Course codes for high school courses available for middle school students are noted above in the chart. These are the only courses that middle school students are eligible to take for high school credit.

High school courses taken at the middle school level will be placed on the high school transcript. Grades will show as the grade earned. High school courses taken in middle school will count as credits toward high school graduation but will not be counted as a part of the student's high school grade point average (GPA).

* Middle school students do not receive honors credit; however, it is recommended that the student take NC Math 2 and NC Math 3 and English I at the honors level so that they are prepared for the next learning.

High School Courses for Middle School Students: Frequently Asked Questions (FAQ)

1. **Will the grades earned in high school courses taken in middle school appear on the high school transcript?**
    Yes. The grade will be listed on the transcript under Grades 6, 7, or 8 with one unit of credit.

2. **Will the grade earned be included in the student's grade point average (GPA)?**
    No. Only courses taken during the high school years will be included on the student's grade point average.

3. **Can a student repeat a course for credit at the high school level?**
    Students are permitted to repeat a course to build a stronger foundation for future learning. Students wishing to do this should make a written request to their principal or principal's designee. When students choose this option, please note:
    *   Students will receive a numerical grade and both grades will appear on the high school transcript.
    *   Only grades earned in high school are included in a student's high school GPA.
    *   Students retaking a course that they previously passed to build a stronger foundation will not receive elective credit for the second attempt with the course.
    *   Students repeating a course for credit will take any associated End-of-Course (EOC) assessment. Those students who have already scored at Level 3, 4, or 5 on the associated EOC assessment may elect to retake the EOC or use the previous passing score as 20% of their final grade. If the student retakes the EOC, the higher of the two scores will be used in the calculation of the final grade.

4. **Do exploratory world language classes (6th Grade, 9 week) count toward earning high school credit?**
    No. Exploratory or Introductory world (foreign) language classes do not count toward earning high school credit due to the limited amount of instructional time.

5. **Which world language course(s) must students successfully complete in order to earn one unit of high school credit?**
    Successful completion of all courses included in the Level I curriculum series.

6. **Are students required to take a final exam for world language course(s)?**
    Yes, a district final exam will be given after the completion of the Level I curriculum courses. The final exam counts as 20% of the student's final grade.

7. **Is there a math placement exam?**
    No. Students who successfully complete mathematics courses may be placed in the next level of mathematics based on middle school math placement guidelines.

8. **Are students required to take a standard exam for math course(s)?**
    Students taking NC Math 1 must take the NC Math 1 End-of-Course (EOC) test which counts as 20% of their final grade. Students taking NC Math 3 must take the NC Math 3 End-of-Course (EOC) test which counts as 20% of their final grade. Students taking other high school math courses will take a teacher-made exam that counts as 20% of their final grade.

9. **Is there an English Language Arts placement exam?**
    No. Students who successfully complete English Language Arts courses may be placed in the next level of English Language Arts based on middle school ELA placement guidelines.

10. **Are students required to take a standard exam for ELA course(s)?**
    Students taking English I must take a final exam which counts as **20%** of their final grade

University of North Carolina System: Minimum Admission Requirements

The UNC Board of Governors recently adopted a time-limited policy provision that allows a student to meet minimum eligibility requirements for admissions consideration. A student who earns at least a 2.5 weighted high school grade point average OR a minimum test score on either the ACT (19) or the SAT (1010) is eligible for review by any of the 16 UNC System universities. A student must still take either the ACT or the SAT to be considered for admission. All applicants must submit a valid score as part of their application to any individual institution. Please note that while these are the minimum requirements for consideration, they do not guarantee acceptance.

UNC System Minimum Admission Requirements
Six (6) Credits in **language**, including: • Four (4) credits in English emphasizing grammar, composition, and literature, and • Two (2) credits in a language other than English
Four (4) credits in **mathematics** in any of the following combinations: For students entering high school prior to 2012-2013 • Algebra I and II, Geometry, and one credit beyond Algebra II • Algebra I and II, and two credits beyond Algebra II, or • Integrated Mathematics I, II, and III and one credit beyond Integrated Math III For students entering high school in 2012-2013 and beyond: • NC Math 1, NC Math 2, NC Math 3, and one credit beyond NC Math 3 It is recommended that prospective students take a mathematics credit in the 12th grade.
Three (3) credits in **science**, including: • At least one (1) credit in a life or biological science (for example, Biology), • At least one (1) credit in a physical science (for example, physical science, chemistry, physics), and, • At least one (1) laboratory course
Two credits in **social studies**, including, • One (1) credit in United States History An applicant who does not have a credit in US History may be admitted on the condition that at least three (3) semester hours in the subject will be passed by the end of the sophomore year.

Reference: UNC Minimum Admission Requirements

Promotion Requirements

High school students shall be promoted by attaining credits that are earned through successful completion of specific courses as illustrated in the following charts. Note that the appropriate English credit is required for promotion each year.

Apex, Apex Friendship, Athens Drive, Broughton, Cary, Crossroads FLEX, East Wake, Enloe, Fuquay-Varina, Garner, Green Hope, Green Level, Heritage, Holly Springs, Knightdale, Leesville Road, Middle Creek, Millbrook, Panther Creek, Rolesville, Sanderson, Southeast Raleigh, South Garner, Wake Forest, Wakefield and Willow Spring High Schools.

From Grade	Promotion Criteria	Credits
9	English I; two credits in the areas of mathematics, social studies, or science; and three additional credits	6
10	English II; one credit in mathematics; one credit in social studies; one credit in science; and two additional credits	12
11	English III; enrollment in a program which, if successfully accomplished, will result in the completion of graduation requirements	18

Longview, North Wake College & Career Academy, Phillips, SCORE Academy, Vernon Malone College & Career Academy, Wake Early College of Health & Sciences, Wake Early College of Information and Biotechnologies, Wake STEM Early College, Wake Young Men's Leadership Academy, Wake Young Women's Leadership Academy

From Grade	Promotion Criteria	Credits
9	English I; two credits in the areas of mathematics, social studies, or science; and one additional credit	4
10	English II; one credit in mathematics; one credit in social studies; one credit in science	8
11	English III; enrollment in a program which, if successfully accomplished, will result in the completion of graduation requirements	14

Students should check with their counselors for information on additional promotion requirements.

Reference: WCPSS Board Policy 3420, Student Promotion & Accountability

Course Requirements

Course Loads

In the high schools, each student shall carry a course load equal to the number of instructional periods in the school day, unless special permission is given to the student by the principal. Students approved for Career & Technical Cooperative Education programs or for dual enrollment in post-secondary schools are exempt from this policy.

Course Selection

No two required English courses may be taken concurrently except in extenuating circumstances as approved by the principal.

Each student served by the Wake County Public School System may request any course listed in this program guide. The system has the potential of offering each course, subject to sufficient minimum student enrollment and adequate staffing and materials. Additionally, due to facility limitations, some courses can be taught only in certain schools. A student who wants to pursue a program of study not available in the school to which he/she is assigned should request a transfer through the Office of Student Assignment. Students granted a transfer for course selection must provide their own transportation.

Course Withdrawal Penalty

Students are not allowed to drop a course after the first ten days of school. If a student withdraws after the ten-day period, a failure (WF) is noted as the grade and the course is counted as a course attempted with no quality points earned. This action will result in a lower grade point average for the student.

Grades, Grade Point Average (GPA), Class Rank & Honors

Grading System

The grading system for all WCPSS high schools is established in WCPSS School Board Policy 3400 R&P. Quality points for students entering 9th grade in 2015-16 and beyond are as follows:

Letter Grade	Standard Course	Honors Courses	AP 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

Students will receive one extra quality point for Community College courses approved by the Comprehensive Articulation Agreement (CAA). Independent college and UNC system courses will also earn one extra quality point. Official AP and IB courses will earn one extra quality point.

Students in selected Project Lead the Way courses will earn one extra quality point. Extra weighting is indicated in the course description.

Reference: NC State Board Policy GRAD-009 (section 3)

Grading Scale

The following grading scale applies to all high school courses.

A = 90-100	B = 80-89	C = 70-79	D = 60-69
F = less than 60	I = Incomplete	WP = Withdraw, no penalty	WF = Withdraw, with penalty

Grading Period, Interims, and Report Cards

Report cards are issued to students every nine weeks. Per WCPSS School Board Policy 3400, interim reports will be issued to all students at the midpoint of each quarter.

Final Exams & NC Assessment Requirements

As outlined in WCPSS Board Policy 3410, the Wake County Board of Education believes that an effective testing and assessment program evaluates the progress of individual students and helps ensure that educational goals and objectives are being met for every child. A testing and assessment program also assists in the continued refinement of the instructional program.

High school students must take all end-of-course (EOC) tests, Career & Technical Education state assessments (CTE Post-Assessments), and other tests as required by the State Board of Education. The results of EOC and CTE post-assessment exams will count as 20 percent of a student's final grade in each high school course for which there is an EOC test or CTE Post-Assessment. This requirement does not apply to EOC tests for students following the Occupational Course of Study. In courses without a state assessment, the final exam will also count as 20 percent of the student's final grade.

In 2022-2023, EOC tests will be administered in the following courses: NC Math 1, NC Math 3, Biology, English II.

For the 2022-2023 school year, students in Grade 12 can be exempt from non-state exams and field tests based on the following criteria: Students who have a projected final course average of C or higher are eligible to be exempt. Absences will not be considered in determining exemption status for the 2022-2023 school year. The principal has final authority to determine a student's exemption status.

Grade Point Average (GPA)

A student's grade point average (GPA) is calculated by adding all quality points earned while in high school (grades 9-12) and dividing by the number of courses taken. The weighted GPA includes any additional quality points earned by taking Honors/AP/IB courses, while the unweighted GPA does not include any additional quality points. Courses that are assigned Ps and credits earned via Credit by Demonstrated Mastery (CDM) do not count towards the overall GPA. Students who have questions about how their GPA is calculated should meet with their counselor.

Class Rank

There shall be periodic compilations of class rankings in high school for the purpose of making an individual student's class rank available to the student, his/her parent, and to other institutions, such as colleges/universities for the purpose of college / university admission and/or scholarships.

To determine class rank, each high school uses final course grades, dividing the total number of quality points divided by the total number of credits attempted. The results are rounded to the fourth decimal place. Advanced Placement and International Baccalaureate courses, Community College courses included on the most recent Comprehensive Articulation Agreement Transfer List, and courses taught at four-year universities and colleges carry one (1.0) extra quality point. Honors courses carry one-half (0.5) extra quality point. This program guide designates courses with weighted credit with an "AP" or "HN." To obtain information about which courses carry weighted credit, as well as general information about class rank, students should consult with their counselors.

A Senior Honors rank is calculated and awarded in accordance with Policy 3450, Class Rankings. For students graduating at the end of eight semesters, all high schools will determine senior honors using the GPA at the end of the 1st semester of the graduating year (semester 7). If any student believes that their last semester courses will impact their honors status, they can request that the school review their transcript and final grades. If final semester grades are likely to result in a new / different recognition, the school will honor that recognition. Please note that updates to honors status will only be able to be changed in the graduation program up until a certain date as those are printed well before graduation. No student who earns graduation honors will have their status altered if their final GPA falls in the last semester of study. For students graduating midyear, the school will use this same system for determining graduation honors using the weighted GPA from the last completed semester of study. The principal shall have final approval of honors designations.

Latin Honors

Beginning in 2018-19, the WCPSS will designate the following senior honors in lieu of naming a Valedictorian or Salutatorian:

1. Students with a 3.75 - 3.99 weighted grade point average shall receive the distinction of cum laude.
2. Students with a 4.0 - 4.249 weighted grade point average shall receive the distinction of magna cum laude.
3. Students with a 4.25 or higher weighted grade point average shall receive the distinction of summa cum laude.

Reference: WCPSS School Board Policy 3450, Class Rankings

Transfer Credit

Students transferring into a WCPSS high school from another school (public or private, a home school, or an alternative school) may receive credit toward graduation for courses successfully completed in the sending school.

Students transferring from a non-magnet WCPSS school to another WCPSS school will receive:
- Credit for all courses approved by the sending school.
- Weighted credit for all courses designated as Honors and AP by the sending school.

Students transferring from a magnet WCPSS school to another WCPSS school will receive:
- Credit for all courses approved by the sending school.
- Weighted credit for all courses designated as Honors or AP in the non-magnet WCPSS High School Program Planning Guide that was in effect for the year the courses were taken or the magnet planning guide for the receiving magnet school.

Students transferring from another public-school system or from a charter school into WCPSS will receive:
- Credit for all courses approved by the sending school.
- Weighted credit for all courses designated by the sending school system as Honors or AP only if comparable courses are designated Honors or AP in the non-magnet WCPSS High School Program Planning Guide that was in effect for the year the courses were taken.

Students transferring from a non-public school accredited by one of the six regional accrediting associations* into the WCPSS will receive:
- Credit for all courses approved by the sending school.
- Weighted credit for all courses designated by the sending school system as Honors or AP only if comparable courses are designated Honors or AP in the non-magnet WCPSS High School Program Planning Guide that was in effect the year the courses were taken.

Upon review and approval by the principal, students transferring into a WCPSS school from a non-public school not accredited by one of the six regional accrediting associations* or from a home school may receive credit toward graduation for courses successfully completed in the non-accredited, non-public school according to the following guidelines:
- Documentation must be provided to the receiving WCPSS School by the sending school as to the course of study the student followed, materials used, work samples, total number of contact hours per course, and scores of any standardized tests the student has taken.
- Grades will be recorded as "Pass" (P) or "Fail" (F) and will be identified on the transcript as non-WCPSS grades.
- Grades and credits will not be included in the calculation of GPA or class rank.

Per Wake County School Board Regulation Code 5535.7 R&P, students reentering a WCPSS school after being long-term suspended, suspended for 365 days, or expelled from the Wake County Public School System may earn credits toward graduation and/or promotion to the next grade for courses successfully completed during the period of suspension while enrolled in a private school, an institution of higher education, or a homeschool program. The principal will review the student's record as provided by the sending school to determine if credit should be granted for the courses successfully completed. If credit is granted:

- Grades will be recorded as "Pass" (P) or "Fail" (F).
- No quality points will be awarded for credits earned while the student is suspended or expelled from WCPSS.
- Credits will not count as credits attempted for purposes of calculating the student's GPA and class rank.
- The student will not be eligible for any school recognition or honor which is determined by the student's cumulative GPA or class rank.

To the extent possible, students who transfer among schools in Wake County or who transfer into the WCPSS in the middle of an academic year will be enrolled in courses that are similar to those in which they had been enrolled at their previous school. In the event that, due to course offerings in the new school, a student is unable to enroll in a course that is similar to one in which he or she had been enrolled, the student will be given the opportunity to enroll in an alternate course that will not result in the denial of credit to the extent practical in the school setting; for example, if the student can "catch up" in class or perform adequately without having completed the first part of the class. Determination of credit for transfer students will be based on a review of individual circumstances. The school system does not guarantee course credit if a student is unable to complete a course due to a transfer.

Middle States, New England, North Central, Northwest, Southern, and Western Associations

Transcripts

WCPSS high schools use the College Foundation of North Carolina (CFNC) Electronic Transcript as the primary method of sending senior transcripts to institutions of higher education in North Carolina. All North Carolina colleges, universities and community colleges accept the CFNC Electronic Transcript. These transcripts are free to current seniors and are sent within one day of the request through the student CFNC account online. More information can be found at www.cfnc.org.

WCPSS high schools provides each currently enrolled high school student access to official transcripts at no charge. After receiving written permission from the parent for students under the age of 18, these transcripts will be sent to any college, university, or organization requested.

Transcripts may be requested online via your high school's website or https://wcpss.scriborder.com.

In addition to the initial transcripts, there is no charge for the following:
- Mid-year senior year transcript
- Final transcript after graduation
- Transcript for any scholarship or award requested by the high school scholarship committee. Consult your school counselor or registrar for more information on sending transcripts.

Graduation Options

Early Graduation (Six Semesters or Less)

For graduation prior to one's class, a student must:
a) Show satisfactory mastery of high school academic skills and concepts;
b) Show a need for early graduation; and,
c) Meet the graduation course and testing requirements that were effective for the year he/she entered 9th grade for the first time.

Procedures for early graduation include:
a) The parent(s) / court appointed custodian(s) of a student may request early graduation for the student by filing a written request with the school principal at least 30 days prior to the beginning of the student's last semester of enrollment.
b) The principal with a committee of local school staff considers the request and approves or denies graduation prior to one's class on an individual case-by-case basis subject to the criteria stated above.

Students who plan to complete college admissions requirements early in their high school career are encouraged to meet with their school counselor regarding college opportunities. If a student has met requirements through the early graduation planning process and the school issues a diploma accordingly, the student will not be eligible to return to a WCPSS high school.

Mid-Year Graduation (After Seven Semesters)

Seniors who wish to graduate at the midpoint of their senior year through acceleration, will need to consult with their school counselor regarding graduation credits and all local requirements prior to the beginning of the seventh semester. If a student is approved for midyear graduation and schedules have been adjusted accordingly, the decision to graduate after seven semesters becomes binding. Mid-year graduates will not be eligible to participate in school events or activities as a student during spring semester. The principal may grant a mid-year graduate permission to participate in June graduation ceremonies.

Program Details

Drivers Education

Drivers Education is offered through a private contractor during after-school hours, holidays, and summer months. Enrollment information is available from site coordinators in each high school.

NCAA Eligibility Requirements

The NCAA has established a central clearinghouse to certify athletic eligibility to Division I and Division II institutions. Students who intend to participate with or without a scholarship as a freshman in college must register with and be certified as eligible by the NCAA Eligibility Center. Please note that initial eligibility certification pertains only to NCAA requirements for participation in Division I or II athletics and has no bearing on admission to a particular Division I or II institution. Please note the following:

- It is best to register at the beginning of your sophomore year.
- Register online at www.eligibilitycenter.org. For Division III, contact your Division III college regarding its policies on financial aid, practice and competition.
- For the latest NCAA Division I or II requirements and current NCAA approved course lists, go to www.eligibilitycenter.org.

Programs for Exceptional Students

Students who meet state criteria for Special Education are eligible for special services. After the required evaluations have been completed by the appropriate staff, an Individual Education Program (IEP) is developed by an IEP Team that considers each student's strengths and weaknesses. The IEP is a document that specifically states the services a student receives, their goals and objections, and addresses high school transition planning. Special Education courses are included in the Course Descriptions section of this guide.

Special Education services are provided to an identified student with special needs within the following continuum:
- Special education/related services are provided in a regular classroom.
- Special education/related services are provided part time in a setting outside the regular classroom.
- Special education/related services are provided full time in a setting outside the regular classroom.

For more information about these programs, students should see their counselors.

Study Abroad

For a student to take courses abroad and receive high school credit in Wake County, careful planning based on outlined procedures is required. Credit may be given for those courses that have substantial equivalency to a Wake County high school course in content and hours as documented by a syllabus from the school.

Grades will be recorded in accordance with Board Policy 3460 R&P. A notation of "Pass" (P) or "Fail" (F) will be made on the permanent record. This procedure, while resolving the problem of incompatible grading systems, may affect a student's ability to qualify as a "North Carolina Academic Scholar" and other academic recognitions.

A. Responsibilities of the Student
1. File "Request for Credit for Study Abroad" by July 1 of the year preceding the proposed study; approval cannot be granted until the student submits a copy of the syllabus of the course(s) for which credit is requested. The hours of study and grading system in the course(s) must be included.
2. Notify his/her principal and receive approval for any course changes by December 31 of the year prior to his/her study abroad.
3. Mail to his/her Wake County high school a copy of the first semester grade report received on approved courses.
4. Schedule and take required End-of-Course tests and teacher examinations of the Wake County course(s) for which substitution is to be made. This requires the student to be available one week prior to graduation from high school (June   or August graduation is available).
5. Notify the school of any changes in permanent address and telephone numbers.

B. Responsibilities of the School
1. Approve or deny "Request for Credit for Study Abroad" no more than two weeks after course syllabus is presented.
2. Administer required End-of-Course tests and teacher examinations to students.
3. Enter an E-1 on the last day of school on the principal's monthly report for students studying abroad.

North Carolina Virtual Public School (NCVPS)

A student requesting to be enrolled in a district-approved online for credit course must meet with his/her school counselor to discuss online learning opportunities and determine eligibility. Once eligibility is determined, the student, along with his/her parent/guardian must submit a signed Online Course Enrollment Form to his/her school counselor for principal approval.

Course options and logistics around online learning is governed by WCPSS Board Policy 3102 and its related R&P.

Credit Recovery vs Repeating a Course for Credit

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

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

When a student is repeating a course for credit, the following apply:
- Students will receive a numerical grade and both grades will appear on the high school transcript.
- For students who initially fail a course and repeat the full course and earn a passing grade:
  - Prior to 2015-16, both grades will count towards GPA calculation.
  - Beginning in 2015-16, the new course grade will replace the failing grade in GPA calculation.
- For students who passed the course with minimal proficiency and are retaking it to build a stronger foundation:
  - Students will receive a numerical grade and both grades will appear on the high school transcript.
  - Both grades will count towards GPA calculation.
  - Students will not receive credit towards graduation for the second attempt with the course.
- Only grades earned in high school are included in a student's high school GPA.
- Students will take any associated End-of-Course (EOC) assessment. Those students who have already scored at Level 3, 4, or 5 on the associated EOC assessment may elect either to retake the EOC or use the previous passing EOC score as 20% of their final grade. If the student retakes the EOC, the higher of the two scores will be used in the calculation of the final grade.

Alternative Programs of Study

Academically or Intellectually Gifted Services

Academically or Intellectually Gifted (AIG) students may be identified in English/Language Arts, mathematics, or in both areas. Students who qualify for the AIG program are served through self-selected courses within specified Honors and/or AP English classes and/or in specified advanced level mathematics courses. These courses are designed to provide challenges and appropriate instruction for very capable students through more frequent use of higher-level skills and concepts and development of advanced, independent research projects.

Advanced Placement Program

The Advanced Placement (AP) Program offers students the opportunity to engage in rigorous college-level course work in a high school setting. AP courses support students in cultivating important skills and habits of mind that are essential for college and career readiness. Additionally, students may receive higher consideration for admission to colleges and universities, as well as possible college or university course credit and/or placement. WCPSS offers numerous AP courses throughout the district in the areas of Arts Education, World Languages, English Language Arts, Science, Mathematics, and Social Studies, and others. Specific course offerings vary from school to school.

Dual Enrollment Opportunities

As outlined in Policy 3101, in its effort to provide a rigorous expanded curriculum that will adequately prepare students for future education and workplace endeavors, the Wake County Board of Education will support high school students who wish to enroll in an appropriate college course or combination of college courses outside the Wake County Public School System for high school credit. Principals shall award dual credit according to the Career & College Promise program guidelines established by the North Carolina Department of Public Instruction (NCDPI). Only courses that articulate to courses included in the Dual Credit Chart will be considered for credit on the high school transcript.

Any student who is dually enrolled must continue to be present at a WCPSS school for a minimum of 50% of the instructional day. The parent or guardian of the high school student must give permission for the course to be taken and then student and parent/guardian must complete the WCPSS dual enrollment form prior to enrolling in the course. Enrollment of a student in a course is the responsibility of the student and parent/guardian. The course must be approved in advance by the principal using the dual enrollment form.

General Policies, Eligibility Guidelines, and Application Process
1. The course must be part of the student's comprehensive course of study.
2. The course must provide opportunities not currently available at the student's school.
3. The student must be enrolled for at least 50% of the instructional day and progressing toward graduation at the base school.
4. The student must complete the Dual Enrollment form and have the signed approval of the principal or principal designee prior to registering for the course.
5. The student must contact the cooperating institution and complete all admission and registration, or other requirements as requested by the IHE, community college, or non-WCPSS secondary school. The student must provide their own transportation, be responsible for any fees, and follow all rules, regulations, and calendars as set by the cooperating institution.
6. The student will be responsible for providing an official grade report directly to the base school as evidence of dual enrollment course completion. The course will be added to the student's transcript and an Incomplete (I) will be noted until the official grade is received. If a transcript is not received, the grade will convert from an Incomplete (I) to an F, and an F will be calculated on the transcript. Once a student is enrolled, the course cannot be dropped without permission of the principal and following proper procedures of the cooperating institution.
    a. University or college transfer courses of three to give (3-5) hours will receive one credit at the base school.
    b. Community college courses of at least forty-nine (49) contact hours will receive one-half credit at the base school. Community college courses of at least ninety-nine (99) contact hours will receive one-half credit at the base school.
7. The student must take IHE, community college, or non-WCPSS secondary school courses for graded credit in order to earn a high school credit.
8. Quality points will be calculated as defined in the WCPSS High School Program Planning Guide.

Additional details and regulations are available in Policy 3101 and its related R&P.

Application High School Program Descriptions

ATHENS DRIVE MAGNET HIGH SCHOOL

The magnet theme at Athens Drive Center for Medical Sciences and Global Health Initiatives emphasizes real-world global health problems and hands-on experiences. Project-based learning and STEM (science, technology, engineering and math) pedagogy will support learning across disciplines. Students will receive a comprehensive, relevant education that produces critical thinkers. Community partnerships will offer hands-on learning opportunities and connect experts in the medical and global health fields with classroom learning. In collaboration with school and district leadership, a partnership with National Institute of Environmental Health Sciences (NIEHS) provides a unique experience of cutting-edge professional development for Athens Drive teachers that translate to infusion of the health sciences sensibilities within core area courses and elective offerings.

BROUGHTON GLOBAL STUDIES AND LANGUAGE IMMERSION / INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME MAGNET HIGH

The Global Studies program prepares students for global citizenship and intercultural understanding through opportunities for skill development and social-global connections. Students study various world regions, cultures, and global issues as they are relevant to the content in their comprehensive course offerings. Critical thinking, research, writing, and other analytical skills are developed through project-based learning units.

Additionally, globally focused electives are integrated into the Global Studies theme so that students can elect to concentrate their learning on specific global topics. Broughton also offers the International Baccalaureate Diploma Programme (DP) to 11th and 12th grade students. The IB Diploma Programme emphasizes the ideals of international understanding, responsible citizenship, and service. Students with an International Baccalaureate Diploma can gain admission and/or advanced credit at universities around the world. Broughton additionally offers language immersion programs in Spanish and (in the near future) Mandarin. Language immersion students, who are continuing a K-12 pathway, have the opportunity to take literacy courses in their target language and engage in a variety of experiences to further develop bilingual and bicultural skills.

CROSSROADS FLEX HIGH SCHOOL

Crossroads FLEX, in partnership with North Carolina Virtual, is a digital, blended learning school. Blended learning is using both online and in-person learning experiences when teaching students. Crossroads FLEX serves students whose outside interests and activities require considerable amounts of time during regular school hours known as "pursuits." Pursuits can include highly competitive and active students in the arts, sports, and entrepreneurship. Crossroads FLEX allows students to meet those obligations while meeting all requirements for high school graduation and college and career readiness.

A Crossroads FLEX student is responsible, self-motivated, engaged, and exhibits the highest degree of integrity. Students are encouraged to reflect on the world around them, refocus their priorities, and refine what they are willing to try differently. At Crossroads FLEX, students meet with teachers to review their learning progress, discuss their work, ask questions, or receive assistance with difficult concepts. Students work independently on online lessons, projects, and assignments at home and school. Crossroads FLEX's vision is to guide and graduate students whose individual pursuits empower them to emblazon change upon the world.

ENLOE GIFTED & TALENTED/INTERNATIONAL BACCALAUREATE MAGNET HIGH SCHOOL

The Enloe Gifted & Talented program allows all students opportunities to pursue their gifts and talents through advanced study in both core and elective areas. The extensive elective menu includes all levels of coursework in the visual and performing arts, foreign languages, humanities, sciences, audio and television production, and advanced computer sciences. Various Advanced Placement courses are offered in various subjects. Enloe also offers the International Baccalaureate Diploma Programme (DP) to qualified 11th and 12th grade students. Emphasis is placed on the ideals of international understanding, responsible citizenship, and service. Students with an International Baccalaureate Diploma can gain admission to colleges around the world.

GARNER INTERNATIONAL BACCALAUREATE MAGNET HIGH SCHOOL

All 9th and 10th grade students at International Baccalaureate (IB) World High Schools are a part of the IB Middle Years Programme (MYP). Freshman and sophomores take classes every year in each of the eight subject areas: Language and Literature (English Language Arts), Language Acquisition (world language), math, sciences, Individual and Societies, Visual and Performing Arts, Physical Education and Health and Design (CTE/Technology) classes. The Middle Years Programme incorporates international understanding and global contexts into the core curriculum. During the final year of the MYP (10th grade), students complete a Personal Project, a culminating experience which demonstrates initiative, organization, and creativity. In addition, IB World High Schools provide the programme continuation of the IB Middle Years Programmes offered at East Garner Magnet Middle School and West Millbrook Magnet Middle School.

The International Baccalaureate (IB) Diploma Programme is offered to interested 11th and 12th grade students who wish to pursue the most rigorous and globally focused course of study offered in the United States of America. In addition to academic rigor, students learn through inquiry-based learning, which fosters academic responsibility and appropriately questions newly learned information. IB Diploma Programme students choose one subject from each of the five groups (Language and Literature, World Language, Sciences, Math and Individuals and Societies—history), ensuring breadth of knowledge and understanding in each group. Students also choose either an arts course or a second course from one of the first five groups. Citizenship and service are a fundamental component for IB Diploma students. Students earning an International Baccalaureate Diploma have an internationally recognized degree which broadens their access to colleges around the world.

In addition to the International Baccalaureate Diploma Programme, Garner Magnet High School also offers the IB Career-related Programme. The CP incorporates the values of the Diploma Programme into a unique programme that addresses the needs of students engaged in career-related education during their 11th and 12th grade years of high school. CP Students take at least two DP courses in any subject groups, a two-year course in Personal and Professional Skills, as well as courses offered and are relevant to their career-related studies.

LONGVIEW SCHOOL

Longview School's programs are designed for students who receive services through special education and have behavior goals. Therefore, students must have a current IEP to attend Longview. Support systems are in place that focus on students' behavioral and social-emotional needs. Students who are referred, have a history of behavioral struggles in school, as well as documented strategies that have been put in place that have not been successful with helping students maintain behavioral expectations conducive to learning in the school setting. Students who currently attend a Wake County public school must be referred to Longview by their current school, with assistance from the school's assigned behavioral specialist. The goal at Longview is to work closely with the referring school's behavioral specialist to help the student learn to control behaviors so they can transition back to the base school. Students that are not able to return to the base schools are able to graduate from Longview.

MARY E. PHILLIPS HIGH SCHOOL

Mary E. Phillips High School extends an invitation to any Wake County High School student who has not reached his or her potential within a traditional school setting. Our philosophical approach and curriculum offer students the opportunity to obtain a high school diploma and a new view of themselves as capable, competent young adults. The school curriculum is designed to prepare students to continue their education after high school. Academic needs are met through flexible scheduling, individualized programs, and small class sizes. Varied elective courses are part of the curriculum with several CTE concentrations available. Independent study, tutorial assistance, library/media services, and state-of-the art technology enhance our academic program. All students have access to information through technological resources in school and at home. Mary E. Phillips High School offers courses on a block schedule, which enables students to complete yearlong courses in one semester, in addition to the small class size and the opportunity for a flexible schedule.

MILLBROOK INTERNATIONAL BACCALAUREATE MAGNET HIGH SCHOOL

All 9th and 10th grade students at International Baccalaureate (IB) World High Schools are a part of the IB Middle Years Programme (MYP). Freshman and sophomores take classes every year in each of the eight subject areas: Language and Literature (English Language Arts), Language Acquisition (world language), math, sciences, Individual and Societies, Visual and Performing Arts, Physical Education and Health and Design (CTE/Technology) classes. The Middle Years Programme incorporates international understanding and global contexts into the core curriculum. During the final year of the MYP (10th grade), students complete a Personal Project, a culminating experience which demonstrates initiative, organization, and creativity. In addition, IB World High Schools provide the programme continuation of the IB Middle Years Programmes offered at East Garner Magnet Middle School and West Millbrook Magnet Middle School.

The International Baccalaureate (IB) Diploma Programme is offered to interested 11th and 12th grade students who wish to pursue the most rigorous and globally focused course of study offered in the United States of America. In addition to academic rigor, students learn through inquiry-based learning, which fosters academic responsibility and appropriately questions newly learned information. IB Diploma Programme students choose one subject from each of the six groups (Language and Literature, World Language, Sciences, Math and Individuals and Societies—history, and the Arts), ensuring breadth of knowledge and understanding in each group. Students also choose either an arts course or a second course from one of the first five groups.

Citizenship and service are a fundamental component for IB Diploma students. Students earning an International Baccalaureate Diploma have an internationally recognized degree which broadens their access to colleges around the world.

NORTH WAKE COLLEGE & CAREER ACADEMY

This early college high school serves students in Grades 9-13. The school is a collaborative endeavor between the Wake County Public School System and Wake Technical Community College. Students at North Wake College & Career Academy (NWCCA) complete studies in one of the Wake Tech certificate/diploma programs as part of their high school graduation credits. Through an academic foundation of all honors courses, paired with career-informed courses and work-based learning experiences, graduates of NWCCA will be prepared to continue on to a four-year university or apply their earned credits towards an Associate of Applied Science (AAS) degree, certificate or diploma program at Wake Technical Community College. The five certificate/diploma programs taught by Wake Technical Community College faculty in the 11th and 12th grade to students at the school are: Business Administration, Culinary Arts, Early Childhood Education, Emergency Medical Sciences, and Information Technology - Tech Support.

SCORE ACADEMY

SCORE Academy is an alternative, blended learning environment that offers two programs: SCORE Academy-Reengagement and SCORE Academy-Reassignment. SCORE Academy-Reengagement is a virtual school for students ages 16-21 that have withdrawn from school, are off cohort, or have life barriers that prevent them from regularly attending a traditional school and would like to re-engage and earn a diploma. SCORE Academy-Reassignment (located at Crossroads Flex) is a hybrid virtual school for students who, for behavioral infractions, have been reassigned for extended periods of time. Both programs are rooted in Restorative Justice Education principles and provide students the skills to build personal pathways to success. To better serve students, three locations across the district are available: Cary (Crossroads Flex), Garner (Garner Station), and Raleigh (River Oaks). Each site provides highly qualified instructors, counselors, transition counselors, social workers, administration, all necessary technology, and additional support to provide students a unique opportunity for their current and future success.

SOUTHEAST RALEIGH UNIVERSITY CONNECTIONS: SCHOOL OF DESIGN, ARTS. & ENGINEERING MAGNET HIGH SCHOOL

Southeast Raleigh High is the only University Connections: School of Design, Arts, and Engineering program in the district. This magnet theme focuses on community partnerships with local colleges, universities, and industry, enhancing existing school programming such as the CTE academy model, and offering new, innovative experiences in collaboration with higher education and industry. This magnet program is organized into the following four college and career pathways: 1) Design, 2) Arts, 3) Engineering, Math, and Sciences, and 4) Humanities and Social Sciences. A 9th-grade University Connections Exploratory Course provides all incoming freshmen with a foundation of the magnet theme, as well as a blueprint for "middle school to high school" strategies for success, such as the development of "soft skills" necessary for success in high school, college, and career. This course presents an in-depth overview of the four college and career pathways, including coursework, enrichment opportunities, workplace/real-world experiences, featured guest speakers related to each pathway, research projects, and event, showcase, and exhibit opportunities. This unique foundation allows students to be well-positioned to "choose their pathway" as they complete their high school career within this dynamic program. Additionally, beginning in 2021, interested 11th grade students can elect to participate in the International Baccalaureate (IB) Diploma Programme. This program is for students who wish to pursue the most rigorous and globally focused course of study offered in the United States of America.

In addition to academic rigor, students learn through inquiry-based learning, which fosters academic responsibility and critical thinking skills. Citizenship and service are a fundamental component for IB Diploma students. Students earning an International Baccalaureate Diploma have an internationally recognized degree which broadens their access to colleges around the world.

VERNON MALONE COLLEGE & CAREER ACADEMY

This early college high school serves students in Grades 9-13. The school is a collaborative endeavor between the Wake County Public School System and Wake Technical Community College. Students at Vernon Malone College & Career Academy (VMCCA) will be able to complete studies in one of the Wake Tech certificate/diploma programs as part of their high school graduation credits. Through an academic foundation through all honors courses, paired with career-informed courses and work-based learning experiences, graduates of VMCCA will be prepared to continue on to a four-year university or apply their earned credits towards an Associate of Applied Science (AAS) degree, certificate or diploma program at Wake Technical Community College. The certificate/diploma programs taught by Wake Technical Community College faculty in the 11th and 12th grade to students are Biopharmaceutical Technology, Cosmetology, Facility Maintenance Technology, Nurse Aide, Simulation & Game Development, and Welding.

WAKE EARLY COLLEGE OF HEALTH AND SCIENCES

Wake Early College of Health and Sciences (WECHS) is a small public high school of choice focused on health and sciences. WECHS features a partnership among the Wake County Public School System, Wake Technical Community College, and WakeMed Health and Hospitals. The classes are located on the Perry Health Sciences or the Scott Northern Campuses of Wake Tech. While enrolled at WECHS, students participate in an academic program that fulfills North Carolina high school graduation requirements and allows them to complete college coursework as part of their high school career. WECHS students complete the majority of their high school courses during their first two years in the program. The remaining three years are dedicated to students earning college credits in pursuit of an associate degree, health sciences diploma or certificate. College credits completed while enrolled in the school are tuition-free and are transferable to one of North Carolina's sixteen public universities.

WAKE EARLY COLLEGE OF INFORMATION AND BIOTECHNOLOGIES

Wake Early College of Information and Biotechnologies (WECIB) is a small public school of choice; a joint project between the Wake County Public School System and Wake Tech Community College. The classes are located on the RTP Campus of Wake Tech. While enrolled in WECIB, students participate in an academic program that fulfills North Carolina high school graduation requirements and allows them to complete college coursework as part of their high school career. Through an academic foundation of honors courses paired with career-informed courses and work-based learning experiences, graduates of WECIB will be able to apply their earned credits towards an Associate of Applied Science (AAS) degree in one of four pathways chosen by the student. They will complete the majority of their high school courses during their first two years in the program. The remaining three years are dedicated to students earning college credits in pursuit of an AAS degree in one of the following pathways: Computer Programming, Cybersecurity, Network Management, or Biotechnology. College credits completed while enrolled in the school are tuition-free, while some credits will be transferable to one of North Carolina's sixteen public universities. Students at WECIB will also earn industry credentials through their pathway of choice.

WAKE STEM EARLY COLLEGE HIGH SCHOOL

The Wake STEM Early College High School is a small public school of choice; a joint project between the Wake County Public School System and NC State University. STEM is the theme of the school's program in addition to our identity as an early college. Early college means students take college courses at NCSU as well as the courses required to earn a high school diploma over a five-year period. Exploration of the Grand Challenges for Engineering is a common instructional focus that extends through various courses in our program. Because engineering involves so many areas of math and science it is a great scaffold on which to build a STEM education.

WAKE YOUNG MEN'S LEADERSHIP ACADEMY

Wake Young Men's Leadership Academy (WYMLA) is a grade 6-13 single-gender academy. WYMLA's mission is to develop young men into leaders who have a positive impact on their communities through Scholarship, Service, and Success. Located on two campuses, grades 6-10 are held in the Thompson School Building in downtown Raleigh, NC and grades 11-13 are located at Saint Augustine's University within the historic Oakwood neighborhood of Raleigh, NC. Students in grades 11-13 have the opportunity to take college courses through St. Augustine's University that counts both towards their high school diploma and for college credit. WYMLA is focused on providing our gentlemen with access to college preparatory courses, developing their leadership skills, and providing them opportunities to apply their leadership skills.

WAKE YOUNG WOMEN'S LEADERSHIP ACADEMY

Wake Young Women's Leadership Academy (WYWLA) provides educational opportunities for young women in a rigorous single gender academic program. The school emphasizes leadership development, entrepreneurship, and community service. WYWLA's mission is to develop young women to be college-ready, career-focused leaders who serve their communities. WYWLA serves students in grades 6-13 on two academic campuses. Students in grades 6-10 attend classes on the Governor Morehead Campus and students in grades 11-13 attend classes on Saint Augustine's University Campus. WYWLA's academic program includes a strong college preparatory curriculum with honors, accelerated classes, college level courses, leadership enrichment studies, and foreign language.

Arts Education Courses

Previous performance in Arts Education courses and teacher recommendation should be considered in course selection. Arts courses may be repeated for credit including Honors level courses.

Visual Art

DRAWING – VISUAL ART SPECIALIZATION (INTERMEDIATE)   **54622X0A   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Beginning or portfolio
This course introduces the elements and principles of design through an exploration of various drawing media techniques.

PAINTING – VISUAL ART SPECIALIZATION (PROFICIENT) (HONORS)   **54635X0A   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Intermediate or portfolio
This course develops the elements and principles of design through an exploration of a broad range of various painting media and techniques.

SCULPTURE/CERAMICS – VISUAL ART SPECIALIZATION (INTERMEDIATE)   **54622X0B   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Beginning or portfolio
Students begin to develop their knowledge and technical abilities in three-dimensional design through the medium of clay and other sculptural materials. Various types of clay construction and glazing techniques are explored. Emphasis will be placed on technique, originality, planning and organizing three-dimensional compositions.

SCULPTURE/CERAMICS – VISUAL ART SPECIALIZATION (PROFICIENT) (HONORS)   **54635X0B   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Beginning Sculpture/Ceramics or portfolio
Students expand their knowledge and technical abilities in three-dimensional design through the medium of clay (hand building and/or wheel) and other sculptural materials (plaster, wood, wire, papier-mache, etc.). All types of construction, glaze formulation, and firing techniques are explored. Form and shape are stressed using materials appropriate to sculpting. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms.

SCULPTURE/CERAMICS – VISUAL ART SPECIALIZATION (ADVANCED) (HONORS)   **54645X0A   1 CREDIT**
Recommended prerequisite(s): Sculpture/Ceramics Proficient or portfolio
Students who have demonstrated advanced skill levels in previous Sculpture & Ceramics courses are eligible to take honors level Sculpture & Ceramics III. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students initiate, define, and solve challenging sculpture problems independently using intellectual skills such as analysis, synthesis, and evaluation. Students have in-depth experiences in reflecting upon and assessing the characteristics and merits of their work and the work of others.

This course offers a concentrated study in sculptural areas selected cooperatively between the art teacher and the student. Students are challenged by the teacher to evaluate their art products to solve problems in terms of the chosen art media and learn concepts and skills as these relate to personal art expressions. Students will be working towards specific portfolio goals in wheel and/or hand-building with clay, other non- clay sculptural media, (plaster, wood, wire, papier-mache, etc.) artist research, and a concentrated area of study where the work will focus on a specific theme of the student's choosing.

VISUAL ARTS - BEGINNING   **54152X0A   1 CREDIT**
This course introduces the elements and principles of design through an exploration of a broad range of media. Activities emphasize skills and techniques in the following areas: drawing, painting, graphics, fibers, ceramics, art history, and three-dimensional design (fibers, ceramics, etc.).

VISUAL ARTS - INTERMEDIATE   **54162X0A   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Beginning or portfolio
This course offers an in-depth study of design through repeated use of art elements and principles, while expanding technical abilities. Design is taught through experiences in the following areas: drawing and painting, art history printmaking (silk screening, lino cuts and/or woodcuts), and three- dimensional design (wood, clay, fibers).

VISUAL ARTS - PROFICIENT (HONORS)   **54175X0A   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Intermediate or portfolio
This level of advanced art involves more in-depth knowledge of processes, media, history, and the development of art. Students understand and apply all skills through a variety of media. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students are encouraged to explore a variety of media, to produce experimental culturally significant works of art, and to gain an extensive knowledge of art history.

VISUAL ARTS - ADVANCED (HONORS)   **54185X0A   1 CREDIT**
Recommended prerequisite(s): Visual Arts – Proficient or portfolio
This course offers a concentrated study in areas selected cooperatively between the art teacher and the student. Students are challenged by the teacher to evaluate their art products to solve problems in terms of the chosen art media and learn concepts and skills as they relate to personal art expressions. Students will be working towards specific portfolio goals in Drawing/Painting, Color & Design, artist research, and a concentrated area of study where the work will focus on a specific theme or the student's choosing. Success at the honors level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students initiate, define, and solve challenging visual arts problems independently using intellectual skills such as analysis, synthesis, and evaluation. Students have in-depth experiences in reflecting upon and assessing the characteristics and merits of their work and the work of others.

ADVANCED PLACEMENT STUDIO ART 2D DESIGN   5A027X0   1 CREDIT
ADVANCED PLACEMENT STUDIO ART 3D DESIGN   5A037X0   1 CREDIT
ADVANCED PLACEMENT STUDIO ART DRAWING   5A047X0   1 CREDIT
Recommended prerequisite(s): Two (2) credits in visual arts at the high school level.

Emphasis is placed on studio art. It is expected that students enrolled in these courses will take the College Board Advanced Placement Test. The student must prepare and submit a portfolio to the Advanced Placement Visual Arts Committee of The College Board for college credit approval. Success at the AP level requires rigorous study, excellence in design and production, and extensive knowledge of a variety of art forms. Students initiate, define, and solve challenging visual arts problems independently using intellectual skills such as analysis, synthesis, and evaluation. Students have in-depth experiences in reflecting upon and assessing the characteristics and merits of their work and the work of others.

COMPUTER ART AND ANIMATION - VISUAL ART SPECIALIZATION (INTERMEDIATE)   54622X0E   1 CREDIT
Recommended prerequisite(s): Visual Arts – Beginning or portfolio

Students experience the elements of design through the electronic medium. Projects involve simple optical design, illustrations, contour line, drawings, perspective, paintings, composition involved in desktop publishing, and introduction to 2D animation.

COMPUTER ART AND ANIMATION - VISUAL ART SPECIALIZATION (PROFICIENT) (HONORS)   54635X0E   1 CREDIT
Recommended prerequisite(s): Computer Art and Animation – Intermediate or portfolio

Students in this Level II course carry those concepts studied in Level I to a new and more challenging height. Students develop the following: product package layouts, story illustrations, logo design, advanced painting solutions, drawing problems, and advanced animation.

COMMERCIAL ART: PRINTMAKING/TEXTILES-VISUAL ART SPECIALIZATION (INTERMEDIATE)   54622X0D   1 CREDIT
Recommended prerequisite(s): Visual Arts – Beginning or portfolio

This course is designed for the student who has completed at least one credit of high school art and has a special interest in printmaking and textiles. Some of the following processes are taught in printmaking: block printing, silk screen, intaglio, relief printing, and etching. In textiles students expand their knowledge and technical skills in two- and three-dimensional design. Areas explored include macramé, batik, soft sculpture, and weaving.

ART HISTORY – VISUAL ART SPECIALIZATION (BEGINNING)   54612X0A   1 CREDIT

This course is a comprehensive study of art through the ages. Students explore works of famous artists within the cultural context of each time period. This integrated approach encourages understanding of humanity from a visual arts perspective.

ADVANCED PLACEMENT ART HISTORY   5A007X0   1 CREDIT

This advanced art history course requires students to make extensive connections between the art of each time period and its relationship to culture. Students enrolled in this course are encouraged to take the College Board Advanced Placement Test.

INDEPENDENT STUDY – VISUAL ART SPECIALIZATION (ADVANCED) (HONORS)   54645X0B   1 CREDIT

The student works independently in a special area of concentration selected by the student with the visual arts teacher's approval. A student must have a sponsoring teacher and must have arranged a program of study prior to registering for this course.

Dance

DANCE - BEGINNING   51152X0A   1 CREDIT

This course introduces students to movement and choreography through the elements of dance. Students will use whole body movements, strength, flexibility, endurance, and proper alignment to develop dance technique. Students will use dance to explore concepts in world history and relate them to significant events, ideas, and movements from a global context. Students will use appropriate behaviors and etiquette while observing, creating and performing dance. Dance attire is required and will be determined by the teacher. Participation in class, after-school rehearsals, and performances is expected.

DANCE - INTERMEDIATE   51162X0A   1 CREDIT
Recommended prerequisite(s): Audition or portfolio review using the WCPSS Placement Assessment Tool

This course continues the development of intermediate movement skills and choreography through an enhanced application of dance techniques. Students apply technical skills from a variety of dance forms to enhance performance at an intermediate level. Students will use dance to explore concepts in world history and relate them to significant events, ideas, and movements from a global context. Students will use appropriate behaviors and etiquette whole observing, creating and performing dance. Dance attire is required and will be determined by the teacher. Participation in class, after-school rehearsals, and performances is expected.

DANCE - PROFICIENT (HONORS)   51175X0A   1 CREDIT
Recommended prerequisite(s): Dance – Intermediate or audition

Technical skills and aesthetic awareness are developed through more challenging dance technique and choreography classes. Success at the proficient level requires rigorous study in technique, performance, dance history, anatomy and deep aesthetic awareness. In addition, students demonstrate dance literacy through research-based projects and dance criticism. Dance attire is required and will be determined by the teacher. Participation in class, after-school rehearsals, and performances is expected.

DANCE - ADVANCED (HONORS)   **51185X0A   1 CREDIT**

Recommended prerequisite(s): Audition or Portfolio review using the WCPSS Placement Assessment Tool
Success at the advanced level requires rigorous study, excellence in technical performance, and deep aesthetic awareness. Advanced dance is a challenging technique class where students present and produce their own choreography. Students will demonstrate dance literacy through research-based projects and dance criticism. Dance attire is required and will be determined by the teacher. Participation in class, after-school rehearsals, and performances is expected.

INDEPENDENT STUDY – DANCE SPECIALIZATION (ADVANCED) (HONORS)   **51285X0A   1 CREDIT**

The student works independently in a special area of concentration selected by the student with the dance teacher's approval. A student must have a sponsoring teacher and must have arranged a program of study prior to registering for this course.

Theatre Arts

THEATRE ARTS - BEGINNING   **53152X0A   1 CREDIT**

This course introduces students to the basic aspects of movement, vocal expression, and ensemble work. Class activities include pantomime, improvisation, vocal development, playwriting, and solo/collaborative presentations in acting and theatre production (costumes, lighting, makeup, scenery, and sound). The course offers opportunities to present before an audience.

THEATRE ARTS – INTERMEDIATE   **53162X0A   1 CREDIT**

Recommended prerequisite(s): Theatre Arts – Beginning or audition
Students continue to develop vocal and physical acting skills (including in-depth character analysis and development) and playwriting. Various acting styles are introduced along with opportunities to explore directing. Students focus on the history and development of theatre in Western Civilization. Class activities include more challenging improvisation, vocal development, solo/collaborative presentations in acting, directing, and theatre production (costumes, lighting, makeup, scenery, and sound). Participation in after-school rehearsals and performances is expected.

THEATRE ARTS - PROFICIENT (HONORS)   **53175X0A   1 CREDIT**

Recommended prerequisite(s): Theatre Arts – Intermediate or audition
Students apply acting, directing, playwriting, and production skills developed in previous theatre training. Students produce polished and complex works for an audience. Additional acting styles are introduced and developed. Participating in after-school rehearsals and performances is expected.

THEATRE ARTS - ADVANCED (HONORS)   **53185X0A   1 CREDIT**

Recommended prerequisite(s): Theatre Arts – Proficient or audition
Students advance acting, directing, playwriting, and production skills developed in previous theatre training. Students assume leadership roles in the production of polished and complex works for an audience. Various acting and directing styles are practiced. Success at the honors level requires rigorous study, excellence in performance, and extensive knowledge of all areas of theatre including production and directing, and an in-depth study of a variety of dramatic literature. Students are encouraged to explore a variety of theatrical styles and work with others to produce experimental, culturally significant works of art. Participation in after-school rehearsals and performances is expected.

TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (BEGINNING)   **53612X0A   1 CREDIT**

Students explore the various aspects of design and production for theatre. Areas of study may include scenery, lighting, sound, makeup, properties, costumes, and stage management.

TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (INTERMEDIATE)   **53622X0A   1 CREDIT**

Recommended prerequisite(s): Technical Theatre – Beginning
Students develop technical skills through design and production. Technical support for school productions requires participation in after-school rehearsals and performances.

TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (PROFICIENT) (HONORS)   **53635X0A   1 CREDIT**

Recommended prerequisite(s): Technical Theatre – Intermediate
Students who have demonstrated a high skill level in technical theatre can continue to study various areas of technical theatre by focusing on more advanced design and production skills. Students are expected to participate in after-school rehearsals and performances as well as provide technical support for school- based events.

INDEPENDENT STUDY – THEATRE – THEATRE ARTS SPECIALIZATION (ADVANCED) (HONORS)   **53645X0A   1 CREDIT**

The student works independently in a special area of concentration selected by the student with the theatre teacher's approval. A student must have a sponsoring teacher and must have arranged a program of study prior to registering for this course.

PROGRAMMING AND BROADCASTING - THEATRE ARTS SPECIALIZATION (BEGINNING)   **53612X0B   1 CREDIT**

This course sets the historical and aesthetic foundation for responsible interpretation, usage, and application of television production. The student develops screen experience from a critical standpoint, progresses to understanding the technical aspects, and finally uses professional equipment to create video productions.

PROGRAMMING & BROADCASTING – THEATRE ARTS SPECIALIZATION (INTERMEDIATE) 53622X0B   1 CREDIT

Recommended prerequisite(s): Programming and Broadcasting – Beginning or teacher recommendation

Students continue to develop the basic academic skills and concepts in many short-written exercises as well as longer script writing projects. The student's own ideas are used in developing studio productions through directing, recording, editing, and utilizing color cameras, professional lighting, and sound equipment as well as a special effects generator.

PROGRAMMING & BROADCASTING - THEATRE ARTS SPECIALIZATION (PROFICIENT) (HONORS) 53635X0B   1 CREDIT

Recommended prerequisite(s): Programming and Broadcasting –Intermediate or teacher recommendation

This course challenges students who have prior television experience. Students take on the total responsibility of writing, producing, directing, recording, and editing a daily news program for the school. Students at this level are expected to provide technical support for activities after school hours.

Choral Music

VOCAL MUSIC – MIXED CHORUS – BEGINNING 52302X0A   1 CREDIT

This introductory course is open to all students who have an interest in singing. In this class, choral literature is studied in both classical and contemporary fields. Some study is given to a review of the mechanics of music, composers, and music appreciation. Emphasis is placed on correct vocal production, proficiency in music reading, and performance skills. Participation in after-school rehearsals and performances is expected.

VOCAL MUSIC – CHORAL ENSEMBLE – INTERMEDIATE 52312X0A   1 CREDIT

Recommended prerequisite(s): Vocal Music – Beginning or audition

Students will demonstrate proficient skills relating to vocal production, music theory knowledge, and performance techniques. This group studies and performs more advanced levels of choral literature, including diverse genres and historical periods. Emphasis is on refined tone quality, balance, intonation, interpretation, and ear-training. Strong sight-reading and musical literacy skills are prerequisite to participate at this level of study.

Students continue developing vocal skills through extensive study of classical and contemporary works. Adequate proficiency in sight-reading and a basic understanding of the fundamentals of music are necessary because of the vast amount of choral literature taught and memorized during the year. Participation in after-school rehearsals and performances is expected.

VOCAL MUSIC – CONCERT CHORUS – PROFICIENT (HONORS) 52325X0A   1 CREDIT

Recommended prerequisite(s): Vocal Music – Intermediate or audition

Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in-depth study of a variety of advanced music literature. Participation in after-school rehearsals and performances is expected.

VOCAL MUSIC – SPECIAL CHORAL ENSEMBLE – ADVANCED (HONORS) 52335X0A   1 CREDIT

Recommended prerequisite(s): Vocal Music – Proficient or audition

Students will demonstrate proficient skills relating to vocal production, music theory knowledge, and performance techniques. This group studies and performs more advanced levels of choral literature, including diverse genres and historical periods. Emphasis is on refined tone quality, balance, intonation, interpretation, and ear-training. Strong sight-reading and musical literacy skills are prerequisite to participate at this level of study.

Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in- depth study of a variety of advanced music literature. Participation in after-school rehearsals and performances is expected.

MUSIC THEORY – MUSIC SPECIALIZATION (PROFICIENT) (HONORS) 52185X0A   1 CREDIT

This course is a study of notation, musical form and analysis, sight-reading, and some form of composition/arranging skills.

ADVANCED PLACEMENT MUSIC THEORY 5A017X0   1 CREDIT

Advanced music theory involves the study of harmonic and form analysis and multiple-part composition and orchestration. This course involves formal analysis of music from the Baroque, Classical, Romantic, Impressionistic, and 20th Century periods. Students further their skills in ear training. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

MUSIC APPRECIATION – MUSIC SPECIALIZATION (BEGINNING) 52162X0A   1 CREDIT

This course focuses on music's relationship to other arts disciplines, humanities, and world cultures.

Instrumental Music

INSTRUMENTAL MUSIC: BAND – BEGINNING 52552X0A   1 CREDIT

Recommended prerequisite(s): Middle School band or audition

This course introduces basic instrumental music skills. Students focus on the fundamentals of music, correct tone production, balance, intonation, and ensemble playing through the study of simple band literature. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: BAND – INTERMEDIATE 52562X0A   1 CREDIT

Recommended prerequisite(s): Band – Beginning or audition

Students continue to study the fundamentals of music while performing more advanced literature. Aesthetic awareness and technical ability are developed through a variety of performance opportunities. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: BAND – PROFICIENT (HONORS)   **52575X0A   1 CREDIT**
Recommended prerequisite(s): Band – Intermediate or audition
Students develop their ability to play with increased technical accuracy and expression. Students play more advanced literature representing diverse genres, styles, and cultures. Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in-depth study of a variety of advanced music literature. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: BAND – ADVANCED (HONORS)   **52585X0A   1 CREDIT**
Recommended prerequisite(s): Band – Proficient (Honors) or audition
Students demonstrate a high level of technical proficiency through a variety of advanced instrumental literature. An understanding of the broad aspects of music (theory, history, tone production, interpretation), are necessary for success in this advanced level course.
Students who have demonstrated advanced skill level and serious commitment are eligible to take honors level Band IV. Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in-depth study of a variety of advanced music literature. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: JAZZ ENSEMBLE – MUSIC SPECIALIZATION (PROFICIENT) (HONORS)   **52185X0B   1 CREDIT**
Recommended prerequisite(s): Band – Intermediate and/or audition
This group studies jazz phrasing and articulation as well as the technique of improvisation and playing in correct jazz style. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: ORCHESTRA – BEGINNING   **52402X0A   1 CREDIT**
Recommended prerequisite(s): Middle School Strings or audition
This course is designed to introduce students to playing a stringed instrument (violin, viola, cello, and bass). Students will learn the fundamentals or rhythm, not reading, posture, following the conductor and learning to perform as a group. Appropriate use of musical terms, dynamic markings, and the parts and care of stringed instruments are emphasized.

INSTRUMENTAL MUSIC: ORCHESTRA – INTERMEDIATE   **52412X0A   1 CREDIT**
Recommended prerequisite(s): Orchestra – Beginning or audition
This course further develops technical and artistic skills studied in previous music training. Emphasis is placed on performance of more advanced literature and increased aural discrimination. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: ORCHESTRA – PROFICIENT (HONORS)   **52425X0A   1 CREDIT**
Recommended prerequisite(s): Orchestra – Intermediate or audition
Advanced students continue to improve technical proficiency, greater understanding of music notation, increased aural discrimination, and artistic interpretation. Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in-depth study of a variety of advanced music literature. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: ORCHESTRA - ADVANCED (HONORS)   **52435X0A   1 CREDIT**
Recommended prerequisite(s): Orchestra – Proficient (Honors) or audition
Advanced students build ensemble performance skills while studying challenging literature.
Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas of music including music theory, and an in-depth study of a variety of advanced music literature. Participation in after-school rehearsals and performances is expected.

INDEPENDENT STUDY – MUSIC SPECIALIZATION (ADVANCED) (HONORS)   **52195X0A   1 CREDIT**
The student works independently in a special area of concentration selected by the student with the music teacher's approval. A student must have a sponsoring teacher and must have arranged a program of study prior to registering for this course.

MUSICAL THEATRE ORCHESTRA – MUSIC SPECIALIZATION (PROFICIENT) (HONORS)   **52185X0G   1 CREDIT**
Scores from musicals are learned in this course, and students accompany musical performances in the school in cooperation with the drama department. Participation in after-school rehearsals and performances is expected.

GUITAR – MUSIC SPECIALIZATION BEGINNING   **52162X0D   1 CREDIT**
Students will learn the basics of playing guitar through the study of music notation, chord symbols, and group interaction. Students will gain an enhanced appreciation for music and understand a variety of musical genres. Participation in after-school rehearsals and performances is expected.

GUITAR – MUSIC SPECIALIZATION INTERMEDIATE   **52172X0D   1 CREDIT**
Students will increase their technical skills and artistic awareness through continued study of increasingly challenging music. Participation in after-school rehearsals and performances is expected.

GUITAR – MUSIC SPECIALIZATION- PROFICIENT (HONORS)   **52185X0D   1 CREDIT**
Advanced guitar students develop their ability to play with increased technical accuracy and expression. Success at the honors level requires rigorous study, excellence in performance, extensive knowledge of all areas including music theory and an in-depth study of advanced music literature. Participation in after- school rehearsals and performances are expected.

Career & Technical Education

Planning for College

The Wake County Public School System offers a comprehensive Career and Technical Education program for students in middle and high schools. Courses are offered in Agricultural Education; Business, Finance, and Information Technology Education; Career Development Education; Family and Consumer Sciences Education; Health Science; Marketing and Entrepreneurship Education; Technology Engineering and Design Education; and Trade and Industrial Education. All programs may not be offered at each middle and high school.

The Wake County Public School System does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. Dr. Rodney Trice has been designated to handle inquiries regarding equity and the non-discrimination policies and may be reached at (919) 694-0524.

Students are entering a highly competitive global workforce. Nearly 90 percent of the fastest growing jobs in the US require education beyond high school. Almost all jobs in the foreseeable future will need some form of certification, credential, or postsecondary degree. To become college and career ready, students need 21st century skills, technical knowledge, as well as the English and mathematics knowledge and skills necessary to succeed in entry-level postsecondary courses.

With an emphasis on real-world skills, Career and Technical Education connects students to academics and training that will help them be successful in the future. Our goal is that every Wake County Public School System student will graduate from high school globally competitive for work and postsecondary education and prepared for life in the 21st century. No matter what their dream, they can pursue it through CTE. Students should see their counselor and Career Development Coordinator to identify courses that will develop the skills they need to become college, career and citizenship ready.

The following are a list of online resources that can assist in planning for college and careers:

College and Career Planning Resources	Web Address
College Foundation of North Carolina	www.cfnc.org
Career One Stop	www.Careeronestop.org
Education Planner	www.educationplanner.org
College Career Life Planning	www.collegecareerlifeplanning.com
College Board	www.collegeboard.org
O*NET Online	www.onetonline.org/
ACT	www.act.org
Kiplinger's Best College Values	www.kiplinger.com/tools/colleges/
My Plan	www.Myplan.com
NC Works Online	https://www.ncworks.gov/vosnet/Default.aspx
NC Careers	http://nccareers.org/
Major Clarity	https://majorclarity.com/

In addition to student interest, previous performance in Career and Technical Education (CTE) courses and teacher recommendation should be considered in course selection. Students are encouraged to complete at least four credits in a pathway while in high school. CTE courses are enhanced by an array of work-based learning opportunities. These include content-related projects, job shadowing, supervised work experiences, internships, apprenticeships, cooperative education, and field trips. These are particularly applicable to advanced-level courses.

A Career and Technical Student Organization (CTSO) is an integral part of each program area's curriculum. Any student enrolled in a CTE course is eligible for membership in the Career and Technical Student Organization (CTSO) associated with that program area. The CTSOs are:
- DECA for Marketing and Entrepreneurship Education
- Future Business Leaders of America (FBLA) for Business, Finance and Information Technology Education
- Future Farmers of America (FFA) for Agricultural Education
- Family, Career and Community Leaders of America (FCCLA) for Family and Consumer Sciences Education
- Health Occupations Students of America (HOSA) for Health Science
- Technology Student Association (TSA) for Technology, Engineering and Design
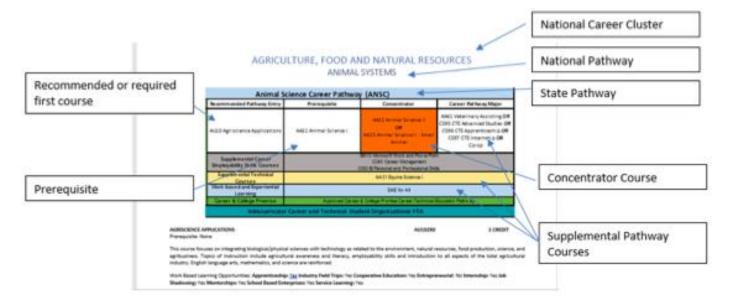- SkillsUSA for Trade and Industrial Education

This portion of the Program Planning Guide is arranged by Career Cluster and then by Career Pathway. The courses listed may not be taught at every high school within the district and students are encouraged to request a listing of courses offered at their assigned school. The chart and course listings reflect a recommended order or sequence. Many courses are available for Honors credit and those identified with an asterisk (*) are considered concentrator courses for a pathway. Course descriptions include applicable work-based learning activities and the related CTSO. Students may also be eligible to complete an industry- recognized credential as part of their CTE pathway completion. Course descriptions also note the aligned credentials. More information about CTE courses and pathways can be found at the NC Career and Technical Education Course Management System website (https://center.ncsu.edu/nccte-cms/).

Career Development Coordinators, counselors, and CTE teachers are valuable resources to consult when selecting courses.

Understanding Career Pathways

CTE Career Pathway charts are included for each Career Pathway offered and are organized as follows:

- WCPSS Pathways are grouped by National Career Clusters and Pathways shown in blue headings.
- Pathway courses are designated in white beginning with either a Foundational Prerequisite or a Recommended Pathway Entry Course.
- Prerequisite courses are listed in the second column and must be completed before students can enroll in the Concentrator Course, shown in orange in the third column.
- Students are considered Concentrators when they successfully complete the Concentrator Course and related prerequisite(s).
- Career Pathway Major courses offer an extension of the pathway learning and always include some work-based learning offerings.
- Supplemental Career Employability Skills and Supplemental Technical Courses provide additional skills for students to deepen their knowledge, skills and abilities and better prepare them for careers.
- CTE encourages students to utilize as many courses as possible in the pathway.

AGRICULTURE, FOOD AND NATURAL RESOURCES

Animal Systems

National Career Pathway: Animal Systems Animal Science Career Pathway (ANSC)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
AU10 Agriscience Applications	AA21 Animal Science I	AA22 Animal Science II- Food Animal **OR** AA23 Animal Science II - Companion Animal	AA41 Veterinary Assisting *or* WB01 CTE Advanced Studies AGNR *or* WB02 CTE Apprenticeship AGNR *or* WB03 CTE Internship AGNR *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	AA31 Equine Science I		
Work-based and Experiential Learning	SAE for All		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: FFA			

AGRISCIENCE APPLICATIONS   **AU102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips:** Yes **Cooperative Education:** Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning:** Yes
- Aligned Industry Credential: NC Hunter Safety Course, National Safe Tractor and Machinery Operation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

ANIMAL SCIENCE I   **AA212X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on animal physiology, breeding, nutrition, health, and best management practices in preparation for an animal science career. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

- Work Based Learning Opportunities: **Apprenticeship:** Yes **Industry Field Trips:** Yes **Cooperative Education:** Yes **Entrepreneurial:** Yes **Internship:** Yes **Job Shadowing:** Yes **Mentorships:** Yes **School Based Enterprises:** Yes **Service Learning**: Yes
- Aligned Industry Credential: NC Beef Quality Assurance, Youth for Quality Care of Animals (YQCA) Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

ANIMAL SCIENCE I (HONORS)   **AA215X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on animal physiology, breeding, nutrition, health, and best management practices in preparation for an animal science career. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

- Work Based Learning Opportunities: **Apprenticeship:** Yes **Industry Field Trips:** Yes **Cooperative Education:** Yes **Entrepreneurial:** Yes **Internship:** Yes **Job Shadowing:** Yes **Mentorships:** Yes **School Based Enterprises:** Yes **Service Learning:** Yes
- Aligned Industry Credential: NC Beef Quality Assurance, Youth for Quality Care of Animals (YQCA) Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

ANIMAL SCIENCE II – FOOD ANIMAL (HONORS)   **AA225X0**   **1 CREDIT**

Prerequisite: AA21 Animal Science I

Recommended Maximum Enrollment: 25

This course focuses on animal anatomy, physiology, digestion, reproduction, housing and facilities, management, and genetics of the food animal industry. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: NC Beef Quality Assurance, NC Beef Quality Assurance Cow/Calf Certification, NC Beef Quality Assurance Feedyard Certification, Youth for the Quality Care of Animals (YQCA) Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

ANIMAL SCIENCE II - COMPANION ANIMAL   **AA232X0**   **1 CREDIT**

Prerequisite: AA21 Animal Science I

Recommended Maximum Enrollment: 25

This course focuses on animal welfare, safe handling practices, nutrition, digestion, breeding, grooming, care, classification, and the history of the companion animal industry. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced in this class.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: Canine Care and Training Program (CCTP)
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

ANIMAL SCIENCE II - COMPANION ANIMAL (HONORS)   **AA235X0**   **1 CREDIT**

Prerequisite: AA21 Animal Science I

Recommended Maximum Enrollment: 25

In addition to the standard course requirements, Animal Science II - Companion Animal, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: Canine Care and Training Program (CCTP)
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

VETERINARY ASSISTING (HONORS)   **AA415X0**   **1 CREDIT**

Prerequisite: AA22 Animal Science II-Food Animal or AA23 Animal Science II-Companion Animal

Recommended Maximum Enrollment: 15

This course provides instruction for students desiring a career in animal medicine. Topics include proper veterinary practice management and client relations, pharmacy and laboratory procedure, advanced animal care, and surgical/radiological procedures. Applied mathematics, science and writing are integrated throughout the curriculum. Advanced FFA leadership will be infused throughout the curriculum to develop the student's ability to work with the public. All aspects of this course will feature hands-on skill sets designed to enhance experiential learning. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are cooperative education, internship, mentorship, service- learning job shadowing and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skill through authentic experiences. Students who wish to take the Veterinary Assisting Exam developed by Texas Veterinary Medical Association to be a Certified Veterinary Assistant (CVA) Level 1 should complete an additional 500 hours of supervised agricultural experience (SAE) during their three animal science courses. Two hundred SAE hours focus on the care and management of animals; will be substantiated by records and conducted under the direct supervision of the agricultural teacher. Hours may be earned any time during the year including summer months. An additional 300 hours of supervised agricultural experience (worked based learning) will be conducted as an internship program in animal medicine under the supervision of a licensed veterinarian or certified veterinary technician who will attest that participating students have mastered a standard set of skills used in animal medicine as identified by the cooperating teacher. Hours may be earned any time during the year including summer months.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: Elanco Veterinary Medical Applications Certification, Certified Veterinary Assistant
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

EQUINE SCIENCE I   **AA312X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on the basic scientific principles and processes related to equine physiology, breeding, nutrition, and care in preparation for a career in the equine industry. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: None
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

National Career Pathway: Animal Systems Equine Science Career Pathway (EQSC)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
AU10 Agriscience Applications	AA31 Equine Science I	AA32 Equine Science II	AA41 Veterinary Assisting *or* WB01 CTE Advanced Studies AGNR *or* WB02 CTE Apprenticeship AGNR *or* WB03 CTE Internship AGNR *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	AA21 Animal Science I		
Work-based and Experiential Learning	SAE for All		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: FFA			

AGRISCIENCE APPLICATIONS   **AU102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips:** Yes **Cooperative Education:** Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning:** Yes
- Aligned Industry Credential: NC Hunter Safety Course, National Safe Tractor and Machinery Operation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

EQUINE SCIENCE I   **AA312X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on the basic scientific principles and processes related to equine physiology, breeding, nutrition, and care in preparation for a career in the equine industry. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: None
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

EQUINE SCIENCE II (HONORS)   **AA325X0**   **1 CREDIT**

Prerequisite: AA31 Equine Science I

Recommended Maximum Enrollment: 25

The course focuses on more advanced applications of feeding, breeding, and management practices involved in the horse industry. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: Equine Management and Evaluation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

VETERINARY ASSISTING (HONORS)   **AA415X0**   **1 CREDIT**

Prerequisite: AA22 Animal Science II-Food Animal or AA23 Animal Science II-Companion Animal

Recommended Maximum Enrollment: 15

This course provides instruction for students desiring a career in animal medicine. Topics include proper veterinary practice management and client relations, pharmacy and laboratory procedure, advanced animal care, and surgical/radiological procedures. Applied mathematics, science and writing are integrated throughout the curriculum. Advanced FFA leadership will be infused throughout the curriculum to develop the student's ability to work with the public. All aspects of this course will feature hands-on skill sets designed to enhance experiential learning. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are cooperative education, internship, mentorship, service- learning job shadowing and supervised agricultural experience. FFA competitive

events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skill through authentic experiences. Students who wish to take the Veterinary Assisting Exam developed by Texas Veterinary Medical Association to be a Certified Veterinary Assistant (CVA) Level 1 should complete an additional 500 hours of supervised agricultural experience (SAE) during their three animal science courses. Two hundred SAE hours focus on the care and management of animals; will be substantiated by records and conducted under the direct supervision of the agricultural teacher. Hours may be earned any time during the year including summer months. An additional 300 hours of supervised agricultural experience (worked based learning) will be conducted as an internship program in animal medicine under the supervision of a licensed veterinarian or certified veterinary technician who will attest that participating students have mastered a standard set of skills used in animal medicine as identified by the cooperating teacher. Hours may be earned any time during the year including summer months.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: Elanco Veterinary Medical Applications Certification, Certified Veterinary Assistant
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

Food Products & Processing Systems

National Pathway: Food Products & Processing Systems Food Products & Processing Systems Career Pathway (FPPR)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FC11 Principles of Family and Human Services	FN41 Food and Nutrition I	FN43 Food Science and Technology	WB01 CTE Advanced Studies AGNR *or* WB02 CTE Apprenticeship AGNR *or* WB03 CTE Internship AGNR *or* Cooperative Education
Supplemental Career Readiness Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

PRINCIPLES OF FAMILY AND HUMAN SERVICES   **FC112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: **Apprenticeship**: No **Industry Field Trips**: Yes **Cooperative Education**: No **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships:** Yes **School Based Enterprise**s: No **Service Learning**: Yes
- Aligned Industry Credential: None

FOOD AND NUTRITION I   **FN412X0**   **1 CREDIT**

Prerequisite: FC11 Principles of Family and Human Services recommended.

Note: For safety and sanitation reasons, enrollment should not exceed 20 in this course.

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

- Work Based Learning Opportunities: **Apprenticeship:** No **Industry Field Trips**: Yes **Cooperative Education**: No **Entrepreneurial**: Yes **Internship:** Yes **Job Shadowing**: Yes **Mentorships:** No **School Based Enterprises**: No **Service Learning**: Yes
- Aligned Industry Credential: ANSI-Accredited Food Handler Certificate

FOOD SCIENCE AND TECHNOLOGY (HONORS)   **FN435X0**   **1 CREDIT**

Prerequisite: FN41 Food and Nutrition I AND Environmental Science or Physical Science or Biology or Chemistry

Recommended Maximum Enrollment: 25

This course explores the food industry from the farm to the table using skills in food science, technology, engineering, and mathematics. Government regulations, emerging trends, biotechnology, and technological career opportunities from scientists to technicians will be presented. The student examines production, processing,

preparation, preservation, and packaging principles along the farm to table continuum. The student begins to understand how food technology affects the food that he/she eats. English language arts, science, social studies, and mathematics are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: Food Safety and Science Certification

Sustainable Agriculture

National Pathway: Environmental Systems Sustainable Agriculture Career Pathway (SUAG)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
AU10 Agriscience Applications	AU21 Sustainable Agriculture Production I	AU22 Sustainable Agriculture Production II	WB01 CTE Advanced Studies AGNR *or* WB02 CTE Apprenticeship AGNR *or* WB03 CTE Internship AGNR *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Work-based and Experiential Learning	SAE for All		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: FFA			

SUSTAINABLE AGRICULTURE PRODUCTION I   **AU212X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment 25

This course focuses on the increasingly complex world of producing enough food and fiber to meet the growing world demand and at the same time maintain ecological balance and conserve our production to satisfy the needs of a growing population for today and tomorrow. A breadth of topics including crop and animal production, natural resource management, agroforestry, food safety, and the farm to fork continuum will set the educational stage for this course.   Leadership development and employability skills are integral to the course and are delivered through authentic experiences.   English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned CTSO: North Carolina FFA Association and National FFA Organization (FFA)

SUSTAINABLE AGRICULTURE PRODUCTION II   **AU222X0**   **1 CREDIT**

Prerequisite: AU21 Sustainable Agriculture Production I

Recommended Maximum Enrollment: 25

Sustainable Agriculture Production II further investigates food production through practice and application of principles and knowledge established in Sustainable Agriculture Production I. An emphasis on proven methods employed to sustain a growing population are woven into all facets of the course. Students gain knowledge of 21st century agriculture through further exploration of renewable energy, precision agriculture, biotechnology, and breeding programs. Students discover cultivation of bees, aquaponics, mushrooms, vermicomposting and commodities of their choice while applying food safety and industry standards for sustainable production. Students also acquire foundations of leadership, business and marketing principles necessary for competitive sustainable agricultural companies, and individuals in the workforce are also reinforced in this course. Leadership development and employability skills are integral to the course and are delivered through authentic experiences. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Certified Level Beekeeper
- Aligned CTSO: North Carolina FFA Association and National FFA Organization (FFA)

Plant Systems

National Pathway: Plant Systems Plant Systems Career Pathway (PLSV)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
AU10 Agriscience Applications	AP41 Horticulture I	AP42 Horticulture II *or* AP44 Horticulture II – Landscaping *or* AP43 Horticulture II – Turfgrass Management	WB01 CTE Advanced Studies AGNR *or* WB02 CTE Apprenticeship AGNR *or* WB03 CTE Internship AGNR *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Work-based and Experiential Learning	SAE for All		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: FFA			

AGRISCIENCE APPLICATIONS   **AU102X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips:** Yes **Cooperative Education:** Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning:** Yes
- Aligned Industry Credential: NC Hunter Safety Course, National Safe Tractor and Machinery Operation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

HORTICULTURE I   **AP412X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: NC Private Pesticide Applicator License
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

HORTICULTURE I (HONORS)   **AP415X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

In addition to the standard course requirements, Horticulture I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: NC Private Pesticide Applicator License
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

HORTICULTURE II   **AP422X0   1 CREDIT**

Prerequisite: AP41 Horticulture I

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneuria**l: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: NC Private Pesticide Applicator License
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

HORTICULTURE II (HONORS)   **AP425X0**   **1 CREDIT**

Prerequisite: AP41 Horticulture I

Recommended Maximum Enrollment: 20

In addition to the standard course requirements, Horticulture II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.
- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneuria**l: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: NC Private Pesticide Applicator License
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

HORTICULTURE II-LANDSCAPING (HONORS)   **AP445X0**   **1 CREDIT**

Prerequisite: AP41 Horticulture I

Recommended Maximum Enrollment: 20

This course provides hands-on instruction and emphasizes safety skills needed by landscape technicians in the field. Students are instructed in interpreting landscape designs, identifying landscape plants, and planting/maintaining trees, shrubs, and turf. Landscape construction is emphasized in the areas of grading and drainage, irrigation, paver installation, and the use/maintenance of landscape equipment. Current topics discussions provide students an understanding of careers and employability skills needed to enter the landscape industry. English language arts, mathematics, and science are reinforced.
- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial: Yes** **Internship**: Yes **Job Shadowing**: Yes **Mentorships: Yes** **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: None
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

Power, Structural, & Technical Systems

National Pathway: Power, Structural, & Technical Systems Power, Structural, & Technical Systems Career Pathway (PSTE)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
AU10 Agriscience Applications	AS31 Agricultural Mechanics I	AS32 Agricultural Mechanics II *or* AS33 Agricultural Mechanics II - Small Engines	WB01 CTE Advanced Studies AGNR *or* WB02 CTE Apprenticeship AGNR *or* WB03 CTE Internship AGNR *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Work-based and Experiential Learning	SAE for All		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: FFA			

AGRISCIENCE APPLICATIONS   **AU102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course focuses on integrating biological/physical sciences with technology as related to the environment, natural resources, food production, science, and agribusiness. Topics of instruction include agricultural awareness and literacy, employability skills and introduction to all aspects of the total agricultural industry. English language arts, mathematics, and science are reinforced.
- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips:** Yes **Cooperative Education:** Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning:** Yes
- Aligned Industry Credential: NC Hunter Safety Course, National Safe Tractor and Machinery Operation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

AGRICULTURAL MECHANICS I   **AS312X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

*Course enrollment is limited to 20 to ensure safety in laboratory settings.

This course develops knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems and repair needs they will encounter in their chosen agricultural career. Topics include agricultural mechanics safety, agricultural engineering career opportunities, hand/power tool use and selection, electrical wiring, fencing, paints and preservatives, basic metal working, basic agricultural construction skills related to plumbing, carpentry, basic welding, and leadership development. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: OSHA 10-Hour General Industry (Agriculture) Certification, AWS Certified Welder D1.1 Structural Steel, National Safe Tractor and Machinery Operation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

AGRICULTURAL MECHANICS II (HONORS)   **AS325X0   1 CREDIT**

Prerequisite: AS31 Agricultural Mechanics I

Recommended Maximum Enrollment: 20

*Course enrollment is limited to 20 to ensure safety in laboratory settings.

In this course, the topics of instruction emphasized are non-metallic agricultural fabrication techniques, metal fabrication technology, safe tool and equipment use, human resource development, hot/cold metal working skills and technology, advanced welding and metal cutting skills, working with plastics, plumbing, concrete and masonry, agricultural power and advanced career exploration/decision making. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: OSHA 10-Hour General Industry (Agriculture) Certification, AWS Certified Welder D1.1 Structural Steel, National Safe Tractor and Machinery Operation Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

AGRICULTURAL MECHANICS II - SMALL ENGINES (HONORS)   **AS335X0   1 CREDIT**

Prerequisite: AS31 Agricultural Mechanics I

Recommended Maximum Enrollment: 12

This course is provided for the upper-level agricultural mechanics student who wishes to apply the basic knowledge of small engines acquired through on-line Briggs and Stratton training modules delivered by the agricultural education teacher in a shop setting. The course is intended to provide students with experiential learning opportunities as they perform "hands-on" skills specified in the curriculum under the direct supervision of the agriculture teacher. This "learning to do" philosophy will enable students to understand curriculum content so that they may pass the Briggs and Stratton Competency Exam and receive certification from Briggs and Stratton. English, language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: Yes **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: North Carolina Competency Certification
- Aligned CTSO: North Carolina FFA Association and National FFA Organization

ARCHITECTURE & CONSTRUCTION

Construction and Maintenance/Operations

National Pathways: Construction and Maintenance/Operations Carpentry Career Pathway (CARP)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC00 Core and Sustainable Construction	IC21 Carpentry I	IC22 Carpentry II	IC23 Carpentry III *or* WB05 CTE Advanced Studies ARCH *or* WB06 Apprenticeship ARCH *or* WB07 CTE Internship ARCH *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

CONSTRUCTION CORE IC002X0 **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all the NCCER curriculum- area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, material handling, basic communication skills, basic employability skills, and "Your Role in the Green Environment". The additional Green module has been added to provide students with instruction in the green environment, green construction practices, and green building rating systems. Also it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English Language Arts and Mathematics are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: No **School Based Enterprises**: No **Service Learning:** No
- Aligned Industry Credential: NCCER and the OSHA 10-Hour Construction Industry Certifications
- Affiliated CTE Student Organization: SkillsUSA

CARPENTRY I IC212X0 **1 CREDIT**

Prerequisite: IC00 Construction Core

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

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

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship:** Yes **Job Shadowing**: Yes **Mentorships**: No **School Based Enterprises**: Yes **Service Learning**: Yes
- Aligned Industry Credential: NC NCCER Credential-Carpentry I
- Affiliated CTE Student Organization: SkillsUSA

CARPENTRY II (HONORS) IC225X0 **1 CREDIT**

Prerequisite: IC21 Carpentry I

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

In addition to the standard course requirements for Carpentry II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: No **Service Learning**: Yes
- Aligned Industry Credential: NCCER and the OSHA 10-Hour Construction Industry Certifications Affiliated CTE Student Organization: SkillsUSA
- Affiliated CTE Student Organization: SkillsUSA

CARPENTRY III (HONORS)   **IC235X0   1 CREDIT**

Prerequisite: IC22 Carpentry II

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

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

- Work Based Learning Opportunities: **Apprenticeship: Yes Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship:** Yes **Job Shadowing**: Yes **Mentorships:** Yes **School Based Enterprises:** Yes **Service Learning**: Yes
- Aligned Industry Credential: NC NCCER Credential-Carpentry III
- Affiliated CTE Student Organization: SkillsUSA

National Pathways: Construction and Maintenance/Operations Electrical Trades Career Pathway (ELTR)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC00 Core and Sustainable Construction	IC41 Electrical Trades I	IC42 Electrical Trades II	IC43 Electrical Trades III *or* WB05 CTE Advanced Studies ARCH *or* WB06 Apprenticeship ARCH *or* WB07 CTE Internship ARCH *or* Cooperative Education
Supplemental Career Employability Skills Courses	"BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I"		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

CONSTRUCTION CORE   **IC002X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all the NCCER curriculum- area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, material handling, basic communication skills, basic employability skills, and "Your Role in the Green Environment". The additional Green module has been added to provide students with instruction in the green environment, green construction practices, and green building rating systems. Also it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English Language Arts and Mathematics are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial:** No **Internship:** Yes **Job Shadowing**: Yes **Mentorships**: No **School Based Enterprises**: No **Service Learning**: No
- Aligned Industry Credential: NCCER and the OSHA 10-Hour Construction Industry Certifications
- Affiliated CTE Student Organization: SkillsUSA

ELECTRICAL TRADES I   **IC412X0   1 CREDIT**

Prerequisite: IC00 Construction Core

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

This course covers basic electrical trades' terminology and develops technical aspects of electrical trades with emphasis on the development of introductory skills, such as residential wiring, electrical installation, and service. Topics include orientation to the electrical trade, electrical safety, introduction to electrical circuits, electrical theory, introduction to the National Electric Code, device boxes, hand bending techniques, raceways and fittings, and introduction to weatherization. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: No **Service Learning**: Yes
- Aligned Industry Credential: NC NCCER Credential-Electrical Trades I
- Affiliated CTE Student Organization: SkillsUSA

ELECTRICAL TRADES II (HONORS)   IC425X0   1 CREDIT

Prerequisite: IC41 Electrical Trades I
Recommended Maximum Enrollment: 20

Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

This course builds on skills mastered in Electrical Trades I and provides an emphasis on conductors and cables, construction drawings, residential electric services, electrical test equipment usage, alternating current (A/C) theory, grounding and bonding techniques, motors: theory and application, and electric lighting to structures. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships:** Yes **School Based Enterprises**: No **Service Learning:** Yes
- Aligned Industry Credential: NC NCCER Credential-Electrical Trades II
- Affiliated CTE Student Organization: SkillsUSA

ELECTRICAL TRADES III (HONORS)   IC435X0   1 CREDIT

Prerequisite: IC42 Electrical Trades II
Recommended Maximum Enrollment: 20

Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

This course builds on skills mastered in Electrical Trades II and provides an emphasis on conduit bending techniques, pull and junction boxes, conductor installations, cable tray, conductor terminations and splices, circuit breakers and fuses, and control systems and fundamental concepts. Upon successful completion of this course, students should be prepared to enter the workforce as an electrical helper and/or continuing education towards degrees in Construction Management or Electrical Engineering. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship:** Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: No **Service Learning**: Yes
- Aligned Industry Credential: NC NCCER Credential-Electrical Trades III

National Pathways: Construction and Maintenance/Operations Masonry Career Pathway (MASO)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC00 Core and Sustainable Construction	IC11 Masonry I	IC12 Masonry II	IC13 Masonry III *or* WB05 CTE Advanced Studies ARCH *or* WB06 Apprenticeship ARCH *or* WB07 CTE Internship ARCH *or* Cooperative Education
Supplemental Career Employability Skills Courses	"BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I"		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Construction Management Technology		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

CONSTRUCTION CORE   IC002X0   1 CREDIT

Prerequisite: None
Recommended Maximum Enrollment: 20

This course covers the National Center for Construction Education and Research (NCCER) Core certification modules required for all the NCCER curriculum- area programs, and an additional Green module. The course content includes basic safety, introduction to construction math, introduction to hand tools, introduction to power tools, introduction to blueprints, material handling, basic communication skills, basic employability skills, and "Your Role in the Green Environment". The additional Green module has been added to provide students with instruction in the green environment, green construction practices, and green building rating systems. Also it will help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. English Language Arts and Mathematics are reinforced.

- Work Based Learning Opportunities: **Apprenticeship:** Yes **Industry Field Trips:** Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: No **School Based Enterprises**: No **Service Learning**: No
- Aligned Industry Credential: NCCER and the OSHA 10-Hour Construction Industry Certifications
- Affiliated CTE Student Organization: SkillsUSA

MASONRY I (HONORS)   **IC115X0**   **1 CREDIT**

Prerequisite: IC00 Construction Core
Recommended Maximum Enrollment: 20
Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.
This course covers basic masonry terminology and develops technical aspects of the masonry industry with emphasis on the development of introductory skills to include the introduction to masonry, masonry tools and equipment, measurement, drawings and specifications, mortar procedures, and masonry units and installation techniques. Mathematics and English language arts are reinforced.
● Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education:** Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises:** No **Service Learning**: Yes
● Aligned Industry Credential: NC NCCER Credential-Masonry I
● Affiliated CTE Student Organization: SkillsUSA

MASONRY II   **IC122X0**   **1 CREDIT**

Prerequisite: IC11-Masonry I
Recommended Maximum Enrollment: 20
Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.
This course builds on skills mastered in Masonry I and provides an emphasis on residential plans and drawing interpretation, residential masonry, grout and other reinforcement processes, metalwork in masonry, and the introduction to weatherization. English language arts and mathematics are reinforced.
● Work Based Learning Opportunities: **Apprenticeship:** Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing:** Yes **Mentorships**: Yes **School Based Enterprises**: No **Service Learning**: Yes
● Aligned Industry Credential: NC NCCER Credential-Masonry II
● Affiliated CTE Student Organization: SkillsUSA

MASONRY II (HONORS)   **IC125X0**   **1 CREDIT**

Prerequisite: IC11-Masonry I
Recommended Maximum Enrollment: 20
Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.
In addition to the standard course requirements for Masonry II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.
● Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial:** No **Internship:** Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: No **Service Learning:** Yes
● Aligned Industry Credential: NC NCCER Credential-Masonry II
● Affiliated CTE Student Organization: SkillsUSA

MASONRY III (HONORS)   **IC135X0**   **1 CREDIT**

Prerequisite: IC12-Masonry II
Recommended Maximum Enrollment: 20
Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.
This course builds on skills mastered in Masonry II and provides an emphasis on advanced laying techniques, construction techniques and moisture control procedures, and construction, inspection and quality control processes. Introductory skills for the Crew Leader are also introduced in this course.
● Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial:** No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises**: No **Service Learning**: Yes
● Aligned Industry Credential: NC NCCER Credential-Masonry III
● Affiliated CTE Student Organization: SkillsUSA

Design/Pre-Construction

National Pathway: Design/Pre-Construction Drafting Architectural Career Pathway (DRFA)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IC61 Drafting I	IC62 Drafting II – Architectural	IC63 Drafting III – Architectural *or* WB05 CTE Advanced Studies ARCH *or* WB06 Apprenticeship ARCH *or* WB07 CTE Internship ARCH *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	FI21 Interior Design Fundamentals CS11 Project Management I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

DRAFTING I   **IC612X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Autodesk Certified User AutoCAD
- Affiliated CTE Student Organization: SkillsUSA

DRAFTING II- ARCHITECTURAL (HONORS)   **IC625X0**   **1 CREDIT**

Prerequisite: IC61 Drafting I

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Autodesk Certified User Revit
- Affiliated CTE Student Organization: SkillsUSA

DRAFTING III- ARCHITECTURAL (HONORS)   **IC635X0**   **1 CREDIT**

Prerequisite: IC62 Drafting II- Architectural

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Autodesk Certified User Revit
- Affiliated CTE Student Organization: SkillsUSA

INTERIOR DESIGN FUNDAMENTALS   **FI212X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

<table>
<tr><td colspan="4" align="center">National Pathway: Design/Pre-Construction
Interior Design Career Pathway (INDE)</td></tr>
<tr><td align="center">Recommended</td><td align="center">Prerequisite</td><td align="center">Concentrator</td><td align="center">Career Pathway Major</td></tr>
<tr><td align="center">IC61 Drafting I</td><td align="center">FI21 Interior Design Fundamentals</td><td align="center">FI22 Interior Design Studio
<i>or</i>
FI23 Interior Design Technology</td><td align="center">WB05 CTE Advanced Studies ARCH <i>or</i>
WB06 Apprenticeship ARCH <i>or</i>
WB07 CTE Internship ARCH <i>or</i>
Cooperative Education</td></tr>
<tr><td align="center">Supplemental Career Employability Skills Courses</td><td colspan="3" align="center">BM10 Microsoft Word and PowerPoint
CC45 Career Management
OI00 IB Personal and Professional Skills</td></tr>
<tr><td align="center">Supplemental Technical Courses</td><td colspan="3" align="center">FC11 Principles of Family and Human Services
CS11 Project Management I
II41 Adobe Visual Design I
FA31 Apparel and Textile Production I</td></tr>
<tr><td align="center">Career & College Promise</td><td colspan="3" align="center">Approved Career & College Promise Career Technical Education Pathway</td></tr>
<tr><td colspan="4" align="center">Intracurricular Career and Technical Student Organizations: SkillsUSA and FCCLA</td></tr>
</table>

DRAFTING I   **IC612X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Autodesk Certified User AutoCAD
- Affiliated CTE Student Organization: SkillsUSA

INTERIOR DESIGN FUNDAMENTALS   **FI212X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

INTERIOR DESIGN STUDIO   **FI222X0**   **1 CREDIT**

Prerequisite: FI21 Interior Design Fundamentals

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

INTERIOR DESIGN STUDIO (HONORS)   **FI225X0**   **1 CREDIT**

Prerequisite: FI21 Interior Design Fundamentals

Recommended Maximum Enrollment: 25

In addition to the standard course requirements Interior Design II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

INTERIOR DESIGN TECHNOLOGY (HONORS)   **FI235X0**   **1 CREDIT**

Prerequisite: FI21 Interior Design Fundamentals

Recommended Maximum Enrollment: 20

This course prepares students for entry-level and technical work opportunities in interior design. Students apply design skills through Autodesk Revit software to meet clients' needs using components found in residential and commercial spaces. Art and mathematics are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Autodesk Certified User Revit

PRINCIPLES OF FAMILY AND HUMAN SERVICES   **FC112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

ADOBE VISUAL DESIGN I   **II412X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

ARTS, AV TECHNOLOGY, & COMMUNICATIONS

Visual Arts

National Career Pathways: Visual Arts and Web & Digital Communications Adobe Academy Career Pathway (ADAC)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
MM51 Marketing	II41 Adobe Visual Design I	II42 Adobe Visual Design II	WB09 CTE Advanced Studies AAVC *or* WB10 CTE Apprenticeship AAVC *or* WB11 CTE Internship AAVC *or* Cooperative Education
	II41 Adobe Visual Design I	II43 Adobe Digital Design I *or* II45 Adobe Video Design I	
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

MARKETING   **MM512X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.

- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ADOBE VISUAL DESIGN I   **II412X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

ADOBE VISUAL DESIGN I (HONORS)   **II415X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In addition to the standard course requirements for Adobe Visual Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

ADOBE VISUAL DESIGN II   **II422X0**   **1 CREDIT**

Prerequisite: II41 Adobe Visual Design I
Recommended Maximum Enrollment: 25
This course builds on student design and development skills by focusing on longer print production projects as well as more in-depth content and advanced techniques for graphics and layout development. Students continue to produce rich print communications as they focus on effective graphic design, project management, design specifications, and iterative development. Students develop graphic design and print production skills that solve specific communication challenges to meet client and audience needs. This course is aligned to the Adobe Certified Associate InDesign certification, and also integrates Adobe Photoshop and Adobe Illustrator skills. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No   Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: InDesign

ADOBE DIGITAL DESIGN I   **II432X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
This course is a project-based course that develops career and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Dreamweaver

ADOBE DIGITAL DESIGN I (HONORS)   **II435X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
In addition to the standard course requirements for Adobe Digital Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Dreamweaver

ADOBE VIDEO DESIGN I   **II452X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
This course is a project-based video course that develops career and communication skills in video production using Adobe tools. This course is aligned to Adobe Premiere certification. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Premiere Pro

ADOBE VIDEO DESIGN I (HONORS)   **II455X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
In addition to the standard course requirements for Adobe Video Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Premiere Pro

National Pathway: Visual Arts Apparel and Textile Production Career Pathway (ATPR)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FC11 Principles of Family and Human Services	FA31 Apparel and Textile Production I	FA32 Apparel and Textile Production II	WB09 CTE Advanced Studies AAVC *or* WB10 CTE Apprenticeship AAVC *or* WB11 CTE Internship AAVC *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	MI21 Fashion Merchandising ME11 Entrepreneurship I II41 Adobe Visual Design CS11 Project Management I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

PRINCIPLES OF FAMILY AND HUMAN SERVICES **FC112X0** **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

APPAREL AND TEXTILE PRODUCTION I **FA312X0** **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

APPAREL AND TEXTILE PRODUCTION II **FA322X0** **1 CREDIT**

Prerequisite: FA31 Apparel and Textile Production I

Required Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

APPAREL AND TEXTILE PRODUCTION II (HONORS)   **FA325X0**   **1 CREDIT**

Prerequisite: FA31 Apparel and Textile Production I

Required Maximum Enrollment: 20

In addition to the standard course requirement for Apparel and Textile Production II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

FASHION MERCHANDISING   **MI212X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed to simulate a comprehensive experience of the business of fashion. The experience should bring alive the economics, distribution, promotion, and retail of fashion, and essential strategies of promoting and selling fashion. Upon completion of the course, students should be ready for entry-level fashion retail work or post-secondary education. English, mathematics, social studies, and technology are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: None

ADOBE VISUAL DESIGN I   **II412X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

ENTREPRENEURSHIP I   **ME112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

ENTREPRENEURSHIP I (HONORS)   **ME115X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Entrepreneurship I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

National Pathways: Visual Arts and Programming & Software Development Digital Design and Animation Career Pathway (DIDE)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	TS24 Digital Design and Animation I	TS25 Digital Design and Animation II	WB09 CTE Advanced Studies AAVC *or* WB10 CTE Apprenticeship AAVC *or* WB11 CTE Internship AAVC *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	II43 Adobe Digital Design ME11 Entrepreneurship I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Technology Student Association (TSA)			

ADOBE VISUAL DESIGN I   **II412X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes   Entrepreneurial: No   Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

ADOBE VISUAL DESIGN I (HONORS)   **II415X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In addition to the standard course requirements for Adobe Visual Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes   Entrepreneurial: No   Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

DIGITAL DESIGN & ANIMATION I   **TS242X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

DIGITAL DESIGN & ANIMATION II   **TS252X0**   **1 CREDIT**

Prerequisite: Digital Design and Animation I

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: 3ds Max Certified Associate

ADOBE DIGITAL DESIGN I   **II432X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
This course is a project-based course that develops career and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Dreamweaver

ADOBE DIGITAL DESIGN I (HONORS)   **II435X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
In addition to the standard course requirements for Adobe Digital Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Dreamweaver

ENTREPRENEURSHIP I   **ME112X0**   **1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

ENTREPRENEURSHIP I (HONORS)   **ME115X0**   **1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
In addition to the standard course requirements for Entrepreneurship I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

National Pathways: Visual Arts and Programming & Software Development Game Art Design Career Pathway (GAAR)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	TS24 Digital Design and Animation I	TS31 Game Art Design	TS32 Advanced Game Design *or* WB09 CTE Advanced Studies AAVC *or* WB10 CTE Apprenticeship AAVC *or* WB11 CTE Internship AAVC *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	II43 Adobe Digital Design MM51 Marketing		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Technology Student Association (TSA)			

ADOBE VISUAL DESIGN I   **II412X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

ADOBE VISUAL DESIGN I (HONORS)   **II415X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In addition to the standard course requirements for Adobe Visual Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

DIGITAL DESIGN & ANIMATION I   **TS242X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: Technology Student Association (TSA)

GAME ART DESIGN   **TS312X0**   **1 CREDIT**

Prerequisite: TS24 Digital Design and Animation I

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: No Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: Technology Student Association (TSA)

GAME ART DESIGN (HONORS)   **TS315X0**   **1 CREDIT**

Prerequisite: TS24 Digital Design and Animation I

Recommended Maximum Enrollment: 20

In addition to the standard course requirements for Game Art Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: No Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: Technology Student Association (TSA)

ADVANCED GAME ART AND DESIGN   **TS322X0**   **1 CREDIT**

Prerequisite: TS31 Game Art and Design
Recommended Maximum Enrollment: 20
This course is a continuation in the study of game design. Emphasis is placed on working collaboratively as a team and creating 3-D game-ready assets and environments. Students will recognize roles in a game development team, create and pitch an original game idea and understand production management in a team environment. They will gain understanding of higher-level game design concepts such as interface design, flow, and affordance. They will utilize current industry standard AAA game engines to produce a finished multilevel game. Lastly students will produce a postmortem and update their work in their game design portfolio. Art, English language arts, mathematics and science are reinforced.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: Technology Student Association (TSA)

ADOBE DIGITAL DESIGN I   **II432X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
This course is a project-based course that develops career and communication skills in Web design using Adobe tools. This course is aligned to Adobe Dreamweaver certification. English language arts are reinforced.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Dreamweaver

ADOBE DIGITAL DESIGN I (HONORS)   **II435X0**   **1 CREDIT**

Prerequisite: II42 Adobe Visual Design II
Recommended Maximum Enrollment: 25
In addition to the standard course requirements for Adobe Digital Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Dreamweaver

MARKETING   **MM512X0**   **1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

BUSINESS MANAGEMENT & ADMINISTRATION

General Management

National Pathway: General Management General Management Career Pathway (GMGT)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BF10 Business Essentials	BB40 Business Management I	BB42 Business Management II	WB13 CTE Advanced Studies BMA *or* WB14 CTE Apprenticeship BMA *or* WB15 CTE Internship BMA *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BB50 IB Business Management BA10 Accounting I BB30 Business Law BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

BUSINESS ESSENTIALS　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**BF102X0**　　**1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

BUSINESS MANAGEMENT I　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**BB402X0**　　**1 CREDIT**

Prerequisite: BF10 Business Essentials

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

BUSINESS MANAGEMENT II　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**BB422X0**　　**1 CREDIT**

Prerequisite: BB40 Business Management I

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ACCOUNTING I   **BA102X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

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

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
● Aligned Industry Credential: None

ACCOUNTING I (HONORS)   **BA105X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Accounting I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
● Aligned Industry Credential: None

BUSINESS LAW   **BB302X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

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

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
● Aligned Industry Credential: None

BUSINESS LAW (HONORS)   **BB305X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Business Law, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
● Aligned Industry Credential: None

National Pathways: Operations Management and General Management Entrepreneurship Career Pathway (ENTRE)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BF10 Business Essentials	ME11 Entrepreneurship I	ME12 Entrepreneurship II	WB13 CTE Advanced Studies BMA *or* WB14 CTE Apprenticeship BMA *or* WB15 CTE Internship BMA *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BA10 Accounting I MM51 Marketing BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: An association for Marketing Education students (DECA) and Future Business Leaders of America (FBLA)			

BUSINESS ESSENTIALS   **BF102X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ENTREPRENEURSHIP I   **ME112X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

ENTREPRENEURSHIP I (HONORS)   **ME115X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Entrepreneurship I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

ENTREPRENEURSHIP II (HONORS)   **ME125X0   1 CREDIT**

Prerequisite: ME11 Entrepreneurship I

Recommended Maximum Enrollment: 25

 In this course, students continue the development of a business idea and develop an understanding of pertinent decisions to be made for business positioning, financing, staffing, and profit planning. Students acquire in-depth understanding of business regulations, risks, management, and marketing and will develop a business plan. English language arts, mathematics, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

ACCOUNTING I   **BA102X0   1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ACCOUNTING I (HONORS)   **BA105X0   1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Accounting I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MARKETING   **MM512X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MICROSOFT EXCEL (HONORS)   **BM205X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

Operations Management

National Pathway: Operations Management Project Management Career Pathway (PMGT)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BF10 Business Essentials	CS11 Project Management I	CS12 Project Management II	CS13 Project Management III *or* WB13 CTE Advanced Studies BMA *or* WB14 CTE Apprenticeship BMA *or* WB15 CTE Internship BMA *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: An association for Marketing Education students (DECA) Future Business Leaders of America (FBLA)			

BUSINESS ESSENTIALS   **BF102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

PROJECT MANAGEMENT I   **CS112X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

PROJECT MANAGEMENT I HONORS   **CS115X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

This Honors course extends learning of Project Management I by providing opportunities for students to develop and demonstrate critical thinking, problem solving, and application skills by selecting, investigating, and presenting on real-world problems associated with managing projects. Students will communicate and collaborate with peers and provide feedback throughout the project.

PROJECT MANAGEMENT II   **CS122X0**   **1 CREDIT**

Prerequisite: CS11 Project Management I

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

This course will develop advanced project management skills. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The facilitating concepts of quality management, human resources, communication management, risk management, procurement management, and stakeholder management will be examined during this course.

- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: PMI Project Management Ready Certification

MICROSOFT EXCEL (HONORS)   **BM205X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

Education

<table>
<tr><td colspan="4" align="center">National Pathway: Teaching/Training
Teaching/Training Career Pathway (TETR)</td></tr>
<tr><td align="center">Recommended</td><td align="center">Prerequisite</td><td align="center">Concentrator</td><td align="center">Career Pathway Major</td></tr>
<tr><td align="center">FE60 Child Development</td><td align="center">FE21 Teaching as a Profession I</td><td align="center">FE22 Teaching as a Profession II
FE23 Teaching as a Profession II Field Experience (co-requisite)</td><td></td></tr>
<tr><td align="center">Supplemental Career Employability Skills Courses</td><td colspan="3" align="center">BM10 Microsoft Word and PowerPoint
CC45 Career Management
OI00 IB Personal and Professional Skills</td></tr>
<tr><td align="center">Supplemental Technical Courses</td><td colspan="3" align="center">FC11 Principles of Family and Human Services
FE11 Early Childhood Education I</td></tr>
<tr><td align="center">Career & College Promise</td><td colspan="3" align="center">Approved Career & College Promise Career Technical Education Pathway</td></tr>
<tr><td colspan="4" align="center">Intracurricular Career and Technical Student Organizations: Family,
Career and Community Leaders of America (FCCLA)</td></tr>
</table>

CHILD DEVELOPMENT   **FE602X0   1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

This course introduces students to responsible nurturing and basic application of child development theory, beginning with prenatal development up to children age 5. Areas of study include effects of family on individuals and society; prenatal development and care; understanding how children develop; and care of infants, toddlers, and preschoolers.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

TEACHING AS A PROFESSION I (HONORS)   **FE215X0   1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 20

This college level course is designed to encourage students who possess a high level of academic achievement and those personality traits found in good teachers 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.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

TEACHING AS A PROFESSION II (HONORS)   **FE225X0   1 CREDIT**

Prerequisite: FE21 Teaching as a Profession I

Co-requisite: FE23 Teaching as a Profession II Field Experience

Required Maximum Enrollment: 20

This course is designed to encourage students to further pursue teaching as a career. 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.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

TEACHING AS A PROFESSION II FIELD EXPERIENCE   **FE236X0   1 CREDIT**

Prerequisite: FE22 Teaching as a Profession II

Required Maximum Enrollment: 20

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 assists in developing pedagogical skills, knowledge, and characteristics necessary for effective teaching.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

PRINCIPLES OF FAMILY AND HUMAN SERVICES   **FC112X0**   **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

EARLY CHILDHOOD EDUCATION I   **FE112X0**   **2 CREDITS**

Prerequisite: FE60 Child Development AND students must be 15 by September 1.

Required Maximum Enrollment: 20

Note: For safety reasons and intern placement, enrollment should not exceed 20 in this course.

This two-credit course prepares students to work with children in early childhood education settings. Topics of study include historical, theoretical, and philosophical foundations of the profession, the structure of early childhood programs, connecting appropriate learning activities and teaching strategies to developmental needs of children, inclusive environments, communicating expectations, setting limits, and guiding behavior, as well as personal growth in the field of child development. An internship makes up 50 percent of instructional time. Due to student participation in internships at early childhood centers that are licensed by the Division of Child Development and Early Education meet NC Child Care General Statute, students must be 15 years of age before September 1 .

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: CPR, First Aid, North Carolina Early Childhood Credential Equivalency (NCECC)

FINANCE

Accounting

National Pathway: Accounting Accounting Career Pathway (ACCT)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BF10 Business Essentials	BA10 Accounting I	BA20 Accounting II *or* BA30 College-Level Accounting Honors	WB21 CTE Advanced Studies FINA *or* WB22 CTE Apprenticeship FINA *or* WB23 CTE Internship FINA *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BF05 Personal Finance BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

BUSINESS ESSENTIALS   **BF102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ACCOUNTING I   **BA102X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ACCOUNTING I (HONORS)   **BA105X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Accounting I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ACCOUNTING II (HONORS)   **BA205X0**   **1 CREDIT**

Prerequisite: BA10 Accounting I

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Intuit QuickBooks Certified User

MICROSOFT EXCEL (HONORS)   **BM205X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

Securities and Investments

<table>
<tr><td colspan="4" align="center">**National Pathway: Securities and Investments**
Financial Securities and Investments Career Pathway (FSIN)</td></tr>
<tr><td align="center">**Foundational Prerequisite**</td><td align="center">**Prerequisite**</td><td align="center">**Concentrator**</td><td align="center">**Career Pathway Major**</td></tr>
<tr><td align="center">BF10 Business Essentials</td><td align="center">BF21 Wealth Building</td><td align="center">BF22 Wealth Management</td><td align="center">WB21 CTE Advanced Studies FINA *or* WB22 CTE Apprenticeship FINA *or* WB23 CTE Internship FINA *or* Cooperative Education</td></tr>
<tr><td align="center">**Supplemental Career Employability Skills Courses**</td><td colspan="3" align="center">BM10 Microsoft Word and PowerPoint
CC45 Career Management
OI00 IB Personal and Professional Skills</td></tr>
<tr><td align="center">**Supplemental Technical Courses**</td><td colspan="3" align="center">BF05 Personal Finance
BM20 Microsoft Excel
BM40 Microsoft Access</td></tr>
<tr><td align="center">**Career & College Promise**</td><td colspan="3" align="center">Approved Career & College Promise Career Technical Education Pathway</td></tr>
<tr><td colspan="4" align="center">**Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)**</td></tr>
</table>

BUSINESS ESSENTIALS   **BF102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

FINANCIAL PLANNING I   **BF212X0**   **1 CREDIT**

Prerequisite: BF10 Business Essentials

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

FINANCIAL PLANNING II   **BF222X0**   **1 CREDIT**

Prerequisite: BF21 Financial Planning I

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

MICROSOFT EXCEL (HONORS)   **BM205X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks

independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS), Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

HEALTH SCIENCE

Therapeutic Services, Diagnostic Services, Health Informatics, Support Services

National Pathway: Therapeutic Services Healthcare Professional Career Pathway (HPCP)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
HU10 Foundations of Health Science	HU40 Health Science I	HU42 Health Science II	HN43 Nursing Fundamentals and Practicum (2 credits) *or* HN44 Fundamentals of Gerontology *or* HN45 Public Health Fundamentals *or* WB29 CTE Advanced Studies HLTH *or* WB30 CTE Apprenticeship HLTH *or* WB31 CTE Internship HLTH
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	HH32 Pharmacy Technician		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Introduction to Medical Assisting WTCC Nurse Aide		
Intracurricular Career and Technical Student Organizations: HOSA Future Health Professionals			

FOUNDATIONS OF HEALTH SCIENCE   **HU102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed for students to acquire foundational knowledge pertinent to healthcare professionals. Topics include advancements in healthcare, medical terminology, mathematics used in healthcare, the domains of healthcare, and in-demand healthcare careers. Students will enhance their communication, leadership, and career decision-making skills. English language arts and mathematics are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE I   **HU402X0**   **1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.

Recommended Maximum Enrollment: 30

This course is developed to focus on human anatomy, physiology, and human body diseases and disorders, and recognizing and responding to first aid emergencies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE I (HONORS)   **HU405X0   1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.
Recommended Maximum Enrollment: 30
In addition to the standard course requirements of Health Science I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be extended to take and pass the appropriate industry certification exam associated with the course, if available.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE II   **HU422X0   1 CREDIT**

Prerequisite: HU40 Health Science I OR HP71 PLTW Human Body Systems
Recommended Maximum Enrollment: 20
This course is developed to help students expand their understanding of the healthcare industry; including employability skills, safety and infection control procedures, and clinical skills used by allied health professionals. In addition, students will demonstrate their understanding of cardiovascular and respiratory systems by applying BLS CPR skills. Projects, teamwork, and demonstrations serve as instructional strategies to reinforce the curriculum content. English language arts and science are reinforced in this course
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: CPR/AED, OSHA 10-Hour Industry (Healthcare) Certification, Stop the Bleed
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE II (HONORS)   **HU425X0   1 CREDIT**

Prerequisite: HU40 Health Science I OR HP71 PLTW Human Body Systems
Recommended Maximum Enrollment: 20
In addition to the standard course requirements Health Science II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: CPR/AED, OSHA 10-Hour Industry (Healthcare) Certification, Stop the Bleed
- Aligned CTSO: HOSA-Future Health Professionals

NURSING FUNDAMENTALS AND NON-PRACTICUM (HONORS)   **HN425X0   2 CREDITS**

Prerequisite: HU42 Health Science II
This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Nursing Service Regulation (DHSR) Nurse Aide I (NA I) Curriculum. English and language arts, mathematics, and science are reinforced. This course is for students that do not attend clinical. Students are enrolled in HN43 Nursing Fundamentals and Practicum when determined that they are unable to attend clinical. Students will then be transferred to HN42 Nursing Fundamentals and Non-Practicum. *Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.0318(i), which requires the ratio of teacher to HN42 Nurse Aide students be 1:10 or less while in the clinical area. DHSR applies this 1:10 ratio to the classroom and laboratory training area.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: None
- Aligned CTSO: HOSA-Future Health Professionals

NURSING FUNDAMENTALS AND PRACTICUM (HONORS)   **HN435X0   2 CREDITS**

Prerequisite: HU42 Health Science II
Enrollment is limited per North Carolina Board of Nursing (BON) Administrative Rule 21 NCAC 36.0318(i), which requires the ratio of teacher to HN43 Nurse Aide students be 1:10 or less while in the clinical area. DHSR applies this 1:10 ratio to the classroom and laboratory training area. HN43 Nursing Fundamentals is total Nurse Aide 1 training. Maximum enrollment for one teacher for one section of students is ten in HN43 Nursing Fundamentals.
This course is designed for students interested in medical careers where personal care and basic nursing skills are used. This course is an enhanced adaptation of the North Carolina Division of Health Service Regulation (DHSR) Nurse Aide I (NAI) curriculum and helps prepare students for the National Nurse Aide Assessment (NNAAP). Students who pass the NNAAP become listed on the NC NAI Registry. English language arts, mathematics, and science are reinforced.
- Work Based Learning Opportunities: Apprenticeship: Yes   Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: North Carolina Nurse Aide I
- Aligned CTSO: HOSA-Future Health Professionals

PHARMACY TECHNICIAN (HONORS)   **HH325X0**   **1 CREDIT**

Prerequisite: HU32 Health Science II

Recommended Maximum Enrollment: 20

This course has self-paced, on-line instruction designed to prepare high school seniors for a pharmacy technician career. Topics included in this course are federal law, medication used in major body systems, calculations, and pharmacy operations. Mathematics is reinforced in this course. This course is accredited by the Accreditation Council for Pharmacy Education (APCE). Upon successful completion of this course and after graduation, the student is eligible to take the Pharmacy Technician Certification Board (PTCB) exam.

- Work Based Learning Opportunities: **Apprenticeship**: Yes **Industry Field Trips**: Yes **Cooperative Education**: Yes **Entrepreneurial**: No **Internship**: Yes **Job Shadowing**: Yes **Mentorships**: Yes **School Based Enterprises:** No **Service Learning**: Yes
- Aligned Industry Credential: CPHT Certified Pharmacy Technician
- Aligned CTSO: HOSA-Future Health Professionals

Biotechnology Research and Development

National Pathway: Biotechnology Research and Development Biomedical Technology Career Pathway (BTCP)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
HU10 Foundations of Health Science	HU40 Health Science I	HB11 Biomedical Technology	HL21 Biomedical Innovations *or* WB29 CTE Advanced Studies HLTH *or* WB30 CTE Apprenticeship HLTH *or* WB31 CTE Internship HLTH
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	HU42 Health Science II HH32 Pharmacy Technician		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: HOSA Future Health Professionals			

FOUNDATIONS OF HEALTH SCIENCE   **HU102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed for students to acquire foundational knowledge pertinent to healthcare professionals. Topics include advancements in healthcare, medical terminology, mathematics used in healthcare, the domains of healthcare, and in-demand healthcare careers. Students will enhance their communication, leadership, and career decision-making skills. English language arts and mathematics are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE I   **HU402X0**   **1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.

Recommended Maximum Enrollment: 30

This course is developed to focus on human anatomy, physiology, and human body diseases and disorders, and recognizing and responding to first aid emergencies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE I (HONORS)   **HU405X0   1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.

Recommended Maximum Enrollment: 30

In addition to the standard course requirements of Health Science I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be extended to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

BIOMEDICAL TECHNOLOGY   **HB112X0   1 CREDIT**

Prerequisite: HU40 Health Science I or HP71 PLTW Human Body Systems

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None
- Aligned CTSO: HOSA-Future Health Professionals

BIOMEDICAL TECHNOLOGY HONORS   **HB115X0   1 CREDIT**

Prerequisite: HU40 Health Science I or HP71 PLTW Human Body Systems

Recommended Maximum Enrollment: 30

The Honors Biomedical Technology curriculum will extend the essential standards of Biomedical Technology as found in the NC CTE Course Blueprint. In addition to these essential standards, the Biomedical Technology honors student will expand their knowledge of academic, technical and employability skills of the Biomedical Technology industry. The goal of the honors curriculum is to increase students' understanding of medical and healthcare practices using technology and advances in health care research.

BIOMEDICAL INNOVATIONS (HONORS)   **HL215X0   1 CREDIT**

Prerequisite: HB11 Biomedical Technology

Recommended Maximum Enrollment: 20

This course expands on the biomedical technology topics from Biomedical Technology I with focus on bioethics (vaccines, human experimentation, genetics), lab techniques and biomedical equipment applications, biomanufacturing, and the impact of biotechnology on global health and medical innovation.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None
- Aligned CTSO: HOSA-Future Health Professionals

PHARMACY TECHNICIAN (HONORS)   **HH325X0   1 CREDIT**

Prerequisite: HU32 Health Science II

Recommended Maximum Enrollment: 20

This course has self-paced, on-line instruction designed to prepare high school seniors for a pharmacy technician career. Topics included in this course are federal law, medication used in major body systems, calculations, and pharmacy operations. Mathematics is reinforced in this course. This course is accredited by the Accreditation Council for Pharmacy Education (APCE). Upon successful completion of this course and after graduation, the student is eligible to take the Pharmacy Technician Certification Board (PTCB) exam.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: CPHT Certified Pharmacy Technician
- Aligned CTSO: HOSA-Future Health Professionals

HOSPITALITY & TOURISM

Restaurant and Food and Beverage Service

National Pathway: Restaurant and Food/Beverage Service Culinary Arts Applications Career Pathway (CULA)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FH10 Culinary Arts & Hospitality I	FH11 Culinary Arts & Hospitality II Applications	FH13 Culinary Arts & Hospitality III	FH14 Culinary Arts & Hospitality IV Applications *or* WB33 CTE Advanced Studies HOSP *or* WB34 CTE Apprenticeship HOSP *or* WB35 CTE Internship HOSP *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	FN41 Food and Nutrition I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

CULINARY ARTS AND HOSPITALITY I　　　　　　　　　　　　　　　　　　　　　　　　　　　　**FH102X0**　　**1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 20

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

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

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes

● Aligned Industry Credential: Certified Food Protection Manager (ANSI Accredited)

CULINARY ARTS AND HOSPITALITY II APPLICATIONS　　　　　　　　　　　　　　　　　　　　**FH112X0**　　**1 CREDIT**

Prerequisite: FH10 Culinary Arts and Hospitality I

Required Maximum Enrollment: 20

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

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: Certified Food Protection Manager (ANSI Accredited)

CULINARY ARTS AND HOSPITALITY III　　　　　　　　　　　　　　　　　　　　　　　　　**FH132X0**　　**1 CREDIT**

Prerequisite: FH11 Culinary Arts and Hospitality II Applications OR FH12 Culinary Arts and Hospitality II Internship

Required Maximum Enrollment: 20

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

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

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: ProStart Certificate of Achievement National Restaurant Association Education Foundation

CULINARY ARTS AND HOSPITALITY IV APPLICATIONS   **FH142X0**   **1 CREDIT**

Prerequisite: FH13 Culinary Arts and Hospitality III

Required Maximum Enrollment: 20

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

This course is designed for students to demonstrate their knowledge and skills in advanced food preparation, garde manger, baking and pastry, and food service operations by planning and executing the program's school-based enterprise. The experience includes students preparing and selling a variety of meat, poultry, and seafood entrées served with accompaniments and sauces and yeast breads, desserts, and pastries, while applying human relations management, menu planning, and food service purchasing and receiving. Arts, English and language arts, mathematics, science, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: ProStart Certificate of Achievement National Restaurant Association Education Foundation

FOOD AND NUTRITION I   **FN412X0**   **1 CREDIT**

Prerequisite: FC11 Principles of Family and Human Services recommended

Required Maximum Enrollment: 20

Note: For safety and sanitation reasons, enrollment should not exceed 20 in this course.

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: ANSI-Accredited Food Handler Certificate

National Pathway: Restaurant and Food/Beverage Service Culinary Arts Internship Career Pathway (CULI)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FH10 Culinary Arts & Hospitality I	FH12 Culinary Arts & Hospitality II Internship	FH13 Culinary Arts & Hospitality III	FH12 includes a work-based learning experience. A concentrator is automatically a Major.
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	FN41 Food and Nutrition I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

CULINARY ARTS AND HOSPITALITY I   **FH102X0**   **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 20

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

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Certified Food Protection Manager (ANSI Accredited)

CULINARY ARTS AND HOSPITALITY II INTERNSHIP   **FH126X0**   **1 CREDIT**

Prerequisite: FH10 Culinary Arts and Hospitality I

Required Maximum Enrollment: 20

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

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Certified Food Protection Manager (ANSI Accredited)

CULINARY ARTS AND HOSPITALITY III   **FH132X0**   **1 CREDIT**

Prerequisite: FH11 Culinary Arts and Hospitality II Applications OR FH12 Culinary Arts and Hospitality II Internship

Required Maximum Enrollment: 20

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

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: -ProStart Certificate of Achievement National Restaurant Association Education Foundation

FOOD AND NUTRITION I   **FN412X0**   **1 CREDIT**

Prerequisite: FC11 Principles of Family and Human Services recommended

Required Maximum Enrollment: 20

Note: For safety and sanitation reasons, enrollment should not exceed 20 in this course.

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: ANSI-Accredited Food Handler Certificate

Recreation, Amusements and Attractions

National Pathway: Recreation, Amusements and Attractions Sports & Entertainment Marketing Career Pathway (SEMK)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
MM51 Marketing	MH31 Sport & Event Marketing I	MH32 Sport & Event Marketing II	WB33 CTE Advanced Studies HOSP *or* WB34 CTE Apprenticeship HOSP *or* WB35 CTE Internship HOSP *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	CS11 Project Management I ME11 Entrepreneurship I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: An association for Marketing Education students (DECA)			

MARKETING   **MM512X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

SPORT AND EVENT MARKETING I   **MH312X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students are introduced to sport and event industries. Students will develop an understanding of marketing, branding, promotion, media, and marketing data as they relate to the sport and event industries.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: None

SPORT AND EVENT MARKETING II (HONORS)   **MH325X0**   **1 CREDIT**

Prerequisite: MH31 Sport and Event Marketing I

Recommended Maximum Enrollment: 25

In this course, students will apply their knowledge of promotion and marketing for the sport and event industries. The topics to be covered are the marketing environment, promotional activities, communications, product-mix strategies, and financial and economic impacts.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: None

PROJECT MANAGEMENT I   **CS112X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

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

● Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: None

PROJECT MANAGEMENT I HONORS   **CS115X0**   **1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

This Honors course extends learning of Project Management I by providing opportunities for students to develop and demonstrate critical thinking, problem solving, and application skills by selecting, investigating, and presenting on real-world problems associated with managing projects. Students will communicate and collaborate with peers and provide feedback throughout the project.

ENTREPRENEURSHIP I   **ME112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: Venture Entrepreneurial Expedition

ENTREPRENEURSHIP I (HONORS)   **ME115X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Entrepreneurship I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes

● Aligned Industry Credential: Venture Entrepreneurial Expedition

Travel and Tourism

National Pathway: Travel and Tourism Travel & Tourism Career Pathway (TRTO)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BF10 Business Essentials	MH31 Sport & Event Marketing I *or* MM51 Marketing	MH42 Hospitality and Tourism	WB33 CTE Advanced Studies HOSP *or* WB34 CTE Apprenticeship HOSP *or* WB35 CTE Internship HOSP *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	CS11 Project Management I ME11 Entrepreneurship I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: An association for Marketing Education students (DECA)			

BUSINESS ESSENTIALS   **BF102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MARKETING   **MM512X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Affiliated CTE Student Organization: An association for Marketing Education students (DECA)

SPORT AND EVENT MARKETING I   **MH312X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students are introduced to sport and event industries. Students will develop an understanding of marketing, branding, promotion, media, and marketing data as they relate to the sport and event industries.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

HOSPITALITY AND TOURISM   **MH422X0**   **1 CREDIT**

Prerequisite: MM51 Marketing or BF10 Business Essentials or MH31 Sport and Event Marketing I

Recommended Maximum Enrollment: 30

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Certified Guest Service Professional (CGSP)

HOSPITALITY AND TOURISM (HONORS)   **MH425X0**   **1 CREDIT**

Prerequisite: MM51 Marketing or BF10 Business Essentials or MH31 Sport and Event Marketing I
Recommended Maximum Enrollment: 30
In addition to the standard course requirements for Hospitality and Tourism, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Advanced Customer Service and Sales Certification, Fundamental Marketing Concepts, or Certified Guest Service Professional (CGSP)

PROJECT MANAGEMENT I   **CS112X0**   **1 CREDIT**

Prerequisite: None
Recommended for students in grades 10-12
Recommended Maximum Enrollment: 25
This course will introduce students to the principles, concepts, and software applications used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. The core concepts of scope, time, cost, and integration will be examined during this course.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

PROJECT MANAGEMENT I HONORS   **CS115X0**   **1 CREDIT**

Prerequisite: None
Recommended for students in grades 10-12
Recommended Maximum Enrollment: 25

This Honors course extends learning of Project Management I by providing opportunities for students to develop and demonstrate critical thinking, problem solving, and application skills by selecting, investigating, and presenting on real-world problems associated with managing projects. Students will communicate and collaborate with peers and provide feedback throughout the project.

ENTREPRENEURSHIP I   **ME112X0**   **1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
In this course, students evaluate the concepts of going into business for themselves and working for or operating a small business. They become acquainted with channel management, pricing, product/service management, and promotion. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business. Students will be introduced to the Lean Canvas Business Model (LCBM) throughout the course. English language arts and social studies are reinforced.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

ENTREPRENEURSHIP I (HONORS)   **ME115X0**   **1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
In addition to the standard course requirements for Entrepreneurship I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Venture Entrepreneurial Expedition

HUMAN SERVICES

Counseling and Mental Health

Counseling and Mental Health (CMHC)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FC11 Principles of Family and Human Services	FC13 Counseling and Mental Health I	FC14 Counseling and Mental Health II	WB37 CTE Advanced Studies HUMA *or* WB38 CTE Apprenticeship HUMA *or* WB39 CTE Internship HUMA
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

COUNSELING AND MENTAL HEALTH I   **FC132X0**   **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

This course is designed to introduce students to the counseling and mental health field through understanding how to create healthy, respectful, and caring relationships across the life span. Emphasis is placed on understanding mental health, family and friend dynamics, effective communication, and healthy intrapersonal and interpersonal relationships. English/language arts, social studies, and technology are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

COUNSELING AND MENTAL HEALTH II   **FC142X0**   **1 CREDIT**

Prerequisite: FC13 Counseling and Mental Health I

Required Maximum Enrollment: 25

Students in this course will gain a deeper understanding for the counseling and mental health field and factors that affect mental health. Emphasis is placed on understanding the human brain and psyche, theories of development, mental disorders, treatment options, and teen violence issues. Activities engage students in exploring various counseling and mental health careers, while building essential life literacy skills they can apply in their own lives to achieve optimal well-being. English/language arts, social studies, science, technology, interpersonal relationships are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

PRINCIPLES OF FAMILY AND HUMAN SERVICES   **FC112X0**   **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes

- Aligned Industry Credential: None

Early Childhood Development and Services

National Pathway: Early Childhood Development & Services Early Childhood Development & Services Career Pathway (EACH)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FC11 Principles of Family and Human Services	FE60 Child Development	FE11 Early Childhood Education I (2 credit course)	FE12 Early Childhood Education II (2 credit course)
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

PRINCIPLES OF FAMILY AND HUMAN SERVICES **FC112X0** **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

CHILD DEVELOPMENT **FE602X0** **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

This course introduces students to responsible nurturing and basic application of child development theory, beginning with prenatal development up to children age 5. Areas of study include effects of family on individuals and society; prenatal development and care; understanding how children develop; and care of infants, toddlers, and preschoolers.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

EARLY CHILDHOOD EDUCATION I **FE112X0** **2 CREDITS**

Prerequisite: FE60 Child Development **AND** *students must be 15 by September 1.*

Required Maximum Enrollment: 20

Note: For safety reasons and intern placement, enrollment should not exceed 20 in this course.

This two-credit course prepares students to work with children in early childhood education settings. Topics of study include historical, theoretical, and philosophical foundations of the profession, the structure of early childhood programs, connecting appropriate learning activities and teaching strategies to developmental needs of children, inclusive environments, communicating expectations, setting limits, and guiding behavior, as well as personal growth in the field of child development. An internship makes up 50 percent of instructional time. Due to student participation in internships at early childhood centers that are licensed by the Division of Child Development and Early Education meet NC Child Care General Statute, students must be 15 years of age before September 1 .

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: CPR, First Aid, North Carolina Early Childhood Credential Equivalency (NCECC)

EARLY CHILDHOOD EDUCATION II (HONORS) **FE125X0** **2 CREDITS**

Prerequisite: FE11 Early Childhood Education I

Required Maximum Enrollment: 20

Note: For safety reasons and intern placement, enrollment should not exceed 20 in this course.

This two-credit course provides advanced experiences in working with children from infancy to age 12 in early education and childcare settings. Areas of study include program planning and management, developmentally appropriate practice, procedures and strategies for working with special groups of children, career development and professionalism. An internship makes up 50 percent of instructional time.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: CPR, First Aid, NC Early Childhood Credential Equivalency

National Pathway: Therapeutic Services Food & Nutrition Career Pathway (FONU)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
FC11 Principles of Family and Human Services	FN41 Food and Nutrition I	FN42 Food and Nutrition II	FN43 Food Science and Technology *or* WB37 CTE Advanced Studies HUMA *or* WB38 CTE Apprenticeship HUMA *or* WB39 CTE Internship HUMA
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Family, Career and Community Leaders of America (FCCLA)			

PRINCIPLES OF FAMILY AND HUMAN SERVICES   **FC112X0**   **1 CREDIT**

Prerequisite: None

Required Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

FOOD AND NUTRITION I   **FN412X0**   **1 CREDIT**

Prerequisite: FC11 Principles of Family and Human Services recommended

Required Maximum Enrollment: 20

For safety and sanitation reasons, enrollment should not exceed 20 in this course.

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: ANSI-Accredited Food Handler Certificate

FOOD AND NUTRITION II   **FN422X0**   **1 CREDIT**

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

Required Maximum Enrollment: 20

For safety and sanitation reasons, enrollment should not exceed 20 in this course.

In this course, students experience the intersection of nutrition science and food preparation while building skills for an expanding range of career opportunities. Emphasis is placed on health and social responsibility while improving the way people eat. Students learn how to manage food safety: plan and prepare meals for a variety of consumers and clients; and explore the food system and global cuisines. English language arts, social studies, mathematics, science, and technology and interpersonal relationships are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: ANSI-Approved Certified Food Protection Manager

FOOD AND NUTRITION II (HONORS)   **FN425X0**   **1 CREDIT**

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

Required Maximum Enrollment: 20

For safety and sanitation reasons, enrollment should not exceed 20 in this course.

In addition to the standard course requirements for Food and Nutrition II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: ANSI-Approved Certified Food Protection Manager

FOOD SCIENCE AND TECHNOLOGY (HONORS)   **FN435X0   1 CREDIT**

Prerequisite: FN41 Food and Nutrition I AND Environmental Science or Physical Science or Biology or Chemistry
Required Maximum Enrollment: 25
This course explores the food industry from the farm to the table using skills in food science, technology, engineering, and mathematics. Government regulations, emerging trends, biotechnology, and technological career opportunities from scientists to technicians will be presented. The student examines production, processing, preparation, preservation, and packaging principles along the farm to table continuum. The student begins to understand how food technology affects the food that he/she eats. English language arts, science, social studies, and mathematics are reinforced.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: -Food Safety and Science Certification

INFORMATION TECHNOLOGY

Programming and Software Development

National Pathway: Programming and Software Development Computer Science Principles Career Pathway (CSPR)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BP01 Introduction to Computer Science	BP41 Computer Science I	BP42 Computer Science II	2A02 AP Computer Science *or* WB41 CTE Advanced Studies INFO *or* WB42 CTE Apprenticeship INFO *or* WB43 CTE Internship INFO *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BI12 CompTIA IT Fundamentals BI05 IB Information Technology in a Global Society BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

INTRODUCTION TO COMPUTER SCIENCE   **BP012X0   1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
Students with limited or no experience in coding and computer programming will be introduced to core concepts of Computer Science. Students will understand the components of computers and computer programming, ethics in computer science, algorithms, variables, conditional statements, and more. The course will use a combination of making and designing using the revolutionary new micro:bit microcontroller board and the Arcade curriculum with Microsoft's easy and powerful MakeCode block-based coding environment. The Arcade curriculum will help students develop programming skills by creating and modding retro arcade games with Blocks and JavaScript in the MakeCode editor. This course is project-based with a maker philosophy at its core. The idea is that by making physical objects or games, students create a context for learning coding and computer science concepts. Mathematics is reinforced.
- Work-Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

COMPUTER SCIENCE I   **BP412X0   1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 30
Computer Science Principles I is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages. Students will focus on the "big CS ideas" in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. The big ideas in CSP include computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Art, English language arts, and mathematical concepts are reinforced.

- Work-Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

COMPUTER SCIENCE II   **BP422X0**   **1 CREDIT**

Prerequisite BP41 Computer Science I

Recommended Maximum Enrollment: 30

Computer Science II continues developing the concepts introduced in the prerequisite course, Computer Science I, introducing students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. Strong communication skills are necessary and English language arts, mathematics, and computer science standards are reinforced.
- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ADVANCED PLACEMENT COMPUTER SCIENCE A   **2A027X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

 This is a college-level introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. The course is designed to be the equivalent of a first semester college course in computer science. Mathematics is reinforced.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

COMPTIA IT FUNDAMENTALS   **BI122X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security. In addition, students will have the ability to demonstrate their knowledge to install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices.   Work-based learning strategies appropriate for this course include service learning, and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. English language arts, mathematics, and science are reinforced.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Comp TIA IT Fundamentals +

MICROSOFT EXCEL (HONORS)   **BM205X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

National Pathway: Programming and Software Development AP Computer Science Principles Career Pathway (APCS)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BP01 Introduction to Computer Science	0A02 AP Computer Science Principles	2A02 AP Computer Science A	WB41 CTE Advanced Studies INFO *or* WB42 CTE Apprenticeship INFO *or* WB43 CTE Internship INFO
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BI12 CompTIA IT Fundamentals BI05 IB Information Technology in a Global Society BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Information Technology: Computer Programming Foundations WTCC Business Analytics: Business Intelligence		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

INTRODUCTION TO COMPUTER SCIENCE   **BP012X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

Students with limited or no experience in coding and computer programming will be introduced to core concepts of Computer Science. Students will understand the components of computers and computer programming, ethics in computer science, algorithms, variables, conditional statements, and more. The course will use a combination of making and designing using the revolutionary new micro:bit microcontroller board and the Arcade curriculum with Microsoft's easy and powerful MakeCode block-based coding environment. The Arcade curriculum will help students develop programming skills by creating and modding retro arcade games with Blocks and JavaScript in the MakeCode editor. This course is project-based with a maker philosophy at its core. The idea is that by making physical objects or games, students create a context for learning coding and computer science concepts. Mathematics is reinforced.

- Work-Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES   **0A027X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. It's recommended that a student in the AP Computer Science Principles course should have successfully completed a first-year high school algebra course with a strong foundation on basic linear functions and composition of functions, and problem-solving strategies that require multiple approaches and collaborative efforts. In addition, students should be able to use a Cartesian (x, y) coordinate system to represent points in a plane. It is important that students and their advisers understand that any significant computer science course builds upon a foundation of mathematical and computational reasoning that will be applied throughout the study of the course.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: None

ADVANCED PLACEMENT COMPUTER SCIENCE A   **2A027X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This is a college-level introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. The course is designed to be the equivalent of a first semester college course in computer science. Mathematics is reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

COMPTIA IT FUNDAMENTALS   **BI122X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security. In addition, students will have the ability to demonstrate their knowledge to install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices.   Work-based learning strategies appropriate for this course include service learning, and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Comp TIA IT Fundamentals +

MICROSOFT EXCEL (HONORS)   **BM205X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

National Pathway: Programming and Software Development Python Programming Career Pathway (PYPR)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BI12 CompTIA IT Fundamentals OR BP01 Introduction to Computer Science	BP14 Python Programming I	BP16 Python Programming II	2A02 AP Computer Science A *OR* WB41 CTE Advanced Studies INFO OR WB42 CTE Apprenticeship INFO OR WB43 CTE Internship INFO
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BI05 IB Information Technology in a Global Society BM20 Microsoft Excel BM40 Microsoft Access		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

COMPTIA IT FUNDAMENTALS   **BI122X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security. In addition, students will have the ability to demonstrate their knowledge to install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices.   Work-based

learning strategies appropriate for this course include service learning, and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Comp TIA IT Fundamentals +

INTRODUCTION TO COMPUTER SCIENCE   BP012X0   1 CREDIT
Prerequisite: None
Recommended Maximum Enrollment: 30
Students with limited or no experience in coding and computer programming will be introduced to core concepts of Computer Science. Students will understand the components of computers and computer programming, ethics in computer science, algorithms, variables, conditional statements, and more. The course will use a combination of making and designing using the revolutionary new micro:bit microcontroller board and the Arcade curriculum with Microsoft's easy and powerful MakeCode block-based coding environment. The Arcade curriculum will help students develop programming skills by creating and modding retro arcade games with Blocks and JavaScript in the MakeCode editor. This course is project-based with a maker philosophy at its core. The idea is that by making physical objects or games, students create a context for learning coding and computer science concepts. Mathematics is reinforced.

- Work-Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

PYTHON PROGRAMMING I   BP142X0   1 CREDIT
Prerequisite: *None*
Recommended Maximum Enrollment: 25
This course is designed to introduce Python as a beginning course (not intended for experienced programmers). Students will practice coding in an online environment that requires only a modern web browser and an Internet connection. No special software is required to complete this course. The course includes video content, practice labs, and coding projects. Mathematic standards are reinforced.

- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

PYTHON PROGRAMMING II   BP162X0   1 CREDIT
Prerequisite: BP14 Python Programming I
Recommended Maximum Enrollment: 25
This course will prepare students for jobs and careers connected with widely understood software development, which includes not only creating the code itself as a junior developer, but also computer systems design and software testing. Students will be guided to a level of Python programming knowledge which will allow them to design, write, debug, and run programs encoded in the Python language, and to understand the basic concepts of software development technology. In addition, students will learn IoT (Internet of Things) skills which can help transform any business in any industry, from manufacturing to saving endangered species. Students will apply basic programming (using Python) to support IoT devices. Mathematics standards are reinforced.

- Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: PCAP Python Certified Associate

ADVANCED PLACEMENT COMPUTER SCIENCE A   2A027X0   1 CREDIT
Prerequisite: None
Recommended Maximum Enrollment: 25
This is a college-level introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. The course is designed to be the equivalent of a first semester college course in computer science. Mathematics is reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MICROSOFT EXCEL (HONORS)   BM205X0   1 CREDIT
Prerequisite: None
Recommended Maximum Enrollment: 25
Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets

and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

National Pathway: Programming and Software Development SAS Computer Programming Career Pathway (SASP)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BI12 CompTIA IT Fundamentals *or* BP01 Introduction to Computer Science	BP41 Computer Science I *or* 0A02 AP Computer Science Principles	BP20 SAS Base Programming	2A02 AP Computer Science A *or* WB41 CTE Advanced Studies INFO *or* WB42 CTE Apprenticeship INFO *or* WB43 CTE Internship INFO
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BM20 Microsoft Excel BM40 Microsoft Access BI05 IB Information Technology in a Global Society		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Business Analytics: Business Intelligence WTCC Business Analytics: Finance WTCC Business Analytics: Marketing WTCC Business Analytics: Logistics		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

COMPTIA IT FUNDAMENTALS   **BI122X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security. In addition, students will have the ability to demonstrate their knowledge to install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices.   Work-based learning strategies appropriate for this course include service learning, and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Comp TIA IT Fundamentals +

INTRODUCTION TO COMPUTER SCIENCE   **BP012X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

Students with limited or no experience in coding and computer programming will be introduced to core concepts of Computer Science. Students will understand the components of computers and computer programming, ethics in computer science, algorithms, variables, conditional statements, and more. The course will use a combination of making and designing using the revolutionary new micro:bit microcontroller board and the Arcade curriculum with Microsoft's easy and powerful MakeCode block-based coding environment. The Arcade curriculum will help students develop programming skills by creating and modding retro arcade games with Blocks and JavaScript in the MakeCode editor. This course is project-based with a maker philosophy at its core. The idea is that by making physical objects or games, students create a context for learning coding and computer science concepts. Mathematics is reinforced.

- Work-Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

COMPUTER SCIENCE I   **BP412X0**   **1 CREDIT**
Prerequisite: None
Recommended Maximum Enrollment: 30
Computer Science Principles I is an introductory course intended to familiarize students with the general concepts and thinking practices of computing, computer science, and information science. Students will learn computing concepts through authentic visual and interactive projects using visual programming languages. Students will focus on the "big CS ideas" in creative ways that emphasize conceptual knowledge and thinking practices rather than on programming alone. The big ideas in CSP include computing as a creative activity, abstraction, facilitating knowledge creation through computing, algorithms, problem-solving, the Internet, and the global impact of computing. Emphasis is placed on problem-solving, communication, creativity, and exploring the impacts of computing on how we think, communicate, work, and play. Art, English language arts, and mathematical concepts are reinforced.
- Work-Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: MTA 98-381 Introduction to Programming Using Python

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES   **0A027X0**   **1 CREDIT**
Prerequisite: None
Recommended Maximum Enrollment: 25
In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world. It's recommended that a student in the AP Computer Science Principles course should have successfully completed a first-year high school algebra course with a strong foundation on basic linear functions, and composition of functions, and problem-solving strategies that require multiple approaches and collaborative efforts. In addition, students should be able to use a Cartesian (x, y) coordinate system to represent points in a plane. It is important that students and their advisers understand that any significant computer science course builds upon a foundation of mathematical and computational reasoning that will be applied throughout the study of the course.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: None

SAS BASE PROGRAMMING   **BP202X0**   **1 CREDIT**
Prerequisite: None
Recommended Maximum Enrollment: 20
This course is the entry point for students to learn SAS programming. Students will learn how to plan and write SAS programs to solve common data analysis problems. Instruction provides practice running and debugging programs. The emphasis is placed on reading input data, creating list and summary reports, defining new variables, executing code conditionally, reading raw data files and SAS data sets, and writing the results to SAS data sets. Mathematics is reinforced.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: SAS Certified Specialist: Programming Fundamentals Using SAS 9.4

SAS BASE PROGRAMMING (HONORS)   **BP205X0**   **1 CREDIT**
Prerequisite: None
Recommended Maximum Enrollment: 20
In addition to the standard course requirements for SAS Computer Programming I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take the appropriate industry certification exam associated with the course, if available.
- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: SAS Certified Specialist: Programming Fundamentals Using SAS 9.4

ADVANCED PLACEMENT COMPUTER SCIENCE A   **2A027X0**   **1 CREDIT**
Prerequisite: None
Recommended Maximum Enrollment: 25
This is a college-level introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. The course is designed to be the equivalent of a first semester college course in computer science. Mathematics is reinforced.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MICROSOFT EXCEL (HONORS)   **BM205X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

Information Support and Services

National Pathway: Information Support and Services Computer Engineering Career Pathway (COEN)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BI12 CompTIA IT Fundamentals	II21 Computer Engineering Technology I	II22 Computer Engineering Technology II	WB41 CTE Advanced Studies INFO *or* WB42 CTE Apprenticeship INFO *or* WB43 CTE Internship INFO *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BI05 IB Information Technology in a Global Society BI10 Foundations of Information Technology		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Information Technology: Computer Technologies Foundations		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

COMPTIA IT FUNDAMENTALS   **BI122X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security. In addition, students will have the ability to demonstrate their knowledge to install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices. Work-based learning strategies appropriate for this course include service learning, and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Comp TIA IT Fundamentals +

COMPUTER ENGINEERING TECHNOLOGY I (HONORS)   **II215X0   1 CREDIT**

Prerequisite: BI12 CompTIA IT Fundamentals

Recommended Maximum Enrollment: 25

This course is the first in a two-course series that introduces the skills required for entry -level PC technicians. It includes objectives in the following four domains, a) PC Hardware, b) Networking c) Mobile devices d) Hardware and networking troubleshooting. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: CompTIA A+ 1001

COMPUTER ENGINEERING TECHNOLOGY II (HONORS)   **II225X0   1 CREDIT**

Prerequisite: II21 Computer Engineering Technology I
Recommended Maximum Enrollment: 25
This course is the second in a two-course series that introduces the skills required for entry-level PC technicians. It includes objectives in the following five domains, a) Windows operating system, b) Other operating systems and technologies c) Security, d) Software troubleshooting, e) Operational procedures. English language arts, mathematics, and science are reinforced.
● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: No
● Aligned Industry Credential: CompTIA A+ 1002

Network Systems

National Pathway: Network Systems Cisco Network Engineering Career Pathway (CNEN)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BI12 CompTIA IT Fundamentals	II11 Cisco Network Engineering Technology I	II12 Cisco Network Engineering Technology II	WB41 CTE Advanced Studies INFO *or* WB42 CTE Apprenticeship INFO *or* WB43 CTE Internship INFO *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	BI05 IB Information Technology in a Global Society		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Information Technology: Computer Technologies Foundations		
Intracurricular Career and Technical Student Organizations: Future Business Leaders of America (FBLA)			

COMPTIA IT FUNDAMENTALS   **BI122X0   1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 25
This introductory course will provide students with the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, application and software, software development, database fundamentals and security. In addition, students will have the ability to demonstrate their knowledge to install software, establish basic network connectivity, identify/prevent basic security risks, explain troubleshooting theory and preventative maintenance of devices. Work-based learning strategies appropriate for this course include service learning, and job shadowing. Future Business Leaders of America (FBLA) and SkillsUSA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. English language arts, mathematics, and science are reinforced.
● Work-Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School-Based Enterprises: No Service Learning: Yes
● Aligned Industry Credential: Comp TIA IT Fundamentals +

CISCO NETWORK ENGINEERING TECHNOLOGY I (HONORS)   **II115X0   1 CREDIT**

Prerequisite: None
Recommended Maximum Enrollment: 25
This course introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing, and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course uses the Cisco Introduction to Networks curriculum and must be conducted using the Cisco Networking Academy connection. English language arts, mathematics, and science are reinforced.
● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
● Aligned Industry Credential: None

CISCO NETWORK ENGINEERING TECHNOLOGY II (HONORS)   **II125X0**   **1 CREDIT**

Prerequisite: II11 Cisco Network Engineering Technology I

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Cisco Certified Technician (CCT) Routing and Switching

LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY

Emergency & Fire Management Services

National Pathway: Emergency & Fire Management Services Emergency Management Career Pathway (EMMG)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IP11 Public Safety I	IP51 Emergency Management I	IP52 Emergency Management II *or* WB45 CTE Advanced Studies LAW *or* WB46 CTE Apprenticeship LAW *or* WB47 CTE Internship LAW *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	HU40 Health Science I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

PUBLIC SAFETY I   **IP112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: National Incident Management System
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MANAGEMENT I   **IP512X0**   **1 CREDIT**

Prerequisite: IP11 Public Safety I or IP22 EMT II or IP32 Firefighter II or IP42 Law & Justice II

Recommended Maximum Enrollment: 25

This course is the first in a series of courses aligned to the Emergency Management certifications from FEMA and are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professionals in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English, language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NC Emergency Management I Certification
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MANAGEMENT II (HONORS)   **IP525X0**   **1 CREDIT**

Prerequisite: IP51 Emergency Management I

Recommended Maximum Enrollment: 25

This course is the second in a series of courses aligned to the Emergency Management certifications from FEMA that are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professionals in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NC Emergency Management Certification Management
- Aligned Career Technical Student Organization: SkillsUSA

HEALTH SCIENCE I   **HU402X0**   **1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.

Recommended Maximum Enrollment: 30

This course is developed to focus on human anatomy, physiology, and human body diseases and disorders, and recognizing and responding to first aid emergencies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE I (HONORS)   **HU405X0**   **1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.

In addition to the standard course requirements of Health Science I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be extended to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

National Pathway: Emergency & Fire Management Services Emergency Medical Technology Career Pathway (EMMT)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IP11 Public Safety I	IP21 Emergency Medical Technology I	IP22 Emergency Medical Technology II	WB45 CTE Advanced Studies LAW *or* WB46 CTE Apprenticeship LAW *or* WB47 CTE Internship LAW *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	IP51 Emergency Management I HU40 Health Science I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: HOSA Future Health Professionals SkillsUSA			

PUBLIC SAFETY I   **IP112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: National Incident Management System
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MEDICAL TECHNOLOGY I   **IP212X0**   **1 CREDIT**

Prerequisite: English II

Recommended Maximum Enrollment: 15

*Due to safety requirements as specified in the approved NCOEMS NCDPI educational plan, this course is limited to 15 students per teacher.

This course is aligned to the Emergency Medical Responder certification (EMR) certification available from the North Carolina Office of Emergency Medical Services. The course includes clinical skills in each area as specified by NC OEMS for successful completion of this certification. Schools should use resources from the community

to help deliver instruction to the students. English language arts are reinforced. Students must turn 17 prior to the end of the course to be enrolled in this course per NC OEMS requirements.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Emergency Medical Responder (EMR)
- Affiliated CTE Student Organization: SkillsUSA

EMERGENCY MEDICAL TECHNOLOGY I (HONORS)   **IP215X0   1 CREDIT**

Prerequisite: English II
Recommended Maximum Enrollment: 15

*Due to safety requirements as specified in the approved NCOEMS NCDPI educational plan, this course is limited to 15 students per teacher.
In addition to the standard course requirements for Emergency Medical Technology I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Emergency Medical Responder (EMR)
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MEDICAL TECHNOLOGY II (HONORS)   **IP225X0   1 CREDIT**

Prerequisite: IP21 Emergency Management I and English III
Recommended Maximum Enrollment: 15

Note: Due to safety requirements as specified in the approved NCOEMS NCDPI educational plan, this course is limited to 15 students per teacher.
This course is aligned to the EMT Basic certification available from the North Carolina Office of Emergency Medical Services <u>and is part II of a two-course sequence required to meet the mandatory hours of training. The course includes skills in each area, using resources from the community to help deliver instruction to the students.</u> The course includes clinical skills in each area as specified by NC OEMS for successful completion of this certification. Schools should use resources from the community to help deliver instruction to the students. English language arts are reinforced. Students must turn 17 prior to the end of the course to be enrolled in this course per NC OEMS requirements.
- Work Based Learning Opportunities: Apprenticeship: **No** Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: Yes School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Emergency Medical Technician Basic
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MANAGEMENT I   **IP512X0   1 CREDIT**

Prerequisite: IP11 Public Safety I or IP22 EMT II or IP32 Firefighter II or IP42 Law & Justice II
Recommended Maximum Enrollment: 25

This course is the first in a series of courses aligned to the Emergency Management certifications from FEMA and are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professionals in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English, language arts are reinforced.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NC Emergency Management I Certification
- Aligned Career Technical Student Organization: SkillsUSA

HEALTH SCIENCE I   **HU402X0   1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.
Recommended Maximum Enrollment: 30

This course is developed to focus on human anatomy, physiology, and human body diseases and disorders, and recognizing and responding to first aid emergencies. Students will learn about healthcare careers within the context of human body systems. Projects, teamwork, and demonstrations serve as instructional strategies that reinforce the curriculum content. English language arts and science are reinforced in this course.
- Work Based Learning Opportunities: **Apprenticeship**: No **Industry Field Trips**: No **Cooperative Education**: No **Entrepreneurial:** Yes **Internship:** No J**ob Shadowing**: Yes **Mentorships**: No **School Based Enterprises**: No **Service Learning**: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

HEALTH SCIENCE I (HONORS)   **HU405X0   1 CREDIT**

Prerequisite: Biology is recommended as preparation for this course.
In addition to the standard course requirements of Health Science I, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be extended to take and pass the appropriate industry certification exam associated with the course, if available.
- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: Yes Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Stop the Bleed, First Aid
- Aligned CTSO: HOSA-Future Health Professionals

National Pathway: Emergency & Fire Management Services
Firefighter Technology Career Pathway (FIFI)

Recommended Pathway Entry	Prerequisite	Concentrator	Career Pathway Major
IP11 Public Safety I	IP31 Firefighter Technology I	IP32 Firefighter Technology II	IP33 Firefighter Technology III *or* IP51 Emergency Management I *or* WB45 CTE Advanced Studies LAW *or* WB46 CTE Apprenticeship LAW *or* WB47 CTE Internship LAW
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Fire Protection Technology: Basic Certificate		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

PUBLIC SAFETY I   IP112X0   1 CREDIT

Prerequisite: None

Recommended Maximum Enrollment: 25

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: National Incident Management System
- Aligned Career Technical Student Organization: SkillsUSA

FIREFIGHTER TECHNOLOGY I   IP312X0   1 CREDIT

Prerequisite: None

Recommended Maximum Enrollment: 20

This course covers part of the NC Firefighter certification modules required for all firefighters in North Carolina. The modules include Orientation and Safety Health and Wellness; Fire Behavior; Personal Protective Equipment; Fire Hose, Streams, and Appliances, Portable Extinguishers; Foam Fire Streams; and Emergency Medical CARC. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NCOSFM Credential - Firefighter Technology I
- Aligned Career Technical Student Organization: SkillsUSA

FIREFIGHTER TECHNOLOGY II   IP322X0   1 CREDIT

Prerequisite: IP31 Firefighter Technology I

Recommended Maximum Enrollment: 20

This course covers additional NC Firefighter certification modules required for all firefighters in North Carolina. The modules include Building Construction; Ropes; Alarms and Communications; Forcible Entry; Ladders; Ventilation; Loss Control. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NCOSFM Credential - Firefighter Technology II
- Aligned Career Technical Student Organization: SkillsUSA

FIREFIGHTER TECHNOLOGY III (HONORS)   IP335X0   1 CREDIT

Prerequisite: IP32 Fire Fighter Technology II

Recommended Maximum Enrollment: 20

This course covers part of the NC Firefighter certification modules required for all firefighters in North Carolina. The modules include Rescue, Fire Detection & Suppression Systems, Fire and Life Safety Initiatives, Mayday, HM Ops, and TIMS. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NCOSFM Credential - Firefighter Technology III
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MANAGEMENT I   **IP512X0   1 CREDIT**

Prerequisite: IP11 Public Safety I or IP22 EMT II or IP32 Firefighter II or IP42 Law & Justice II

Recommended Maximum Enrollment: 25

This course is the first in a series of courses aligned to the Emergency Management certifications from FEMA and are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professionals in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English, language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: NC Emergency Management I Certification
- Aligned Career Technical Student Organization: SkillsUSA

National Pathway: Emergency & Fire Management Services Public Safety Career Pathway (PUSA)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IP11 Public Safety I	IP12 Public Safety II	WB45 CTE Advanced Studies LAW *or* WB46 CTE Apprenticeship LAW *or* WB47 CTE Internship LAW
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

PUBLIC SAFETY I   **IP112X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: National Incident Management System
- Aligned Career Technical Student Organization: SkillsUSA

PUBLIC SAFETY II (HONORS)   **IP125X0   1 CREDIT**

Prerequisite: IP11 Public Safety I

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Community Emergency Response Team (CERT)
- Aligned Career Technical Student Organization: SkillsUSA

Corrections Services, Law Enforcement Services, Legal Services, Security and Protection Services

Law & Justice Career Pathway (LAWJ)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IP11 Public Safety I	IP41 Law & Justice I	IP42 Law & Justice II	IP51 Emergency Management I *or* WB45 CTE Advanced Studies LAW *or* WB46 CTE Apprenticeship LAW *or* WB47 CTE Internship LAW *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills		
Supplemental Technical Courses	IP11 Public Safety I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Criminal Justice Technology: Introduction		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

PUBLIC SAFETY I IP112X0 1 CREDIT

Prerequisite: None

Recommended Maximum Enrollment: 25

This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. Additionally students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: FEMA: National Incident Management System
- Aligned Career Technical Student Organization: SkillsUSA

LAW AND JUSTICE I IP412X0 1 CREDIT

Prerequisite: None

Recommended Maximum Enrollment: 25

Students desiring to pursue a career in Law and Justice will examine the basic concepts of law related to citizens' rights and officers' responsibilities to maintain a safe society. This course begins with a study of various careers in public safety. The course will explore the history and development of law enforcement in the United States. Students will then examine the components of the criminal justice system, including the roles and responsibilities of the police, courts, and corrections. Additionally, students will learn the classification and elements of crimes. Students will receive instruction in critical skill areas including communicating with diverse groups, conflict resolution, the use of force continuum, report writing, operation of police and emergency equipment, and courtroom testimony. Career planning and employability skills will be emphasized. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: SkillsUSA

LAW AND JUSTICE II (HONORS) IP425X0 1 CREDIT

Prerequisite: IP41 Law and Justice I

Recommended Maximum Enrollment: 25

This course emphasizes "need-to-know" information for protection officers throughout the security industry and is aligned to the International Federation of Protection Officers (IFPO) certification as a Certified Protection Officer (CPO). Course content includes Foundations in Law Enforcement and Protective Services. Communications in Law Enforcement and Protective Services, Protection Officers Functions, Crime Prevention and Physical Security, Safety and Fire Protection, Information Protection, Deviance Crime and Violence, Risk and Threat Management, Procedures in Investigations, Legal Aspects of Security, Procedures for Officer Safety and Use of Force, Procedures for Relations with Others, and AHA First Aid Certification. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: International Federation of Protection Officers: Certified Protection Officer
- Aligned Career Technical Student Organization: SkillsUSA

EMERGENCY MANAGEMENT I   **IP512X0   1 CREDIT**

Prerequisite: IP11 Public Safety I or IP22 EMT II or IP32 Firefighter II or IP42 Law & Justice II

Recommended Maximum Enrollment: 25

This course is the first in a series of courses aligned to the Emergency Management certifications from FEMA and are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professionals in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English, language arts are reinforced.

● Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
● Aligned Industry Credential: NC Emergency Management I Certification
● Aligned Career Technical Student Organization: SkillsUSA

MANUFACTURING

Manufacturing Production Process Development

National Pathway: Manufacturing Production Process Development Advanced Manufacturing Career Pathway (ADMA)			
Recommended Pathway Entry	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC61 Drafting I	IM11 Advanced Manufacturing I	IM12 Advanced Manufacturing II	WB49 CTE Advanced Studies MANU *or* WB50 CTE Apprenticeship MANU *or* WB51 CTE Internship MANU *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Mechanical Engineering Technology		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

DRAFTING I   **IC612X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
● Aligned Industry Credential: Autodesk AutoCAD Certified User
● Aligned Career Technical Student Organization: SkillsUSA

ADVANCED MANUFACTURING I (HONORS)   **IM115X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course is the first part of a two-part sequence on the basic functional knowledge and skills needed in the advanced manufacturing environment. This course covers introduction to manufacturing, safety, and quality 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 & Leadership, Safety Organization, Personal Protective Equipment, Fire and Electrical Safety, Work Area Safety, Hazardous Material Safety, Tool and Machine Safety, Material Handling Safety, Welding, Basic Electrical Circuits, Electrical Measurement, Electrical Power, Pneumatic, Power Systems, Hydraulic Power Systems, Lubrication Concepts, Bearings and Couplings, Belt Drives, Chain Drives, Machine Control Concepts, and Machine Automation. English language arts are reinforced.

● Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
● Aligned Industry Credential: MSSC: Certified Production Technician- Safety MSSC: Certified Production Technician- Quality OSHA 10-Hour General Industry (Agriculture) Certification
● Aligned Career Technical Student Organization: SkillsUSA

ADVANCED MANUFACTURING II (HONORS)   **IM125X0**   **1 CREDIT**

Prerequisite: IM11 Advanced Manufacturing I

Recommended Maximum Enrollment: 25

This course is the second part of a two-part sequence on the basic functional knowledge and skills needed in the advanced manufacturing environment. This course covers quality and processes 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 periodic or statistically based internal quality audit activities, calibration of gages and other data collection equipment, continuous improvements, inspection materials and product/process, documentation of quality tests, communication of quality problems, corrective actions used to restore or maintain quality, record process outcomes and trends, fundamentals of blueprint reading, the use of common measurement systems and precision measurement tools, identifying customer needs, determining resources available for the production process, setting up and verifying equipment for the production process, team production goals, making job assignments, coordinating work flow with team members and other work groups, production and material requirements and product specifications, perform, monitor and document the process to make the product, document product and process compliance with customer requirements, and prepare final product for shipping or distribution. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: MSSC: Certified Production Technician- Safety MSSC: Certified Production Technician- Quality OSHA 10-Hour General Industry (Agriculture) Certification
- Aligned Career Technical Student Organization: SkillsUSA

National Pathways: Production Woodworking Career Pathway (WOWO)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IM21 Woodworking I	IM22 Woodworking II	WB49 CTE Advanced Studies MANU *or* WB50 CTE Apprenticeship MANU *or* WB51 CTE Internship MANU *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I		
Supplemental Technical Courses	IM11 Advanced Manufacturing I		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

WOODWORKING I   **IM212X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

This course introduces career information, employment opportunities, and skills required for work in the woodworking and cabinetmaking industry. Topics include the woodworking industries, health, and safety design and layout, materials, hand tools, power tools, portable and stationary, preparation, construction and assembly, and finishing. English language arts and mathematics are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: No
- Aligned Industry Credential: Woodwork Career Alliance Sawblade Certificate OSHA 10-Hour Construction Industry Certification

WOODWORKING II   **IM222X0**   **1 CREDIT**

Prerequisite: IM21 Woodworking I

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

The course teaches the development of knowledge and advanced skills in the woodworking and cabinetmaking industry. Emphasis is placed on advanced principles applied to the woodworking and cabinetmaking industry. Topics include advanced levels of the cabinet making industry, health and safety, design and layout, materials, hand tools, power tools, portable and stationary, preparation, construction and assembly, and finishing. English language arts and mathematics are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: No
- Aligned Industry Credential: Woodwork Career Alliance Sawblade Certificate OSHA 10-Hour Construction Industry Certification

WOODWORKING II (HONORS)   **IM225X0**   **1 CREDIT**

Prerequisite: IM21 Woodworking I

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

In addition to the standard course requirements of Woodworking II, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be extended to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: No
- Aligned Industry Credential: Woodwork Career Alliance Sawblade Certificate OSHA 10-Hour Construction Industry Certification

ADVANCED MANUFACTURING I (HONORS)   **IM115X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course is the first part of a two-part sequence on the basic functional knowledge and skills needed in the advanced manufacturing environment. This course covers introduction to manufacturing, safety, and quality 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 & Leadership, Safety Organization, Personal Protective Equipment, Fire and Electrical Safety, Work Area Safety, Hazardous Material Safety, Tool and Machine Safety, Material Handling Safety, Welding, Basic Electrical Circuits, Electrical Measurement, Electrical Power, Pneumatic, Power Systems, Hydraulic Power Systems, Lubrication Concepts, Bearings and Couplings, Belt Drives, Chain Drives, Machine Control Concepts, and Machine Automation. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No   Service Learning: Yes
- Aligned Industry Credential: MSSC: Certified Production Technician- Safety MSSC: Certified Production Technician- Quality OSHA 10-Hour General Industry (Agriculture) Certification
- Aligned Career Technical Student Organization: SkillsUSA

MARKETING

Marketing Management

Marketing Management Career Pathway (MMGT)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
BF10 Business Essentials	MM51 Marketing	MA52 Marketing Applications	Cooperative Education *or* WB53 CTE Advanced Studies MRKT *or* WB54 CTE Apprenticeship MRKT *or* WB55 CTE Internship MRKT
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management		
Supplemental Technical Courses	II41 Adobe Visual Design I		
Intracurricular Career and Technical Student Organizations	An association for Marketing Education students (DECA)		
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Business Analytics: Marketing Analytics		
Intracurricular Career and Technical Student Organizations: An association for Marketing Education students (DECA)			

BUSINESS ESSENTIALS   **BF102X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course will introduce students to realistic business and finance principles by examining fundamental economic concepts, the business environment, and primary business activities. Through workplace scenarios and problem-based learning, students will explore business ethics, customer relations, economics, financial analysis, human resources management, information management, marketing, operations, and business technology.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MARKETING   **MM512X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

This course is designed to introduce students to the dynamic processes and activities in marketing. The experience includes students developing an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students also develop an understanding of marketing functions applications and impact on business operations. English language arts, mathematics, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

MARKETING APPLICATIONS   **MA522X0   1 CREDIT**

Prerequisite: MM51 Marketing or MI21 Fashion Merchandising

Recommended Maximum Enrollment: 25

In this course, students will apply an understanding of marketing functions and impact of the functions on business decisions. Through problem solving and critical thinking, students will apply knowledge and skills in the areas of customer relations, economics, financial analysis, channel management, marketing- information management, marketing planning, products and services management, and selling. Relative opportunities are available for students to use technology to acquire and use marketing information. English, language arts, and social studies are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Customer Service and Sales Certification

MARKETING APPLICATIONS (HONORS)   **MA525X0   1 CREDIT**

Prerequisite: MM51 Marketing or MI21 Fashion Merchandising

Recommended Maximum Enrollment: 25

In addition to the standard course requirements for Marketing Applications, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Customer Service and Sales Certification

MARKETING COOPERATIVE   **MM516X0   1 CREDIT**

Co-requisite: MM51 Marketing in the same academic year

Recommended Maximum Enrollment: 20

Cooperative education is a method of instruction where technical instruction is combined with paid employment that is directly related to classroom instruction. Students must register for both the CTE classroom course and the cooperative education work component during the same academic year. A student must complete a minimum of 135 hours in a work-based experience.

MARKETING APPLICATIONS COOPERATIVE   **MA526X0   1 CREDIT**

Co-requisite: MA52 Marketing Applications in the same academic year

Recommended Maximum Enrollment: 20

Cooperative education is a method of instruction where technical instruction is combined with paid employment that is directly related to classroom instruction. Students must register for both the CTE classroom course and the cooperative education work component during the same academic year. A student must complete a minimum of 135 hours in a work-based experience

ADOBE VISUAL DESIGN I   **II412X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

In this course, students develop skills that lay the foundation for photography and producing print-ready communications: graphic design principles, visual comps, illustration, print production development, shared project management skills such as interviewing and project scheduling, peer review, and redesign. Project activities focus on developing effective communications that can be deployed in print, web, or video. Students develop a variety of images, such as raster-based graphics, logos, advertisements, posters, and illustrations. They produce design documents and visual comps that clients review. Students culminate the semester with a portfolio project, reflect on the skills and topics covered thus far, and begin exploring the career areas that interest them in visual design. This course is aligned to the Adobe Certified Associate Photoshop and Adobe Certified Associate Illustrator certification.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Adobe Photoshop, Illustrator

Engineering and Technology

National Pathway: Engineering and Technology Drafting Engineering Career Pathway (DREN)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
	IC61 Drafting I	IV22 Drafting II – Engineering	IV23 Drafting III – Engineering *or* WB57 CTE Advanced Studies STEM *or* WB58 CTE Apprenticeship STEM *or* WB59 CTE Internship STEM *or* Cooperative Education
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Civil Engineering Technology WTCC Mechanical Engineering Technology		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

DRAFTING I   **IC612X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Autodesk Certified User AutoCAD
- Aligned Career Technical Student Organization: SkillsUSA

DRAFTING II – ENGINEERING (HONORS)   **IV225X0**   **1 CREDIT**

Prerequisite: IC61 Drafting I

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: Autodesk Certified User Inventor or Certified SolidWorks Associate (CSWA)
- Aligned Career Technical Student Organization: SkillsUSA

DRAFTING III - ENGINEERING (HONORS)   **IV235X0**   **1 CREDIT**

Prerequisite: IV22 Drafting II- Engineering

Recommended Maximum Enrollment: 25

This course teaches the development of knowledge and advanced skills in Engineering Drafting and Design. An understanding of 3D CAD concepts and terms, and the use of 3D CAD software such as INVENTOR or SolidWorks, are essential to this course, and the required method of producing finished drawings. Topics include cover advanced levels of Engineering Drafting and Design, Employment Requirements, Engineering Design Concepts and Principles, Advanced Manufacturing Processes, Advanced Parametric-Solid Modeling, Geometric Dimensioning and Tolerancing, Work Drawings and Assemblies, 3D Modeling, Sheet Metal Parts, and Professional Portfolio. English language arts and mathematics are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Autodesk Certified User Inventor or Certified SolidWorks Associate (CSWA)
- Aligned Career Technical Student Organization: SkillsUSA

National Pathway: Engineering and Technology Technology Engineering & Design Career Pathway (TEND)			
Recommended	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IC61 Drafting I	TE11 Technology Engineering & Design	TE12 Technological Design *or* TE13 Engineering Design	WB57 CTE Advanced Studies STEM *or* WB58 CTE Apprenticeship STEM *or* WB59 CTE Internship STEM
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Electronics Engineering Technology		
Intracurricular Career and Technical Student Organizations: Technology Student Association (TSA)			

DRAFTING I   **IC612X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

This course introduces students to the use of simple and complex graphic tools used to communicate and understand ideas, concepts and trends found in the areas of architecture, manufacturing, engineering, science, and mathematics, sketching and computer assisted design (CAD) skills and techniques. English language arts, mathematics, and science are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: No
- Aligned Industry Credential: Autodesk Certified User AutoCAD
- Aligned Career Technical Student Organization: SkillsUSA

TECHNOLOGY ENGINEERING AND DESIGN   **TE112X0**   **1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

TECHNOLOGICAL DESIGN   **TE122X0**   **1 CREDIT**

Prerequisite: TE11 Technology Engineering and Design

Recommended Maximum Enrollment: 20

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

TECHNOLOGICAL DESIGN (HONORS)   **TE125X0**   **1 CREDIT**

Prerequisite: TE11 Technology Engineering and Design

Recommended Maximum Enrollment: 20

In addition to the standard course requirements for Technological Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam associated with the course, if available.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

ENGINEERING DESIGN   **TE132X0**   **1 CREDIT**

Prerequisite: TE11 Technology Engineering and Design

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

ENGINEERING DESIGN (HONORS)   **TE135X0**   **1 CREDIT**

Prerequisite: TE11 Technology Engineering and Design

Recommended Maximum Enrollment: 20

In addition to the standard course requirements for Engineering Design, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently and has a history of high academic achievement. Students will be expected to take and pass the appropriate industry certification exam with the course, if available.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

TRANSPORTATION, DISTRIBUTION & LOGISTICS

Facility and Mobile Equipment Maintenance

National Pathway: Facility and Mobile Equipment Maintenance Automotive Services Career Pathway (AUTO)			
Foundational Prerequisite	**Prerequisite**	**Concentrator**	**Career Pathway Major**
IT11 Automotive Service Fundamentals	IT16 Automotive Service I	IT17 Automotive Service II	IT18 Automotive Service III *or* WB61 CTE Advanced Studies TRAN *or* WB62 CTE Apprenticeship TRAN *or* WB63 CTE Internship TRAN
Supplemental Career Employability Skills Courses	BM10 Microsoft Word and PowerPoint CC45 Career Management OI00 IB Personal and Professional Skills CS11 Project Management I		
Supplemental Technical Courses			
Career & College Promise	Approved Career & College Promise Career Technical Education Pathway WTCC Automotive Systems Technology: Automotive Introduction		
Intracurricular Career and Technical Student Organizations: SkillsUSA			

AUTOMOTIVE SERVICES FUNDAMENTALS   **IT112X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 20

This course introduces automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. Also careers and various job opportunities in the automotive repair industry will be discussed. As part of the ASE Education Foundation accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: Yes Mentorships: No School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: S/P2- Mechanical Safety, SP2- Mechanical-Pollution Prevention
- Aligned Career Technical Student Organization: SkillsUSA

AUTOMOTIVE SERVICE I   **IT162X0   1 CREDIT**

Prerequisite: IT11 Automotive Service Fundamentals

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing, and basic testing of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the ASE Education Foundation   accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None
- Aligned Career Technical Student Organization: technology Student Association (TSA)

AUTOMOTIVE SERVICE II (HONORS)   **IT175X0   1 CREDIT**

Prerequisite: IT16 Automotive Service I

Recommended Maximum Enrollment: 20

This course builds on the knowledge and skills introduced in Automotive Servicing I and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the ASE Education Foundation accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: ASE Student Certification-Maintenance and Light Repair
- Aligned Career Technical Student Organization: technology Student Association (TSA)

AUTOMOTIVE SERVICE III (HONORS)   **IT185X0   1 CREDIT**

Prerequisite: IT17 Automotive Service II

Recommended Maximum Enrollment: 20

*Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

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

- Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: ASE Auto Maintenance and Light Repair Certification (Test G1) : ASE Entry-Level Certification - Electrical/Electronic Systems
- Aligned Career Technical Student Organization: technology Student Association (TSA)

SUPPLEMENTAL COURSES

MICROSOFT WORD & POWERPOINT   **BM102X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

Students in the Microsoft Imagine Academy benefit from world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom environment. In the first part, students will learn to use the current version of Microsoft Word interface, commands, and features to create, enhance, customize, and share complex documents, and publish them. In the second part, students will learn to use the current version of Microsoft PowerPoint interface, commands, and features to create, enhance, customize, and deliver presentations. Art and English language arts are reinforced.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS) in Word and/or PowerPoint
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

MICROSOFT WORD & POWERPOINT (HONORS)   **BM105X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 30

In addition to the standard course requirements for Microsoft Word & PowerPoint, this honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments. Students will be expected to take the Microsoft Office Specialist (MOS) certification exams for Microsoft Word and Microsoft PowerPoint.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS) in Word and/or PowerPoint
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

MICROSOFT EXCEL (HONORS)   **BM205X0   1 CREDIT**

Prerequisite: None

Recommended Maximum Enrollment: 25

Students in Microsoft Imagine Academy 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 prepare students for successful completion of the Microsoft Office Specialist Excel Core and Excel Expert exams. Successful candidates for the Microsoft Office Specialist Excel certification exam will have a fundamental understanding of the Excel environment and the ability to complete tasks independently. They will know and demonstrate the correct application of the principle features of Excel. Candidates create and edit a workbook with multiple sheets and use a graphic element to represent data visually. Workbook examples include professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Expert-level candidates for the Excel exam have an advanced understanding of the Excel environment and have the ability to guide others to the proper use of the program's features. They create, manage, and distribute professional spreadsheets for a variety of specialized purposes and situations. They customize their Excel environments to meet project needs and to enhance productivity. Expert workbook examples include custom business templates, multiple-axis financial charts, amortization tables, and inventory schedules. Career possibilities may include accountants, financial analysts, data analysts, commercial bankers, and others.

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: Microsoft Office Specialist (MOS): Excel, Excel Expert
- Affiliated CTE Student Organization: Future Business Leaders of America (FBLA), SkillsUSA, Technology Student Association (TSA)

PROJECT MANAGEMENT I   **CS112X0   1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
- Aligned Industry Credential: None

PROJECT MANAGEMENT I HONORS   **CS115X0   1 CREDIT**

Prerequisite: None

Recommended for students in grades 10-12

Recommended Maximum Enrollment: 25

This Honors course extends learning of Project Management I by providing opportunities for students to develop and demonstrate critical thinking, problem solving, and application skills by selecting, investigating, and presenting on real-world problems associated with managing projects. Students will communicate and collaborate with peers and provide feedback throughout the project.

CAREER MANAGEMENT   **CC452X0   1 CREDIT**

Prerequisite: None

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

- Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: Yes Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: Yes Mentorships: No School Based Enterprises: No Service Learning: Yes
- Aligned Industry Credential: None

CTE ADVANCED STUDIES   REQUEST SPECIFIC CAREER PATHWAY CODE
CTE ADVANCED STUDIES (HONORS) (MUST BE APPROVED BY CTE DEPT)   REQUEST SPECIFIC CAREER PATHWAY CODE

Prerequisite: Two technical credits in one Career Cluster

This culminating course is for juniors and seniors who have earned two technical credits, one of which is a completer course, in one Career Cluster. The Advanced Studies course must augment the content of the completer course and prepare students for success in transitioning to postsecondary education and future careers. Students work under the guidance of a teacher with expertise in the content of the completer course in collaboration with community members, business representatives, and other school-based personnel. The four parts of the course include writing a research paper, producing a product, developing a portfolio, and delivering a presentation. Students demonstrate their abilities to use 21st century skills. Competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: No Cooperative Education: Yes Entrepreneurial: Yes Internship: Yes Job Shadowing: Yes Mentorships: Yes School Based Enterprises: Yes Service Learning: Yes
● Aligned Industry Credential: None
● Affiliated CTE Student Organization: An association for Marketing Education students (DECA), Future Business Leaders of America (FBLA), North Carolina FFA Association and National FFA Organization (FFA), Family, Career and Community Leaders of America (FCCLA), Health Occupations Students of America (HOSA), SkillsUSA, and Technology Student Assoc. (TSA)

CTE INTERNSHIP   REQUEST SPECIFIC CAREER PATHWAY CODE
CTE INTERNSHIP (HONORS)   REQUEST SPECIFIC CAREER PATHWAY CODE

Prerequisite: None

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

● Work Based Learning Opportunities: Apprenticeship: No Industry Field Trips: No Cooperative Education: No Entrepreneurial: No Internship: Yes Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
● Aligned Industry Credential: None
● Affiliated CTE Student Organization: An association for Marketing Education students (DECA), Future Business Leaders of America (FBLA), North Carolina FFA Association and National FFA Organization (FFA), Family, Career and Community Leaders of America (FCCLA), Health Occupations Students of America (HOSA), SkillsUSA, and Technology Student Assoc. (TSA)

CTE APPRENTICESHIP   REQUEST SPECIFIC CAREER PATHWAY CODE

Prerequisite: Two technical credits in one Career Cluster

Students who participate in apprenticeships or pre-apprenticeships through the North Carolina Department of Commerce can also earn CTE credit while they earn hours and experience toward an adult apprenticeship leading to a completed journeyman certificate.

● Work Based Learning Opportunities: Apprenticeship: Yes Industry Field Trips: Cooperative Education: No Entrepreneurial: No Internship: No Job Shadowing: No Mentorships: No School Based Enterprises: No Service Learning: No
● Aligned Industry Credential: None
● Affiliated CTE Student Organization: An association for Marketing Education students (DECA), Future Business Leaders of America (FBLA), North Carolina FFA Association and National FFA Organization (FFA), Family, Career and Community Leaders of America (FCCLA), Health Occupations Students of America (HOSA), SkillsUSA, and Technology Student Assoc. (TSA)

CAREER ACADEMY INTERNSHIP (Career Academy Students Only)   REQUEST SPECIFIC CAREER PATHWAY CODE
CAREER ACADEMY INTERNSHIP (HONORS) (Career Academy Students Only)   REQUEST SPECIFIC CAREER PATHWAY CODE

English Language Arts Courses

Previous performance in English Language Arts courses and teacher recommendation should be considered in course selection.

CHOICES FOR REQUIRED ENGLISH COURSES

ENGLISH I   **10212X0**   **1 CREDIT**

This academic course is designed for the student who aspires to post-secondary college or career experience. A survey of literary types, this course focuses on reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

ENGLISH I (HONORS)   **10215X0**   **1 CREDIT**

This honors course is designed to challenge students. It concentrates on developing reading, writing, and critical thinking skills through an intensive survey of literary types and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

ENGLISH II   **10222X0**   **1 CREDIT**

Prerequisite: English I

This academic world literature course is designed for the student who aspires to post-secondary college or career experience. This class focuses on reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

ENGLISH II (HONORS)   **10225X0**   **1 CREDIT**

Prerequisite: English I

This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of a variety of selected world literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

ENGLISH III   **10232X0**   **1 CREDIT**

Prerequisite: English II

This academic American literature course is designed for the student who aspires to post-secondary college or vocational experience. The course addresses reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

ENGLISH III (HONORS)   **10235X0**   **1 CREDIT**

Prerequisite: English II

This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected American literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION   **1A007X0**   **1 CREDIT**

Prerequisite: English II, honors-level recommended

This college-level course provides an analytical and historical study of American literature and language as well as other literature in a comprehensive program of reading, writing, and critical thinking. It fulfills the NC graduation requirement for English III. As preparation to take the Advanced Placement Test in Language and Composition, students read, discuss, analyze, and write about challenging works of recognized literary merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent literary analysis and a total mastery of writing skills are the goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. Students enrolled in this course are expected to take The College Board Advanced Placement Test.

ENGLISH IV   **10242X0   1 CREDIT**
Prerequisite: English III
This academic British literature course is designed for the student who aspires to post-secondary college or career experience. The course addresses reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

ENGLISH IV (HONORS)   **10245X0   1 CREDIT**
Prerequisite: English III
This honors course is designed to challenge students. This course concentrates on developing reading, writing, and critical thinking skills through an intensive study of selected British literature and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION   **1A017X0   1 CREDIT**
Prerequisite: English III, honors-level recommended
This college-level course provides an analytical and historical study of British and world literature in a comprehensive program of reading, writing, and critical thinking. It fulfills the NC graduation requirement for English III. As preparation to take the Advanced Placement Test in Literature and Composition, students read, discuss, analyze, and write about challenging works of recognized literary merit to develop honest, concise, and effective use of language and the ability to organize ideas in a clear, coherent, and persuasive way. Independent literary analysis and a total mastery of writing skills are the goals of the course. Because this course meets the needs of academically gifted or highly motivated advanced students who hope to bypass introductory courses in composition and literature when they enter college, students in an AP course should expect assignments and instruction paced at the college level. Students enrolled in this course are expected to take The College Board Advanced Placement test.

ENGLISH ELECTIVE COURSES

ADVANCED FORENSICS (HONORS)   **10185X0A   1 CREDIT**
Recommended prerequisite(s): Speech I and II
This third level of speech and debate invites students to specialize in one or more events sponsored by the National Forensics League even as they deepen their exposure, knowledge, and experience in all of the main events. Thus, the course work maintains a tight balance between independently driven projects and whole class activities, with the highest expectations for careful preparation, deep and purposeful research, and polished performance. Students will be encouraged to participate in competitive events through the National Forensics League.

ADVANCED RESEARCH AND FORENSICS (HONORS)   **10185X0B   1 CREDIT**
Recommended prerequisite: Advanced Forensics (Honors)
This fourth level of speech and debate offers a depth of expertise in the historical and philosophical foundations of the subject, as students study moral philosophy to foster their mastery of debate and aesthetic performance theories to further their success in speech and theater. In addition to participating in class in all speech and debate events sponsored by the National Forensics League, students enrolled in this course will develop independent research projects to share with beginning and intermediate students, solidifying their roles as leaders in the field. Students will be encouraged to participate in competitive events through the National Forensics League.

AFRICAN AMERICAN LITERATURE   **10252X0A   1 CREDIT**
This course explores African American writing and its relationship to American history and culture. Students study critical theories of African American literature and the contexts of cultural criticism through selected works by African American writers.

AFRICAN AMERICAN LITERATURE (HONORS)   **10255X0J   1 CREDIT**
This literature-based course is intended for those students interested in a deep and extended exploration of African American writing and its relationship to American history and culture. Students can expect to study a survey of the African American experience, from colonial voices through urban fiction, poetry, and music lyrics. A deep study of critical theories and their application to African American literature uses a variety of African American sources as text for this course.

ARGUMENT THEORY AND PRACTICE (HONORS)   **10185X0D   1 CREDIT**
This honors-level course is designed to challenge students to examine argumentation closely and critically. Students will think globally about the history and theories of argument, use critical analysis as they apply new learning to complex texts and consider the elements of argument theory while crafting original writing.

CREATIVE WRITING I   **10252X0D   1 CREDIT**
This course is designed for the student interested in writing original poetry, plays, essays, and short stories. Students consider the elements of creativity - inspiration, form, and content - in relation to styles of representative authors. Self-criticism, group evaluation, contest entries, and publication of students' work are required activities. Projects may include entertainment of a poet-in-residence and publication of a literary magazine.

CREATIVE WRITING I (HONORS)   **10255X0D**   **1 CREDIT**

In this course, students will study the elements of creative expression and production through mentor texts and original poetry, short story, memoir, drama, and essays. Students will use a writer's workshop course structure of self- and peer- evaluation and multiple revisions to produce publishable works of literature. Students will be expected to develop an extended project of work over time, responding to feedback and revising for a specific audience, such as a school literary magazine.

CREATIVE WRITING II   **10252X0H**   **1 CREDIT**

Recommended prerequisite(s): Creative Writing I

In this course students will research, create, read, and study a specific genre and the movements within that genre over the past 100 years. They create manuscripts for presentation to various outlets for publication and may be expected to participate in the publication of a school literary magazine.

CREATIVE WRITING II (HONORS)   **10255X0K**   **1 CREDIT**

Recommended prerequisite(s): Creative Writing I

This course is designed for students interested in exploring the Creative Writing II curriculum at a more intensive and extensive level. Students taking this course for Honors credit must write extended and polished responses to course assignments, participate in peer review panels, and submit manuscripts for publication. They may also be expected to participate in the local publication of a school literary magazine.

CULTURAL MEDIA LITERACY   **10252X0E**   **1 CREDIT**

This course is designed for the student to study forms of media that entertain, inform, and shape our society including television, movies, video games, music, advertisements, news media, the Internet, and literature. Students will study media from a historical perspective and analyze media so that they will be informed consumers and citizens able to make decisions in our democratic society. Through individual and group projects, students will examine the relationship between culture and media.

CULTURAL MEDIA LITERACY (HONORS)   **10255X0E**   **1 CREDIT**

This course is designed for the student to study forms of media that entertain, inform, and shape our society including television, movies, video games, music, advertisements, new media, the Internet, and literature. In addition to analyzing the role of media in shaping culture through a historical perspective, students can expect to design and develop their own research on modern media and its global effect on culture.

THE HUMAN EXPERIENCE (HONORS)   **10255X0B**   **1 CREDIT**

This literature-based course is intended for those students interested in exploring different aspects of the human experience. Divided into five units, the course explores how, through literature, we approach and define our understanding of what it means to be human. By exploring how literature and other forms of writing approach art, history, philosophy, and religion, students will gain a better understanding of the human experience.

INTEGRATED READING   **10252X0F**   **1 CREDIT**

Co-requisite: English I

This course is to be taught as an integrated year-long course with English I and is designed for students who benefit from instruction in phonemic awareness, decoding, fluency, spelling, vocabulary, and comprehension. Students receive targeted instruction in reading at the same time they are taking English I in order to support their literacy growth in the context of opportunities to develop reading, writing, speaking, and viewing skills.

INTRODUCTION TO COMMUNICATIONS AND MASS MEDIA   **10312X0B**   **1 CREDIT**

This introductory course is designed for students interested in pursuing additional coursework in journalism, media, and communications. Students examine the basics of writing, design, and production as well as current industry issues.

LEADERSHIP IN MEDIA I (HONORS)   **10255X0C**   **1 CREDIT**

Recommended prerequisite(s): Newspaper I/II (H); or Yearbook I/II (H); or Creative Writing I/II (H)

This honors-level course provides advanced students with the environment to obtain leadership skills. Students successfully completing this course will be responsible for coaching and mentoring peers, setting and managing deadlines, leading instruction, having a cogent awareness of current trends within the medium, and producing a collaborative product that serves the school and community. This course is designed for students who have committed to leadership positions for school-wide publications, such as the school newspaper, yearbook, or literary magazine.

LEADERSHIP IN MEDIA II (HONORS)   **10255X0M**   **1 CREDIT**

Recommended prerequisite(s): Leadership in Media I (Honors)

In addition to the leadership skills required in Leadership in Media I, students in this honors course act in a supervisory role for not only their peers but also for emerging leaders within their staff, conducting meetings, fostering creativity and productivity, and establishing a collaborative and communicative environment. Students will also be required to study a book independently on leadership. This course is designed for students who are committing to a second year of leadership for school-wide publications, such as the school newspaper, yearbook, or literary magazine.

NEWSPAPER I   **10312X0G**   **1 CREDIT**

Recommended prerequisite(s): Application and teacher recommendation

This introductory newspaper course is designed for students interested in the construction and publication of regular editions of the school newspaper. Focus areas are learning the skills of newspaper writing and the responsibilities of newspaper business management.

NEWSPAPER II   **10322X0B   1 CREDIT**

Recommended prerequisite(s): Newspaper I, application, and teacher recommendation

This second-level newspaper course is designed to help students refine their skills in interviewing and reporting. Students design and publish regular editions of the school newspaper. They also deepen their understanding of the business management aspect of the newspaper.

NEWSPAPER II (HONORS)   **10325X0A   1 CREDIT**

Recommended prerequisite(s): Newspaper I, application, and teacher recommendation

This honors course allows junior- and senior-level publication staff members to develop advanced journalistic skills in addition to leadership skills. Students enrolled for honors credit are required to fill an editor's position or take a leadership role on the publication staff. They participate in the construction and publication of the school newspaper and master additional editorial and technological skills. Editorial skills include planning an entire issue, copy editing, and completing portfolios of their work. The technological skills include mastering advanced layout and design of desktop publishing and mastering digital imagery and photo placement. Students may receive honors credit in Newspaper II Honors one time only.

NEWSPAPER III   **10332X0   1 CREDIT**

Recommended prerequisite(s): Newspaper I and II and teacher recommendation

Students who have completed Newspaper I and II and who desire to refine skills in writing, editing, imaging, finance, and printing may elect this course. In addition to the development of higher-level writing skills and business management procedures, students enhance their knowledge of the laws and ethics of journalism.

NEWSPAPER III (HONORS)   **10335X0   1 CREDIT**

Recommended prerequisite(s): Newspaper I, Newspaper II (Honors), and teacher recommendation

This honors course provides advanced journalism students the opportunity to expand their portfolios (begun in Newspaper II Honors) and to develop and deliver training modules for all staff positions. Students electing this course are required to fill an editor's position or take a leadership role on the publication staff. In addition, they refine writing, editing, imaging, finance, and printing skills. Students may receive honors credit in Newspaper III Honors one time only.

SHAKESPEARE   **10252X0L   1 CREDIT**

In this course students enlarge and expand their knowledge of Shakespeare's plays by studying selected histories, comedies, and tragedies. Students also learn about the classical origins of Shakespeare's work, his influence on Western literature and culture, and relevant contemporary criticism of his dramas.

SHAKESPEARE (HONORS)   **10255X0L   1 CREDIT**

Recommended prerequisite(s): English I and II

This honors course provides students the opportunity to expand their knowledge of Shakespeare's plays through in-depth study and analysis of selected Shakespearean histories, comedies, and tragedies. Students also research the classical origins of Shakespearean works, Shakespeare's influences on Western literature and culture, and relevant contemporary criticism of his dramas.

SPEECH I   **10142X0   1 CREDIT**

This course, designed for the beginning and experienced public speaker alike, helps all students excel as it cultivates a positive and supportive classroom environment in which students become comfortable in front of an audience of their peers, giving a wide variety of speeches, practicing the virtues of constructive criticism, and learning the fundamentals of academic and legislative debate.

SPEECH I (HONORS)   **10145X0   1 CREDIT**

This course is designed for students interested in exploring the Speech I curriculum at a more intensive and extensive level. Students taking this course for Honors credit must write and deliver deeply considered and polished responses to course assignments, participate in peer review panels, and extend their thinking through preparing presentations that fulfill fundamental standards for selected events promoted by the National Forensics League.

SPEECH II   **10152X0   1 CREDIT**

Recommended prerequisite(s): Speech I

This course hones public speaking skills so that students may more rewardingly engage in competitive speaking and debate. Class activities are modeled on local, state, and national events expected by the National Forensics League. Included are dramatic and humorous interpretations of poetry and prose, student Congress, public forum and Lincoln-Douglas debate, extemporaneous speaking, and original oratory. Students who belong to a Speech and Debate Team will greatly benefit from this course, but all students who want to take their skills to the next level would derive much benefit and pleasure.

SPEECH II (HONORS)   **10155X0   1 CREDIT**

Recommended prerequisite(s): Speech I Honors

The Honors section of this course requires students to meet the rigorous and rewarding standards promoted by the National Forensics League. Students will explore all of the main events sponsored by the league: dramatic and humorous interpretation of poetry and prose, student Congress, public forum and Lincoln- Douglas debate, extemporaneous speaking, and original oratory. In the process of honing their skills, students will be expected to delve more deeply into the art of argumentation and the resources available through advanced research.

STRUCTURED WRITING   **10252X0J   1 CREDIT**

Recommended for grade 10

This course is designed for students who need additional instruction in the writing process. Students work with focusing on the main idea, organization, support and elaboration, style, and grammar/conventions. Students who need specific writing instruction and conferencing, as well as students who experience difficulty in writing during English I or II, should take this course.

TRENDS AND MOVEMENTS IN YOUNG ADULT LITERATURE   **10252X0M   1 CREDIT**

This survey course on the development and changing visions of Young Adult Literature examines themes and trends in literature that has been written specifically for teens. Students read young adult novels, drama, short stories, and poetry. They participate in literature circles, write analyses of work, do research, and develop projects.

TWENTIETH CENTURY CLASSICS (HONORS)   **10255X0R   1 CREDIT**

This literature-based course is intended for those students interested in exploring classics of modern literature. The course examines how literature connects to a variety of experiences such as coming of age, the search for purpose, the struggle of the outsider, the quest for dignity, and the place of humor. Within the course, students deepen their understanding of how to read, analyze, discuss, and write about sophisticated and difficult texts.

YEARBOOK I   **10312X0A   1 CREDIT**

Recommended prerequisite(s): Application and teacher recommendation

The introductory yearbook course offers the student total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copywriting, and proofing.

YEARBOOK II   **10322X0H   1 CREDIT**

Recommended prerequisite(s): Yearbook I, application, and teacher recommendation

The second-level yearbook course is designed to help students refine their skills in copywriting, proofing, photography, and layout planning. Students deepen their understanding of advertising.

YEARBOOK II (HONORS)   **10325X0D   1 CREDIT**

Recommended prerequisite(s): Yearbook I and teacher recommendation

This honors course is for junior- and senior-level publication staff members. Students are required to fill an editor's position or take a leadership role on the publication staff. Students plan a yearbook ladder, complete various spreads and assignments, and complete a portfolio of work. They master advanced layout and design of desktop publishing, digital imagery, and photo placement. Students may receive honors credit in Yearbook II Honors one time only.

YEARBOOK III   **10332X0A   1 CREDIT**

Recommended prerequisite(s): Yearbook I, Yearbook II, and teacher recommendation

Students who have completed Yearbook I and II and who desire to refine skills in planning, layout, and technology may elect this course. In addition to the development of higher-level writing skills and business management procedures, students enhance their knowledge of the laws and ethics of journalism.

YEARBOOK III (HONORS)   **10335X0A   1 CREDIT**

Recommended prerequisite(s): Yearbook I, Yearbook II (Honors), and teacher recommendation

This honors course provides journalism students the opportunity to expand their portfolios (begun in Yearbook II Honors) and to develop and deliver training modules for all staff positions. Students electing this course are required to fill an editor's position or take a leadership role on the yearbook staff. In addition, they increase technological skills and refine writing skills. Students may receive honors credit in Yearbook III Honors one time only.

English as a Second Language Courses

Students whose home language is not English and who are identified as English Learners may enroll in English as a Second Language (ESL) courses. The focus of the ESL classroom is to help students obtain English proficiency in order to participate fully and successfully in all academic areas.

ESL courses may be offered as two semester courses with one credit awarded for each semester. Students can take both semesters of a level, but it is not a requirement. Students can repeat the same course level for original credit. Please refer to the WCPSS Language Assistance Program for English Learners Overview for additional information regarding language level support for English Learners. The ESL teacher is the best resource for making decisions regarding course changes.

ESL I   10382X02 (Part I)   1 CREDIT
                                                  10382X03 (Part II)   1 CREDIT

This course is recommended for English Learners at the Comprehensive level of support (Entering Level 1) and/or Emerging (Level 2) on the Reading and Writing subtests of the WIDA Screener or ACCESS tests. Students in this course tend to be in Year 1 or Year 2 of schooling in the U.S., have very limited or no English language proficiency, struggle significantly to manage classroom content and require extensive scaffolding and modification to participate in learning activities. This course is designed to move students along the continuum of developing English as a new language. Recommended class size is a maximum of 10-12 students.

ESL II   10382X04 (Part I)   1 CREDIT
                                                  10382X05 (Part II)   1 CREDIT

This course is recommended for English Learners at the Comprehensive / Moderate level of support (Emerging Level 2 and/or Developing Level 3) on the Reading and Writing subtests of the WIDA screener or ACCESS tests. Students in the course tend to be in Year 2, Year 3, or Year 4 of schooling in the U.S., are able to converse with teachers and peers in English about familiar topics and some academic topics, may be able to manage grade-level content with language scaffolds and require moderate scaffolding and modifications to participate in learning activities. This course is designed to move students along the continuum of developing English as a new language. Recommended class size is a maximum of 12-15 students.

ESL III   10382X06 (Part I)   1 CREDIT
                                                  10382X062 (Part II)   1 CREDIT

This course is recommended for English Learners at the Moderate level of support (Developing Level 3 and/or Expanding Level 4) on the Reading and Writing subtests of the WIDA Screener or ACCESS tests. Students in the course tend to be in Year 3 or Year 4 of schooling in the U.S., are able to converse with teachers and peers in English about familiar topics and many academic topics, may be able to manage grade-level content with language scaffolds and require minimal scaffolding and modifications to participate in learning activities. This course is designed to move students along the continuum of developing English as a new language. Recommended class size is a maximum of 15 students.

ESL IV   10382X07 (Part I)   1 CREDIT
                                                  10382X072 (Part II)   1 CREDIT

This course is recommended for English Learners at the Moderate / Transitional level of support (Expanding Level 4 and/or Bridging Level 5) on the Reading and Writing subtests of the WIDA Screener or ACCESS tests. Students in this course tend to be in Year 3, Year 4, or Year 5 of schooling in the U.S., are able to converse with teachers and peers in English about familiar topics and most academic topics, manage grade-level content with minimal language support language scaffolds and are able to participate in classroom activities with some language scaffolding. This course is designed to move students along the continuum of developing English as a new language. Recommended class size is a maximum of 15 students.

ADVANCED LANGUAGE SUPPORT FOR ELLS   10382X08 (Part I)   1 CREDIT
                                                  10382X082 (Part II)   1 CREDIT

This course will focus on the finer details of the English language, specifically the academic language and skills needed for success in the regular classroom. Instruction will include support for higher levels of English language development, and guidance for organizing and completing projects and related tasks. Recommended class size is a maximum of 15 students.

Healthful Living Courses

The Healthful Living I course is required for high school graduation. Students are encouraged to enrich their skills in leadership, health and nutrition education through enrollment in Healthful Living elective options.

REQUIRED COURSE

HEALTHFUL LIVING I   **60492X0   1 CREDIT**

The completion of Healthful Living I is a North Carolina high school graduation requirement. The course consists of the required high school healthful living essential standards and clarifying objectives approved by the North Carolina State Board of Education and required by the North Carolina Department of Public Instruction. After completing Healthful Living I students are encouraged to pursue other Healthful Living electives.

Physical education components include the progressive development of motor skills and movement concepts along with learning opportunities that promote health related fitness and personal/social responsibility. Health components include analyzing the relation between nutrition and physical activity, understanding the importance and consumer health, learning solid decision-making to prevent use of alcohol, tobacco, and other drugs. Opportunities to practice solid decision making and conflict resolution strategies are provided to assist students in the development of healthy mental and emotional health through productive interpersonal communication and development of relationships.

HEALTHFUL LIVING I (HONORS)   **60495X0   1 CREDIT**

The completion of Healthful Living I meets the North Carolina high school graduation requirement for Healthful Living. The Honors Healthful Living I course presents high rigor learning opportunities to meet the required high school healthful living essential standards and clarifying objectives approved by the North Carolina State Board of Education and required by the North Carolina Department of Public Instruction. After completing Healthful Living I students are encouraged to pursue other Healthful Living electives.

Physical education components go beyond the standard Healthful Living I offering using student-led project coursework which demands higher-level knowledge of Physical Education principles. Health components go beyond the standard Health Education offering by blending neuroscientific principles with behavioral health concepts.

PHYSICAL ACTIVITY-BASED ELECTIVE COURSES

ADVENTURE EDUCATION   **60292X0G   1 CREDIT**

Recommended prerequisite(s): Healthful Living I

This course is based on the outdoor education model "Project Adventure" and is designed to provide opportunities for students to make positive choices, gain self-confidence, and challenge themselves to go beyond their perceived boundaries. Project Adventure empowers youth to experience and practice leadership, teamwork, problem-solving, and conflict resolution. Students participate in activities (dependent on school resources) such as orienteering, low ropes courses, team-building initiatives, cooperative games (New Games), and other activities. The students learn to work more effectively with others, stimulate creative thinking, and foster team building, self-confidence, and leadership skills. There is also a special focus for students interested in participating in triathlons.

PHYSICAL FITNESS I   **60602X0   1 CREDIT**

Recommended prerequisite(s): Healthful Living I

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.

WEIGHT TRAINING AND CONDITIONING I   **60292X0A   1 CREDIT**

Recommended prerequisite(s): Healthful Living I

This course is designed for the novice weight-training student. It involves introductory techniques of weight training and cardiovascular conditioning, safety precautions, and injury prevention, and other methods of weight management. The major focuses are general muscle toning and achieving total fitness. The development of a personal fitness program is a part of this course.

WEIGHT TRAINING AND CONDITIONING II   **60292X0B   1 CREDIT**

Recommended prerequisite(s): Weight Training and Conditioning I

This course is designed to improve muscular strength and power through progressive weight training techniques. More advanced coursework on the principles of cardiovascular fitness and strength development are parts of this course. The course includes techniques and skills as well as alternative strategies for developing overall strength and conditioning. The refinement of the student's personal fitness plan is included in this course.

WEIGHT TRAINING AND CONDITIONING III   **60292X0L   1 CREDIT**

Recommended prerequisite(s): Weight Training and Conditioning I & II

This course is for students interested in trying some advanced lifting and exercise techniques which may include Olympic lifts, plyometric training, and agility and speed workouts. Coursework may include the basic principles of exercise prescription, sports nutrition, exercise testing and evaluation, cardiovascular fitness, and strength development. The course includes techniques and skills as well as alternative strategies for developing overall strength and conditioning. The design and implementation of the student's personal fitness plan is included in this course.

TEAM SPORTS I   60292X0J   1 CREDIT

Recommended prerequisite(s): Healthful Living I

This course is designed to include the development of general personal fitness, and active participation in team sports such as basketball, soccer, flag football, lacrosse, volleyball, and softball. Activities are equally divided within the total weeks of instruction. This course includes the history, rules, and terminology with an emphasis on skill development, officiating, game strategies, and leadership.

TEAM SPORTS II   60292X0K   1 CREDIT

Recommended prerequisite(s): Team Sports I

This course is designed to include the development of a greater in-depth knowledge, the application of personal fitness skills, and the demonstration of more advanced team sport skills. Please see Team Sports I for a general listing of activities for this elective.

LIFETIME SPORTS I   60292X0D   1 CREDIT

Recommended prerequisite(s): Healthful Living I

Standard Version - This course is designed to include the development of general personal fitness, and active participation in lifetime sports such as golf, tennis, badminton, table tennis, bowling, archery, racquetball, and pickleball. Activities are equally divided within the total weeks of the semester. This course includes the history, rules, and terminology with an emphasis on skill development, game strategies, and safety.

Unified Sports Version - This course is designed to promote the Special Olympics Unified Sports model. Unified Sports joins people with and without intellectual disabilities on the same team. It was inspired by a simple principle: training together and playing together is a quick path to friendship and understanding. Students will team together to participate in Lifetime Sports Activities and tournaments with the goal of attaining skills and cultivating relationships.

LIFETIME SPORTS II   60292X0E   1 CREDIT

Recommended prerequisite(s): Lifetime Sports I

This course is designed to include the development of a greater knowledge and application of personal fitness development, demonstration of more advanced skills in lifetime sports. Activities are equally divided within the total weeks of the semester.

HEALTH & SCIENCE-BASED ELECTIVE COURSES

PERSONAL HEALTH & FITNESS   60092X0K   1 CREDIT

Recommended prerequisite(s): Healthful Living I

This course helps students obtain further up-to-date information in the areas of psychology, fitness and exercise, health environment, first aid, and safety. In this course, students will be certified in American Red Cross Community CPR and First Aid. They also develop a deeper understanding of high-interest health topics (nutrition and weight management, drug and alcohol addiction, eating disorders, and personal health issues), and how to develop and enhance cardiovascular and muscle strength and endurance through activities such as aerobics, step aerobics, and weightlifting. This course would be beneficial to students interested in lifeguarding, baby-sitting, and other personal health and safety careers. This is a good foundation course for students wishing to enroll in Sports Medicine I.

COMMUNITY FIRST AID & SAFETY/EMERGENCY RESPONSE   60092X0G   1 CREDIT

Recommended prerequisite(s): Healthful Living I

This course offers an in-depth focus on first aid, safety, and emergency response. Students will be certified in Community First Aid and Safety (Adult/Child/Infant CPR and basic first aid are the main components) or Emergency Response (CPR for the professional rescuer, emergency response, and an Automatic External Defibrillator (AED) section are the main components.) This course would be beneficial to students interested in "First Responder" and safety careers. This is a good foundation course for students wishing to enroll in Sports Medicine I.

SPORTS MEDICINE I   60632X0   1 CREDIT

Recommended prerequisite(s): Healthful Living I, Community First Aid & Safety/Emergency Response, or Personal Health & Fitness

This course is designed for students interested in the career of athletic training. The primary focus includes, but is not limited to, the following topics: The Athletic Training/Sports Medicine (ATSM) Team, organization and administration, injury prevention, physical training and conditioning techniques, nutritional considerations, protective sports equipment, psychology of sport injury/illness, mechanisms and characteristics of sports trauma, tissue response to injury, human anatomy, exercise physiology, biomechanics, kinesiology, CPR/blood borne pathogens, injury assessment and evaluation, environmental concerns, basic taping and bandaging, explanations of therapeutic modalities, basic exercise rehabilitation, drug use/abuse in sports, and skin disorders. Students may be required to engage in practical experience outside of class for the purpose of applying knowledge and techniques learned in class.

SPORTS MEDICINE II   60642X0   1 CREDIT

Recommended prerequisite(s): Sports Medicine I

This course is designed for students wanting to further their knowledge in the field of athletic training through the integration of information presented in Sports Medicine I. The primary focus includes but is not limited to the following topics: human anatomy, exercise physiology, biomechanics, kinesiology, specific sports injuries or conditions related to the foot/ankle/lower leg, knee, shoulder, elbow, forearm, wrist/hand, hip, thigh, groin, pelvis, abdomen, thorax, lumbar/thoracic/cervical spine, head, face, in addition to other health considerations and advanced taping techniques. Students may be required to engage in practical experience outside of class for the purpose of applying knowledge and techniques learned in class.

SPORTS MEDICINE III (HONORS)   **60655X0**   **1 CREDIT**

Recommended prerequisite(s): Successful completion of Sports Medicine I and II

Sport Medicine III Honors provides a global exploration of fundamental injury rehabilitation topics. This course can only be taught by a nationally certified athletic trainer. The course deeply explores the injury rehabilitation process including full understanding of tissue healing and modalities. In addition, the student will demonstrate how both these and the required components of a complete rehabilitation plan are taken into account while addressing specific injuries and conditions. Small student learning groups will learn economic management skills in creating an athletic training room supply list that will require adherence to a budget and being creative in money-saving strategies. Another mandate of the course requires the American Red Cross (ARC) certified instructor to maintain the student's certification in Adult CPR and AED. This process is delineated by the requirements set forth by the American Red Cross to achieve such certification. This course expands on the state standards for Healthful Living and Biology and infuses clinical application of medical skills and health literacy.

SPORTS MEDICINE IV (HONORS)   **60665X0**   **1 CREDIT**

Recommended prerequisite(s): Successful completion of Sports Medicine I, II, and III

Sports Medicine IV Honors provides global exploration of important health topics through a societal lens. This course can only be taught by a nationally certified athletic trainer. This is a two-part course. The first portion is a student driven research project of a predetermined instructor assigned health topic that is encountered in the field of athletic training. Small student learning groups will independently research their topic to an extensive level in order to create a product that is used to educate their peers. The product must include hands-on learning activities, delivery of content that utilizes technology, and a summative assessment tool. The second portion of the course requires the American Red Cross (ARC) certified instructor to lead students through the process of Emergency Response certification. This process is delineated by the requirements set forth by the American Red Cross to achieve such certification. This course expands on the state standards for Healthy Living and Biology and infuses clinical application of medical skills and health literacy.

LEADERSHIP-BASED ELECTIVE COURSES

PEPI I (PHYSICAL EDUCATION PUPIL INSTRUCTORS)   **60292X0T**   **1 CREDIT**

Recommended prerequisite(s): Healthful Living I

The course is designed for students interested in serving as physical education aides to elementary classroom teachers. Special training in the area of elementary physical education is given to each student prior to working in the schools. Students are trained in classroom management; development of physical activity lessons, conflict resolution skills, and providing lessons aligned to the Physical Education goals in the North Carolina Standard Course of Study. This course is designed for students interested in careers related to teaching or recreation leadership.

PEPI II   **60292X0U**   **1 CREDIT**

Recommended prerequisite(s): PEPI I

The course is an extension of PEPI I. Students in this course will take a more active role as a pupil instructor at the assigned elementary school. They are provided with additional opportunities to work with students at different grade levels and are expected to demonstrate a greater level of leadership within the PEPI program. This course is designed for students interested in careers related to teaching or recreation leadership.

JROTC Courses

Previous performance in JROTC courses and teacher recommendation should be considered in course selection.

AIR FORCE JROTC COURSE DESCRIPTION (Broughton and Sanderson High Schools only)

The mission of the AFJROTC program is to "Develop citizens of character dedicated to serving their nation and community." The Air Force Junior Reserve Officer Training Course (AFJROTC) is designed as a four-year program. Although participation in the entire program is encouraged, students may take one to four years if desired. One year of Healthful Living credit is awarded to students who complete AFJROTC/Healthful Living I and AFJROTC/Healthful Living II. This fills the Healthful Living requirement for high school graduation.

Classes are fun, active and challenging. Classes meet with the same frequency as other full-credit classes. Regulation Air Force uniforms are issued free of charge and are worn once each week and for appropriate cadet functions. Trips to various military facilities are taken throughout the year to observe military operations first-hand. Supervised orientation flights aboard military aircraft are offered when available from supporting military bases. The cadet corps color guard and drill teams compete against other JROTC units throughout the state and perform at school and community events. Returning cadets are offered an opportunity to attend a Summer Cadet Officer Leadership School. Corps' activities and class work are designed to build camaraderie among the cadets. Students are given the opportunity to build on their social and leadership skills in a variety of challenging and enjoyable activities.

No military service obligation results from participation in the AFJROTC program. Further, the AFJROTC program is not a recruiting platform for the U.S. Military Services. However, upon graduation, students with two or three years of AFJROTC, and who are otherwise qualified, may enlist in a branch of the military with advanced rank and pay. Students going on to college may qualify for three and four-year senior ROTC college scholarships, which pay for all tuition, fees and books, in addition to a tax-free stipend of $300.00 each month for the scholarship holder.

AFJROTC/HEALTHFUL LIVING I A   **95012X0AA 1 CREDIT**

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. This course 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 taught. Cadets are required to participate in physical education training and activities. Physical education components include fitness training, personal fitness, and individual and dual team sport skills. Health components include the study of assessing one's own health, nutrition and weight management, substance abuse, and conflict resolution. A North Carolina certified Health/PE instructor teaches the Healthful Living portion of the curriculum. To receive Healthful Living credit, a cadet must successfully complete both AFJROTC/Healthful Living I and AFJROTC/Healthful Living II.

AFJROTC/HEALTHFUL LIVING I B   **95012X0BB 1 CREDIT**

Recommended prerequisite(s): AFJROTC/Healthful Living I

This course is a continuation in the study of Aerospace Science and Leadership Education. Academic emphasis is on the aerospace environment, meteorology, flight physiology, and the principles of flight and navigation. Leadership emphasis is on understanding individual and group behavior, improving communication skills, and the introduction to leadership theories. Cadets are required to participate in physical education training and activities. Physical education components include fitness testing, personal fitness, team sports, aerobics, and outdoor education skills. Health components include the study of assessing one's own health, nutrition and weight management, substance abuse, and stress management. To receive Healthful Living credit, a cadet must successfully complete both AFJROTC/Healthful Living I and AFJROTC/Healthful Living II.

JROTC II   **95022X0BB 1 CREDIT**

Prerequisite: JROTC I Course (A & B), Grade 10-12

Credit: 1.0 Per Semester – This course includes classroom instruction and laboratory instruction expanding on skills taught in JROTC I. This course introduces equal opportunity and sexual harassment. It provides instruction on leadership styles and practical time to exercise leadership theories as well as the basic principles of management. JROTC II provides self-assessments that help students determine their skill sets and opportunities to each using acceptable principles and methods of instruction. The performance standards in this course are based on the performance standards identified in the Curriculum Manager for the US Army JROTC.

AFJROTC III   **95032X0A 1 CREDIT**

Recommended prerequisite(s): AFJROTC I or II

This course is a continuation in the study of Aerospace Science and Leadership Education. Academic emphasis is on 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 interest and role in the world. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues are examined. The regional areas included in the course are Europe, the Middle East, South Asia, East Asia, Africa, and Latin America. The lessons include excellent videos to provide a window into life and issues within the regions, followed by a variety of hands-on activities created to engage the cadets. Readings are also available to set the stage for each lesson, along with workbook exercises suitable for in-class or homework assignments. Leadership emphasis is on life skills such as 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 key leadership roles in the corps of cadets. Physical fitness continues to be important in the cadet's development and is 20% of the curriculum.

AFJROTC III (HONORS)   **95035X0A   1 CREDIT**

Recommended prerequisite(s): AFJROTC II

This is an honors level course in applied leadership using the AFJROTC organization as a leadership laboratory. Advanced reading assignments, writing assignments, practical actions, and analysis are requirements for this course. This course is designed to give the third-year cadet assigned to a mid-level leadership position a better understanding of leadership in small groups. As junior cadet leaders, these students will learn to analyze and determine the factors contributing to success and failure as they plan and execute projects and activities. Cadets 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. Participation in numerous major group projects will be required to fulfill the product requirements of this course. Examples include the annual military ball and the corps competitive drill team (specific projects will be determined by the Senior Aerospace Science Instructors). This course provides the unit's cadet mid-level leaders the tools needed to effectively run the corps of cadets. This course is a continuation in the study of Aerospace Science and Leadership Education. Academic emphasis is on 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. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues are examined. The regional areas included in this course are Europe, the Middle East, South Asia, East Asia, Africa, and Latin America. The lessons include excellent videos to provide a window into life and issues within the regions, followed by a variety of hands-on activities created to engage the cadets. Readings are also available to set the stage for each lesson, along with workbook exercises suitable for in-class or homework assignments. Leadership emphasis is on life skills such as managing others, stress management, financial management, citizenship, and ethics. Third year honor's course cadets put leadership skills learned in AFJROTC I and II into practice by holding the top key leadership roles in the corps of cadets. Physical fitness continues to be important in the cadet's development and is 20% of the curriculum.

AFJROTC IV   **95042X0A   1 CREDIT**

Recommended prerequisite(s): AFJROTC III

This is the advanced course of Aerospace Science and Leadership Education for students who have successfully completed AFJROTC III. 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. A variety of historical leaders, leadership situations, and institutions are studied, and cadets are required to write papers and make presentations on their research. Physical fitness continues to be important in the cadet's development and is 20% of the curriculum.

AFJROTC IV (HONORS)   **95045X0A   1 CREDIT**

Recommended prerequisite(s): AFJROTC III

This is an honors level course in applied leadership using the AFJROTC organization as a leadership laboratory. Advanced reading assignments, writing assignments, practical actions, and analysis are requirements for this course. This course is designed to give the fourth-year cadets assigned to senior-leadership positions a better understanding of leadership through management of the cadet corps. As senior cadet leaders, these students learn to analyze and determine the factors contributing to success and failure as they plan and execute corps projects and activities. A variety of leadership and management styles, personalities, and traits are studied. Cadets are required to read at least one book each quarter from the approved reading list and to present oral and written reports on their reading to the class. Weekly reading and writing assignments, along with classroom presentations, also are required based on selected readings from the AFJROTC IV course text. 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. Examples include the annual military ball and building the corps competitive drill team. (Specific projects are determined by the Senior Aerospace Science Instructors.) Physical fitness continues to be important in the cadet's development and is 20% of the curriculum.

ARMY (Wake Forest, Rolesville High School Millbrook High School, Enloe High School, Garner High School, and Knightdale High School)

The Army Junior Reserve Officer Training Course (AJROTC) is designed as a four-year Leadership Education and Training (LET) program. The core requirements of the program are met by taking AJROTCI, AJROTC II, AJROTC III, AJROTC IV, consecutively, normally in the fall semester. Cadets are afforded the opportunity to expand their AJROTC training in the spring semester by enrolling in Leadership, Drill, and Ceremonies. The mission of Army JROTC is "to motivate young people to be better citizens." Its purpose is to instill students with the values of citizenship, service to the community, personal responsibility, and a sense of accomplishment. Army JROTC offers student-centered classroom activities and outside-related experiences for the participants to acquire the knowledge, skills, self-discipline, patriotism, sense of responsibility, and respect for constituted authority that better prepare them for the future. Army JROTC classes are active, fun, and challenging. Classes offer academic challenges, practical leadership experience, marksmanship and physical training, and training in drill and ceremony. Regulation Army uniforms are issued to cadets free of charge and are required to be worn once each week, usually Wednesdays, and to appropriate cadet functions. Cadets are afforded the opportunity to participate in several extra-curricular activities such as Color Guard, drill team, marksmanship team, and raider team and as part of the Cadet Corps in community parades and special events. The Color Guard performs at varsity athletic events and several community, civic and veteran's functions. The Color Guard and other special teams also compete against other AJROTC units throughout the area. Returning cadets are offered an opportunity to compete for the privilege of attending a one-week camp for leadership/adventure training. The extra-curricular activities are designed to build camaraderie and sense of belonging among the cadets. Cadets earn awards, ribbons, and rank based upon their overall participation and academic performance.

No military service obligation is incurred from participation in the Army JROTC program. There are, however, some significant benefits that cadets can earn regarding advanced rank for enlistment, ROTC scholarships, and appointments to the military academies.

AJROTC/ HEALTHFUL LIVING I   **95012X0A   1 CREDIT**

This is the introductory course to AJROTC Leadership Education Training (LET). Students develop leadership skills and self-discipline through classroom instruction, hands-on activities, drill and ceremonies. Academic instruction covers the history of the military and leadership theory. This course is interspersed with concise overviews of the principles of leadership, to include basic principles of Citizenship in Action, Leadership Theory and Application, Foundations for Success, Drill and Ceremony, other citizenship and life management skills. Throughout the course, there are case studies readings, interactive videos, hands-on activities, and public speaking, in-text and student workbook exercises to guide in the reinforcement of the materials. Communication skills, problem solving, human relations, and critical thinking are also taught. Cadets are required to participate in formal ceremonies, parades, adventure training, leadership applications, history and traditions of the military. Cadets are required to participate in physical education training and activities. Physical education components include fitness training, personal fitness, and individual and dual team sport skills. Health components include the study of assessing one's own health, nutrition and weight management, substance abuse, and conflict resolution. A North Carolina certified Health/PE instructor teaches the Healthful Living portion of the curriculum. To receive Healthful Living credit, a cadet must successfully complete both AJROTC/Healthful Living I and AJROTC/Healthful Living II.

AJROTC/ HEALTHFUL LIVING II   **95022X0B   1 CREDIT**

Required prerequisite(s): AJROTC/Healthful Living I

This course is a continuation in the study of Leadership and Education Training with the focus directed at achieving a healthy lifestyle, through skills and knowledge gained along the way. Leadership is a continued emphasis, specifically, understanding individual and group behavior, improving communication skills, and the introduction to leadership theories with reinforcing practical applications. The physical education components include the Cadet Challenge fitness test, personal fitness, team sports, aerobics, outdoor education skills and Ballroom Dancing. Cadets are required to participate in a Service-Learning project, physical education training and JROTC Leadership Challenge Summer Camp activities. Cadets are required to participate in physical education training and activities. Physical education components include fitness training, personal fitness, and individual and dual team sport skills. Health components include the study of assessing one's own health, nutrition and weight management, substance abuse, and conflict resolution. A North Carolina certified Health/PE instructor teaches the Healthful Living portion of the curriculum. To receive Healthful Living credit, a cadet must successfully complete both AFJROTC/Healthful Living I and AFJROTC/Healthful Living II.

AJROTC III   **95032X0A   1 CREDIT**

Recommended prerequisite(s): AJROTC II

This course is a continuation of the Leadership Education and Training program. This course can be taken in the fall semester. Spring semester is by Senior Army Instructor's approval only. Academic emphasis is concentrated on expanding upon the base of knowledge gained at the first and second levels. Studies include topics on the Nation's defense forces and the federal judicial system. Foundations for success studies include conflict resolution, career planning, planning skills, financial planning, mediation, emotional intelligence and service learning. Other subject areas include orienteering, environmental awareness, and world geography. Cadets are given additional leadership training and are selected to fill leader and staff positions in the Cadet Organization, which affords them the opportunity to put their leadership skills into practice. Cadets are required to lead and/or participate in major events, marching activities, physical training, and other assigned projects.

AJROTC III (HONORS)   **95035X0A   1 CREDIT**

Recommended prerequisite(s): AJROTC II

This is an honors level course in applied leadership using the Cadet Organization as the basis for practical application. This course can be taken in the fall semester. Spring semester is by Senior Army Instructor's approval only. The course is designed to give the AJROTC III level cadets a better understanding of leadership through management of the cadet corps or major projects in support of the cadet corps such as the military ball, major award ceremonies, and formal inspections. In addition to regular AJROTC III academic instruction, the AJROTC III Honors cadet is required to read and report, both verbally and in writing, on four selected books or readings about leadership. The Honors cadet is expected to participate in AJROTC extra-curricular activities such as the competitive drill team. They are also expected to lead and/or participate in major events, marching activities, physical training and other assigned projects. Students may receive honors credit in AJROTC II Honors one time only.

AJROTC IV   **95042X0A   1 CREDIT**

Recommended prerequisite(s): AJROTC III

This is an advanced course in applied leadership using the Cadet Organization as the basis for practical application. This course can be taken in the fall semester. Spring semester is by Senior Army Instructor's approval only. The course is designed for cadets to assume and perform the responsibilities of leadership and staff positions. In their positions as senior leaders, these cadets plan, organize, implement, and lead the activities of the Cadet Organization. They gain experience in all aspects of the administration and logistics involved in maintaining a successful organization. Academic instruction is geared to prepare cadets for life after high school. They are instructed in college and career planning, making a difference through community service, and creating a portfolio. The cadets are instructed in democracy and freedom, local government, and Presidential power and are required to stay abreast of local issues. They are also required to lead and/or participate in major events, marching activities, physical training, and other assigned projects.

AJROTC IV (HONORS)   **95045X0A   1 CREDIT**

Recommended prerequisite(s): AJROTC III

This is an honors level course in applied leadership using the Cadet Organization as the basis for practical application. This course can be taken in the fall. Spring semester is by Senior Army Instructor's approval only. The course is designed to give the AJROTC IV cadets a better understanding of leadership through management of the cadet corps or major projects in support of the cadet corps such as the military ball, major award ceremonies, and formal inspections. In addition to regular AJROTC IV academic instruction, the AJROTC IV Honors cadet is required to read and report, both verbally and in writing, on four selected books or readings on famous historical military leaders. The Honors cadet is expected to participate in AJROTC extra-curricular activities such as the competitive drill team. They are also expected to lead d/or participate in major events, marching activities, physical training and other assigned projects. Students may receive honors credit in AJROTC IV Honors one time only.

LEADERSHIP, DRILL, AND CEREMONIES 95022X0D 1 CREDIT

Recommended prerequisite(s): AJROTC I

This course consists of advanced instruction in leadership, drill and ceremonies with particular emphasis on cadet participation in their earned leadership roles. This course is offered in the spring semester only. In their leadership positions, these cadets plan, organize, implement, and lead the activities of the Cadet Organization. They gain experience in all aspects of the administration and logistics involved in maintaining a successful organization. Instruction and practical application include the following topics: first aid, survival, and marksmanship. This is a physically active course, much of which is conducted outdoors.

LEADERSHIP, DRILL, AND CEREMONIES (HONORS) 95025X0 1 CREDIT

Recommended prerequisite(s): Army Science/Healthful Living I, Leadership, Drill and Ceremonies or AJROTC I and at least two years of successful drill team experience

This course includes advanced leadership training, advanced level drill and ceremonies topics. Students will serve in leadership billets in the class and will assist with the drill and ceremonies instruction. Emphasis will be on developing senior enlisted, junior officer and senior officer leadership skills. Topics of instruction include leadership models, biographies, and the motivational dynamics of leadership taught through seminars and case studies. There will be required reading and writing assignments in leadership focusing on the military and business models. This course will also focus on the applied aspects of drill and physical fitness. Cadets will be required to function in student's leadership billets.

NAVY (Cary High School Only)

Navy Junior Reserve Officer Training Course (NJROTC) is designed as a four-year program. Participation is voluntary and cadets may choose to take a NJROTC course each semester or selectively as long as the prerequisite courses have been previously completed or permission of the NJROTC instructor is granted. One year of Healthful Living credit is awarded to students who complete Naval Science/Healthful Living I and Naval Science/Healthful Living V. This fulfills the Healthful Living requirement for high school graduation. NJROTC courses beyond level I are identified as advanced electives under the North Carolina Academic Scholars Program. NJROTC classes are challenging, active, and fun. The goal of the program is to prepare students to be good citizens and leaders. Classes meet one period daily and each course includes instruction on drill and physical fitness. The academic, drill, and physical fitness components of the curriculum are prepared by the U. S. Navy and textbooks are provided through the Chief of Naval Education and Training (CNET). The Navy provides textbooks and uniforms to each student free of charge. The uniforms must be worn once per week at a minimum and to other appropriate cadet functions as designated by the SNSI. All students/parents are required to complete an annual health screening questionnaire and to have an annual Wake County Sports Physical no later than September 1st each school year. All NJROTC courses have time during class devoted to drill and physical training. Trips to various military facilities provide a look at military personnel, equipment, training, and activities.

Naval Junior ROTC is a complete program and offers a variety of co-curricular competitive and non-competitive activities. The unit performs school, community, and unit service as well as performing in parades and in color guards at school and in the community. The unit also sponsors voluntary, competitive, co-curricular teams in Academics, Color Guard, Drill, Field Team, Marksmanship (sport and precision division), Orienteering, and Physical Fitness. Cadets have opportunities annually to attend various summer camps to build their professional knowledge and enhance their skills. The co-curricular activities are designed to build camaraderie and a sense of belonging among the cadets and provide them opportunities to build their social and leadership skills in a variety of enjoyable and challenging activities. Cadets earn merit ribbons, medals and promotions based on their in-class performance, co-curricular participation, and displayed followership and leadership. Superior participation in the co-curricular activities may result in earning a Cary High School Letter. Students who have participated in NJROTC one or more semesters, and who are committed to returning to another NJROTC course the following, semester may wear the uniform weekly (all day on uniform day and participation in other required events, inspections parades etc.) and remain eligible during the off semester for NJROTC extra-curricular activities.

No military service obligation is incurred as a result of NJROTC participation. There are, however, some significant benefits, which cadets can earn through participation and demonstrated success in NJROTC. These include advanced rank for enlistment, nominations for college ROTC scholarships, and nominations to the Military Academies.

NJROTC/HEALTHFUL LIVING I 95012X0A 1 CREDIT

The Naval Science/Healthful Living I curriculum includes Introduction to Leadership; Naval Ships; Mission and Organization; The Navy and the People in a Democracy; Maritime Geography; Sea Power; Naval History to 1860; Oceanography; Introduction to Navigation and Time; Basic Seamanship; and First Aid. Physical education components include fitness, training, personal fitness and individual and dual team sport skills. Health components include the study of assessing one's own health, nutrition and weight management, substance abuse, and conflict resolution. A North Carolina certified Health/PE instructor teaches the Healthful Living portion of the curriculum. To receive Healthful Living credit, a cadet must successfully complete both Naval Science/Healthful Living I and Naval Science Healthful Living II.

NJROTC /HEALTHFUL LIVING II 95022X0B 1 CREDIT

Recommended prerequisite(s): Naval Science/Healthful Living I

The Naval Science/Healthful Living II curriculum includes Leadership in NJROTC, Naval Orientation; Planning; Citizenship in a Democracy and Under Other Forms of Government; Naval History: 1860 through 1945; Naval Ships and Shipboard Evaluations; Naval Weapons: Gunnery, Guided Missiles and Mines; Navigation Fundamentals and Rules of the Road; Small Boat Seamanship; and Survival Training and Orienteering. Physical education components include fitness testing, personal fitness, team sports, aerobics, and outdoor education skills. Health components include the study of assessing one's own health, nutrition and weight management, substance abuse, and stress management. To receive Healthful Living credit, a cadet must successfully complete both Naval Science/Healthful Living I and Naval Science/Healthful Living II.

NJROTC III   **95032X0A   1 CREDIT**

Recommended prerequisite(s): Naval Science/Healthful Living II

This curriculum includes advanced instruction in Leadership, Military Justice, Astronomy, International Law and the Sea, National Strategy, Sea Power and Naval Operations, Naval History: 1945 to the Gulf War, Meteorology and Weather, Naval Intelligence and National Security, Maneuver Board, Challenges of Future Navy Research, and Electricity and Naval Electronics.

NJROTC III (HONORS)   **95035X0A   1 CREDIT**

Recommended prerequisite(s): Naval Science/Healthful Living II

The Naval Science III curriculum consists of instruction and practical application in Leadership, International Law, National Security, Shipboard Organization and Watch Standing, Seamanship (to include deck, equipment and small boat), Maine Navigation, Rules for the Road and Maneuvering Board, Naval Weapons and Aircraft, Drill, and Physical Fitness. The curriculum includes the study of a variety of leadership styles in a case study format. These studies focus on biographies of military, political, business, and industrial leaders and challenge students to analyze their endeavors. Case studies of battles and business are also included. Students are required to complete numerous independent readings and at least two books and two papers are required during the. This course is presented in an open discussion format. Students may receive honors credit in Naval Science III Honors one time only.

NJROTC IV   **95042X0A   1 CREDIT**

Recommended prerequisite(s): Naval Science III

Naval Science IV is an advanced course in applied leadership using the NJROTC organization as a basis for practical actions and analysis. The intent is to assist fourth year cadets in understanding leadership and applying it within the context of the unit. In their positions of leadership, these cadets analyze and determine the underlying factors contributing to their varying degrees of success, throughout the year. A variety of historical leadership situations, institutions, and personalities are studied and cadets are required to write papers and make presentations about their research and findings. Preparation for the practical leadership course requires several sessions of orientation to ensure development of unit goals, procedures, and requirements. Weekly reading assignments from selected leadership texts are required along with classroom presentations. The cadets use this course to provide leadership and direction for the school's NJROTC unit.

NJROTC IV (HONORS)   **95045X0A   1 CREDIT**

Recommended prerequisite(s): Naval Science III

This is an honors level course in applied leadership using the NJROTC organization as a basis for advanced writing assignments, outside readings, and project leadership are all requirements of this course. This course is specifically designed to assist senior cadets who are assigned leadership positions to better understand leadership and management through application in the context of the NJROTC unit. In their positions of leadership these students learn to analyze and determine the factors contributing to varying degrees of success in unit projects. A variety of leadership and communications readings and historical articles are introduced to study leadership styles, personalities, and institutions. Cadets do extensive outside readings, prepare papers, and present oral presentations to the class. Preparation for the practical leadership applications requires weekly after school seminars and co-curricular participations. Two major projects per semester fulfill the "product requirement" for the course. Students are assigned participation and leadership roles for a variety of community services, school service, and unit service projects conducted by the NJROTC unit and selected jointly by the instructor and cadet leadership. This course specifically helps hone the training of unit leaders and provides a decision-making forum for the corps of cadets. Students may receive honors credit in Naval Science IV Honors one time only.

LEADERSHIP, DRILL AND CEREMONIES   **95022X0D   1 CREDIT**

Recommended prerequisite(s): Naval Science/Healthful Living I

Note: Students can take this course more than once and receive credit.

This course consists of advanced instruction in all levels of Naval Service Drill and Ceremonies with particular emphasis on student participation in leadership roles at the Cadet Petty Officer, Chief Petty Officer, and Junior Officer Level. Topics of instruction include History of Military Customs, Courtesies, Etiquette, and Ceremonies, Squad, Platoon, Company and Battalion Drill and Ceremonies, Manual of Arms with the Sword, Guidon Manual, National and Organizational Flags and Color Guards, Parades, Inspection, Armed and Unarmed Exhibition Drill, and Personal and Unit Physical Fitness. This is a physically active course conducted outdoors.

LEADERSHIP, DRILL, AND CEREMONIES (HONORS)   **95025X0   1 CREDIT**

Prerequisites: Naval Science/Healthful Living I and Leadership, Drill and Ceremonies or NS-1 and at least two years of successful drill team

This course includes advanced leadership training, advanced level drill and ceremonies topics. Students will serve in leadership billets in the class and will assist with the drill and ceremonies instruction. Emphasis will be on developing senior enlisted, junior officer and senior officer leadership skills. Topics of instruction include leadership models, biographies, and the motivational dynamics of leadership taught through seminars and case studies. There will be required reading and writing assignments in leadership focusing on the military and business models. This course will also focus on the applied aspects of drill and physical fitness. Cadets will be required to function in student's leadership billets.

Mathematics Courses

The high school mathematics course of study is based upon the NC Math Standards adopted by the North Carolina State Board of Education in June 2016. The standards for the fourth math courses were revised and adopted in August 2019 and will be implemented in 2020-2021. The standards are divided into two equally important parts: The Standards for Mathematical Practice and the Standards for Mathematical Content. The Practice Standards describe the characteristics and habits of mind that all mathematically proficient students exhibit. The Standards for Mathematical Practice are:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

The Practice Standards will be applied throughout each course and, together with the Content Standards, will ensure that students experience mathematics as a coherent, useful, and logical subject.

The Standards for Mathematical Content for high school are divided into six conceptual categories: Number and Quantity, Algebra, Functions, Modeling, Geometry, and Statistics and Probability.

In order to graduate from the Wake County Public School System, a student must earn a minimum of four credits in mathematics. More information on typical math course sequences can be found at Math Sequences. Please note that this document does not include every possible path. Please talk with your school counselor about which path is best for you / your student.

INTRODUCTORY MATHEMATICS (ELECTIVE CREDIT)   **20202X0   1 CREDIT**
Introductory Math provides learners with an opportunity to review and study foundational topics for higher-level mathematics. Topics include simplifying expressions and solving one-variable equations and inequalities; one-variable statistics; different representation of functions; linear functions; the Pythagorean theorem; volume; solving systems of linear equations; graphing line of best fit; and operations with polynomials. Students will solve relevant and authentic problems using manipulates and appropriate technology.

FOUNDATIONS OF NC MATH 1 (ELECTIVE CREDIT)   **20902X0   1 CREDIT**
NOTE: This course should be paired with NC Math 1B (21092X0B)
The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. In conjunction with NC Math 1B, this course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

NC MATH 1B   **21092X0B   1 CREDIT**
Recommended prerequisite(s): Foundations of NC Math 1A
Note: This course should be paired with Foundations of NC Math 1A (20902X0)
The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 1. The final exam is the North Carolina End-of-Course Test based on the NC Math 1 Standards.

NC MATH 1   **21092X0**   **1 CREDIT**

Recommended prerequisite(s): Mastery of the middle school mathematics curriculum

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 1. The final exam is the North Carolina End-of-Course Test based on the NC Math 1 Standards.

MATH PLUS (HONORS) (ELECTIVE CREDIT)   **28005X0L** **1 CREDIT**

Recommended prerequisite(s): Marginal proficiency in NC Math 1 in 8th grade

Math Plus deepens the understanding of mathematical concepts covered in NC Math 1 to ensure that students are successful in future math courses. Students will be exposed to the content of NC Math 1 to reinforce crucial skills needed for Honors level courses. Students will also preview content for Honors NC Math 2.

FOUNDATIONS OF NC MATH 2 (ELECTIVE CREDIT)   **20912X0**   **1 CREDIT**

Recommended prerequisite(s): Marginal proficiency in NC Math 1

Foundations of NC Math 2 provides learners with an opportunity to review and study foundational topics for higher-level mathematics. The topics covered will be based on student needs and will be aligned with NC Math 2. Students will solve relevant and authentic problems using manipulatives and appropriate technology.

NC MATH 2   **22092X0**   **1 CREDIT**

Recommended prerequisite(s): NC Math 1

In NC Math 2, students continue to deepen their study of quadratic expressions, equations, and functions, comparing their characteristics and behavior to those of linear and exponential relationships from NC Math 1. The concept of quadratics is generalized with the introduction of higher degree polynomials. New methods for solving quadratic equations are developed. The characteristics of advanced types of functions are investigated (including inverse variation and square root functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between NC Math 2 and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 2.

NC MATH 2 (HONORS)   **22095X0**   **1 CREDIT**

Recommended prerequisite(s): NC Math 1

In NC Math 2, students continue to deepen their study of quadratic expressions, equations, and functions, comparing their characteristics and behavior to those of linear and exponential relationships from NC Math 1. The concept of quadratics is generalized with the introduction of more sophisticated polynomials. New methods for solving quadratic and exponential equations are developed. The characteristics of more advanced types of functions are investigated (including inverse variation and square root functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between NC Math 2 and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Honors NC Math 2 explores content at a rigorous level to begin students' preparation for advanced math courses. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 2.

FOUNDATIONS OF NC MATH 3 (ELECTIVE CREDIT)   **20922X0**   **1 CREDIT**

Recommended prerequisite(s): Marginal proficiency in NC Math 2

Foundations of NC Math 3 provides learners with an opportunity to review and study foundational topics for higher-level mathematics. The topics covered will be based on student needs and will be aligned with NC Math 3. Students will solve relevant and authentic problems using manipulatives and appropriate technology.

NC MATH 3   **23092X0**   **1 CREDIT**

Recommended prerequisite(s): NC Math 2

This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include logarithmic, polynomial, rational, absolute value, piecewise, and trigonometric functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all their experience with functions and geometry to create models and solve contextual problems. Appropriate technology and tools, including manipulatives and calculators,

will be used regularly for instruction and assessment. The Standard for Mathematical Practice applies throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that means use of their ability to make sense of problems and situations. This course fulfills the North Carolina high school graduation requirement for NC Math 3. The final exam is the North Carolina End-of-Course Test based on the NC Math 3 Standards.

NC MATH 3 (HONORS)   **23095X0   1 CREDIT**
Recommended prerequisite(s): Honors NC Math 2
This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include logarithmic, polynomial, rational, absolute value, piecewise, and trigonometric functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all their experience with functions and geometry to create models and solve contextual problems. Honors NC Math 3 explores content at a rigorous level to prepare students for advanced math courses. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. The Standard for Mathematical Practice applies throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that means use of their ability to make sense of problems and situations. This course fulfills the North Carolina high school graduation requirement for NC Math 3. The final exam is the North Carolina End-of-Course Test based on the NC Math 3 Standards.

MATH COURSES BEYOND NC MATH 3
The following mathematics courses are accepted as the 4th level mathematics course required for graduation under the Future Ready Core. With the exception of AP Computer Science, all the courses listed below are accepted as the fourth math for admission to UNC System Institutions. If interested, see your counselor to discuss Community College mathematics course options that also meet graduation requirements and minimum admission requirements for UNC System institutions. Students wishing to attend non-UNC System colleges, a community college, or a technical school should check with the postsecondary institution for minimum admission requirements. If interested, see your counselor to discuss CTE course options that can also count as the 4th math credit needed for graduation.

NC MATH 4   **24092X0   1 CREDIT**
Recommended prerequisite(s): NC Math 3
The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for college level algebra and statistics or as a bridge to prepare students for Precalculus or other advanced math courses. This course is accepted as the fourth math for admission to UNC System institutions.

NC MATH 4 (HONORS)   **24095X0   1 CREDIT**
Recommended prerequisite(s): Honors NC Math 3
The primary focus of this course is on functions and statistical thinking, continuing the study of algebra, functions, trigonometry and statistical concepts previously experienced in NC Math 1-3. The course is designed to be a capstone to introductory statistical concepts. Additionally, the course intentionally integrates concepts from algebra and functions to demonstrate the close relationship between algebraic reasoning as applied to the characteristics and behaviors of more complex functions. In many cases, undergraduate students majoring in non-STEM fields will take an entry-level Algebra or Introductory Statistics course. Students will be prepared for college level algebra and statistics or as a bridge to prepare students for Precalculus or other advanced math courses. This course is accepted as the fourth math for admission to UNC System institutions.

PRECALCULUS (HONORS)   **24035X0   1 CREDIT**
Recommended prerequisite(s): Honors NC Math 3
The purpose of Precalculus is to build 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. This course is accepted as the fourth math for admission to UNC System institutions.

DISCRETE MATHEMATICS FOR COMPUTER SCIENCE (HONORS)   **24015X0   1 CREDIT**
Recommended prerequisite(s): Honors NC Math 4 or Precalculus
The purpose of this course is to introduce discrete structures that are the backbone of computer science. Discrete mathematics is the study of mathematical structures that are countable or otherwise distinct and separable. The mathematics of modern computer science is built almost entirely on discrete mathematics, such as logic, combinatorics, proof, and graph theory. At most universities, an undergraduate-level course in discrete mathematics is required for students who plan to pursue careers as computer programmers, software engineers, data scientists, security analysts and financial analysts. Students will be prepared for college level algebra, statistics, and discrete mathematics courses.

ADVANCED PLACEMENT STATISTICS   2A037X0   1 CREDIT

Recommended prerequisite(s): Honors NC Math 3, NC Math 4, NC Math 4 Honors or Precalculus

The AP Statistics curriculum is divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. This is a college-level course. Use of computers and graphing calculators play an important role in this course. For each session of classroom instruction, the student is expected to spend, as a minimum, an equal amount of time outside the classroom for review, written assignments, and preparation. It is expected that students enrolled in this course will take the College Board Advanced Placement Exam. This course is accepted as the fourth math for admission to UNC System institutions.

ADVANCED PLACEMENT CALCULUS: AB   2A007X0   1 CREDIT

Recommended prerequisite(s): Mastery of the Precalculus curriculum

The AP Calculus curriculum includes limits, continuity, derivatives with applications, and elementary integration with applications. This is a college-level course. Use of computers and graphing calculators play an important role in this course. For each session of classroom instruction the student is expected to spend, as a minimum, an equal amount of time outside the classroom for review, written assignments, and preparation. It is expected that students enrolled in this course will take the College Board Advanced Placement Exam. This course is accepted as the fourth math for admission to UNC System institutions.

ADVANCED PLACEMENT CALCULUS: BC   2A017X0   1 CREDIT

Recommended prerequisite(s): AP Calculus AB

The BC level of AP Calculus revisits some topics introduced in the AB course. Topics include differentials, integrals, infinite series, and differential equations. In addition, the curriculum for this course includes convergence and divergence of sequences and series, parametric representation of curves, polar curves, and additional integration techniques. This is a college-level course. Use of computers and graphing calculators play an important role in this course. For each session of classroom instruction, the student is expected to spend, as a minimum, an equal amount of time outside the classroom for review, written assignments, and preparation. It is expected that students enrolled in this course will take the College Board Advanced Placement Exam. This course is accepted as the fourth math for admission to UNC System institutions.

MATHEMATICS ELECTIVE COURSES BEYOND MATH 3

The following mathematics elective courses do not count as the 4th math required for graduation.

MATHEMATICAL ANALYSIS (HONORS)   28005X0J   1 CREDIT

Recommended prerequisite(s): AP Calculus BC

This course is designed for students who wish to extend their study of mathematics beyond AP Calculus BC. Topics include applications of partial derivatives; vectors; multiple integrals; vectors; multiple integrals; higher order differential equations; and basics of numerical analysis. This is a college-level course. Use of computers and graphing calculators play an important role in this course. For each session of classroom instruction, the student is expected to spend, as a minimum, an equal amount of time outside the classroom for review, written assignments, and preparation.

ADVANCED PLACEMENT COMPUTER SCIENCE A   2A027X0   1 CREDIT

This is a college-level introductory course in computer science. Because the design and implementation of computer programs to solve problems involves skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course. The course is designed to be the equivalent of a first-semester college course in computer science. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Further information about the course and the AP Computer Science Exam can be found at http://www.collegeboard.com/student/testing/ap/sub_compscia.html. Note: AP Computer Science is not accepted as the fourth math for admission to UNC System institutions.

Science Courses

Previous performance in science courses and teacher recommendation should be considered in course selection.

BIOLOGY

INTRODUCTION TO THE PRINCIPLES OF BIOLOGY   **30202X0A**   **1 CREDIT**

This course introduces students to the major guiding principles of Biology – structures & processes of organisms, ecosystems, heredity, and biological evolution. Content material will be presented with an emphasis on project-based learning, literacy, and the 4 C's (communication, critical thinking, creativity, and collaboration). Students will develop analytical skills through the interpretation of scientific data and the incorporation of other research to support their arguments. This course is designed to precede the standard Biology course.

BIOLOGY   **33202X0**   **1 CREDIT**
BIOLOGY HONORS   **33205X0**   **1 CREDIT**

This course is designed to develop student understanding of biological concepts and principles and promote an understanding of plant and animal processes from the cellular to the multi-cellular level. Laboratory work is an important part of each phase of the course. The honors course is taught in greater depth and magnitude. The final exam is the North Carolina Biology End- of-Course Test.

ADVANCED PLACEMENT BIOLOGY   **3A007X0**   **1 CREDIT**

Recommended prerequisite(s): Biology/Honors Biology and Chemistry/Honors Chemistry

Students study the basic principles and concepts covered in an introductory "General Biology" college-level course. Topics include the structure and function of cells and organisms, the organization, requirements and development of living systems, and heredity and evolution. Students are provided in-depth laboratory experiences. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

MARINE ECOLOGY   **35352X0A**   **1 CREDIT**
MARINE ECOLOGY HONORS   **35355X0**   **1 CREDIT**

Recommended prerequisite(s): Biology

The interrelationships among marine organisms and the physical, chemical, geological, and biological factors in their environment are the focus of this course. The importance of the marine environment to life on earth is stressed. North Carolina's coastal processes are studied in detail. Laboratory and field experiences are major components of the course. The honors course is taught in greater depth and magnitude.

PRINCIPLES OF HUMAN INHERITANCE   **30202X0J**   **1 CREDIT**

Recommended Prerequisite: Biology

PRINCIPLES OF HUMAN INHERITANCE (HONORS)   **30205X0D**   **1 CREDIT**

Recommended Prerequisite(s): Biology and completed or concurrent enrollment in Chemistry

This course is designed to examine the transmission of traits from generation to generation with an emphasis on patterns of inheritance in humans. Students will study issues generated by biotechnology and how new technology is transforming research, industry, agriculture and our everyday lives, from the medical tests we take to the food we eat.

ANATOMY AND PHYSIOLOGY   **33302X0**   **1 CREDIT**
ANATOMY AND PHYSIOLOGY HONORS   **33305X0**   **1 CREDIT**

Recommended prerequisite(s): Biology

This course provides the student with a general study of the structure of the human body and a detailed study of the functions of the body systems. Laboratory work includes anatomical studies of mammals such as fetal pigs and cats.

CHEMISTRY

CHEMISTRY   **34202X0**   **1 CREDIT**

Recommended prerequisite(s): NC Math 3 or concurrent enrollment in NC Math 3

CHEMISTRY (HONORS)   **34205X0**   **1 CREDIT**

Recommended prerequisite(s): Honors Math 3 or concurrent enrollment in Honors Math 3

Chemistry is the study of the composition and properties of matter. It introduces the theories concerning the structure of matter and includes mathematical problems that illustrate these theories. Concepts and principles of chemistry are presented in great depth and at a rapid pace. Theoretical and mathematical relationships in chemistry are studied. Students perform extensive research, independent study, and laboratory work. Laboratory experiences and demonstrations are integral parts of this course.

ADVANCED PLACEMENT CHEMISTRY   **3A017X0**   **1 CREDIT**

Recommended prerequisite(s): NC Math 3 and Chemistry/Honors Chemistry

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

EARTH SCIENCE

EARTH SCIENCE/ENVIRONMENTAL SCIENCE	**35012X0**	**1 CREDIT**
EARTH SCIENCE/ENVIRONMENTAL SCIENCE (HONORS)	**35015X0**	**1 CREDIT**

Students are provided an in-depth study of the earth processes including plate tectonics, rock and mineral formation, and landforms. The course focuses on inquiry into the functions of the earth's systems. Emphasis is placed on matter, energy, coastal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material through the earth systems. Laboratory work is a major component of the course.

ASTRONOMY	**35402X0**	**1 CREDIT**
ASTRONOMY HONORS	**35405X0**	**1 CREDIT**

Recommended Prerequisite(s): Earth Science /Environmental Science
The underlying principles of life, earth, and physical science are integrated in this study of the universe. Historical astronomy, the solar system, comets, constellations, extraterrestrial life, and the evolution of stars are the major topics of study. Observational astronomy skills and critical thinking are fostered using laboratory and field activities.

INTRODUCTION TO METEOROLOGY	**30202X0L**	**1 CREDIT**
INTRODUCTION TO METEOROLOGY HONORS	**30205X0L**	**1 CREDIT**

Recommended Prerequisite(s): Earth Science /Environmental Science
This course focuses on inquiry into atmospheric conditions. Emphasis is placed on weather patterns, cycles of energy, interpreting and analyzing weather models, surface conditions, pollution, upper-air conditions, weather mapping, and climatological patterns. Laboratory work is a major component of this course.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	**3A027X0**	**1 CREDIT**

Recommended prerequisites: Successful completion of two years of high school laboratory science
The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

PHYSICAL SCIENCE

PHYSICAL SCIENCE	**34102X0**	**1 CREDIT**

This course is designed as an entry-level course. The concepts of physics and chemistry are taught using both laboratory approaches and inquiry teaching. Students use their mathematical skills in the applications of science. Science projects and other independent student research provide students with a better understanding of the processes of science.

PHYSICS

PHYSICS	**34302X0**	**1 CREDIT**
PHYSICS (HONORS)	**34305X0**	**1 CREDIT**

Recommended prerequisite(s): NC Math 3 or concurrent enrollment in NC Math 3
Students develop a general understanding of the mathematical and motion-oriented study of matter and energy. Mechanics, heat, light, electricity, magnetism, gravity, and nuclear energy are the major topics of study. Students who wish to study these topics in detail should take Honors Physics. Honors Physics is the in-depth mathematical and motion-oriented study of matter and energy. It provides an understanding of the physical principles and laws dealing with mechanics, heat, light, electromagnetism, and nuclear energy. Students are provided various laboratory experiences that are designed to enhance and reinforce concepts and principles in physics.

ADVANCED PLACEMENT PHYSICS I-ALGEBRA BASED	**3A057X0**	**1 CREDIT**

Recommended Prerequisite(s): Completed Math 3 and be comfortable with algebraic manipulation and right triangle trigonometry
AP Physics I is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum): work, energy, and power; and mechanical waves and sound. It also introduces electric circuits.
Physics I: unlike AP Physics B, which recommends a prior high school physics course, no prior course work in physics is necessary for students to enroll in AP Physics I.

ADVANCED PLACEMENT PHYSICS II –ALGEBRA BASED	**3A067X0**	**1 CREDIT**

Recommended Prerequisite(s): AP Physics I, completed or concurrent enrollment in Precalculus or equivalent
AP Physics II is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics.

ADVANCED PLACEMENT PHYSICS C: MECHANICS	**3A047X0**	**1 CREDIT**

Recommended prerequisite(s): Calculus AB and honors or AP Physics 1
This course should provide instruction in each of the following six content areas: kinematics; Newton's law of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillation and gravitation.

ADVANCED PLACEMENT PHYSICS C: ELECTRICITY AND MAGNETISM   **3A037X0**   **1 CREDIT**

Recommended prerequisite(s): Calculus AB and AP Physics C: Mechanics, corequisite: Calculus BC

This course should provide instruction in each of the following five content areas: electrostatics; conductors, capacitors and dielectrics; electric circuits; magnetic fields; and electromagnetism.

ADDITIONAL SCIENCE COURSES

FORENSIC SCIENCE   **30202X0D**   **1 CREDIT**
FORENSIC SCIENCE (HONORS)   **30205X0A**   **1 CREDIT**

Recommended prerequisite(s): Successful completion of Biology and Chemistry

In this course students will be examining the role of the forensic scientist. Students will experience the application of the pure sciences as they examine the evidence of various forensic situations. The concepts and principles are presented in great depth and at a rapid pace. The classroom activities will include traditional and modern biotechnological techniques.

RESEARCH METHODS AND TECHNIQUES   **30202X0G**   **1 CREDIT**
RESEARCH METHODS AND TECHNIQUES (HONORS)   **30205X0E**   **1 CREDIT**

Recommended prerequisite(s): NC Math 1 and Biology

This course provides extended, hands-on experience with tools, materials, and techniques used in biological, agricultural, and physical science research and application. Instruction includes appropriate methods for experimental design and implementation, data collection, and presentation of results. The honors level course affords students the opportunity to participate in advanced scientific research and scholarship. Students may do research in biology, chemistry, and the physical sciences. Instruction includes current methods for scientific research and experimental design.

Social Studies Courses

Previous performance in Social Studies courses and teacher recommendation should be considered in course selection.

REQUIRED SOCIAL STUDIES COURSES

WORLD HISTORY	**43032X0**	**1 CREDIT**
WORLD HISTORY (HONORS)	**43035X0**	**1 CREDIT**

This course will address six periods in the study of world history, with a key focus of study from the mid-15th century to the present. Students will study major turning points that shaped the modern world. The desired outcome of this course is that students develop understandings of current world issues and relate them to their historical, political, economic, geographical, and cultural contexts. Students will broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.

AMERICAN HISTORY I	**43042X0**	**1 CREDIT**
AMERICAN HISTORY I (HONORS)	**43045X0**	**1 CREDIT**

In this course students will examine the historical and intellectual origins of the US from the European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution, as well as the consequences of the Revolution, including the writing and key ideas of the US Constitution. This course will guide students as they study the establishment of political parties, America's westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.

AMERICAN HISTORY II	**43052X0**	**1 CREDIT**
AMERICAN HISTORY II (HONORS)	**43055X0**	**1 CREDIT**

In this course students will examine the political, economic, social, and cultural development of the US from the end of the Reconstruction era to the present times. Students will explore the change in the ethnic composition of American society, the movement toward equal rights for racial minorities and women, and the role of the US as a major world power. An emphasis will be placed on the expanding role of the federal government and the federal courts, as well as the continuing tension between the individual and the state. The desired outcome of this course is for students to develop an understanding of the cause –and – effect relationship between past and present events, recognize patterns of the interactions, and understand the impact of events on the US in an interconnected world.

AMERICAN HISTORY: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS	**42092X0**	**1 CREDIT**
AMERICAN HISTORY: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS (HONORS)	**42095X0**	**1 CREDIT**

This course provides students with a framework for understanding the basic tenets of American democracy, practices of American government as established by the US Constitution, basic concepts of American politics and citizenship, and concepts in micro- and macroeconomics and personal finance. The goal of this course is to help prepare students to become responsible and effective citizens in an interdependent world.

FOUNDING PRINCIPLES OF THE USA AND NC: CIVIC LITERACY	**43182X0**	**1 CREDIT**
FOUNDING PRINCIPLES OF THE USA AND NC: CIVIC LITERACY (HONORS)	**43185X0**	**1 CREDIT**

The standards and objectives in the Founding Principles of the United States of America and North Carolina: Civic Literacy course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry; behavioral sciences; civics and government; economics; geography; and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills.

AMERICAN HISTORY	**43112X0**	**1 CREDIT**
AMERICAN HISTORY (HONORS)	**43115X0**	**1 CREDIT**

The standards and objectives in the American History course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready. Despite there being a different overall focus for each subsequent course, students will explore the content through the following lenses: inquiry, behavioral sciences, civics and government, economics, geography, and history. As students develop cognitively, these lenses become more focused based on the grade-level content and disciplinary thinking skills.
*Note, this is a draft description and subject to change.

ECONOMICS & PERSONAL FINANCE	**43192X0**	**1 CREDIT**
ECONOMICS & PERSONAL FINANCE (HONORS)	**43195X0**	**1 CREDIT**

The standards and objectives in the Economics and Personal Finance course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready.

SOCIAL STUDIES ELECTIVES

21ST CENTURY GLOBAL GEOGRAPHY	**45052X0**	**1 CREDIT**
21ST CENTURY GLOBAL GEOGRAPHY (HONORS)	**45055X0**	**1 CREDIT**

This geography course will emphasize the increasing interconnectedness of the Earth's people due to globalization and spatial variation. While the origins of globalization are debatable, this process has been significantly amplified with the onset of the new communication technologies that have improved economic, political, social, cultural, historic, and geographic connection among individuals, groups, and nations. Students will learn about the awareness of how the positive or negative possibilities of these connections are paramount to individual improvement and the advancement of humanity.

AFRICAN AMERICAN STUDIES   46012X0   1CREDIT
AFRICAN AMERICAN STUDIES (HONORS)   46015X0   1 CREDIT

This conceptually driven course introduces students to the exploration of the rich and diverse history and culture of African Americans. The goal of this course is to broaden the knowledge and understanding of students interested in learning about the histories, cultures, and economic, geographic, and political realities of African Americans. This course will provide students with an opportunity to engage with the social, economic, and political activities of African Americans in a way that allows them to make deep connections across the content.

CONVERSATIONS IN DIVERSITY   48002X0E   1 CREDIT
CONVERSATIONS IN DIVERSITY (HONORS)   48005X0E   1 CREDIT

This course offers the opportunity to explore and reflect on a variety of perspectives on current domestic and global social problems. The structure and content of this course will allow critical thinking, dialogue, and examination of bias, prejudice, discrimination, and oppression. Through formal and informal discussion, individual exploration, research, reading, and writing, students will gain an appreciation for diversity, to promote awareness and social change.

HOLOCAUST AND GENOCIDE IN WORLD STUDIES (HONORS)   48005X0A   1 CREDIT

History of various genocides and holocausts is explored in this course reviewing attempts at wiping out groups based upon religious, racial and national origins. Participants will learn the impact of severe prejudice and persecution to understand the nature of civilization itself and focus on prevention strategies for future genocide and dehumanization. The World War II Holocaust as well as recent 20th century genocides such as Armenia, Rwanda, Cambodia, Sudan, and Darfur will be explored. Students will complete substantial reading, writing and research. Taking this course after successful completion of World History is recommended.

CONTEMPORARY LAW AND JUSTICE   48002X0J   1 CREDIT
CONTEMPORARY LAW AND JUSTICE (HONORS)   48005X0J   1 CREDIT

This course focuses on the legal, judicial, law enforcement and corrections systems of the United States. Examined are relevant examples of civil and criminal laws, law-enforcement methods, court procedures, and efforts toward corrective justice. Students also examine problems within the legal and justice systems.

LESSONS OF THE VIETNAM WAR/RECENT INTERNATIONAL RELATIONS   48002X0D   1 CREDIT
LESSONS OF THE VIETNAM WAR/RECENT INTERNATIONAL RELATIONS (HONORS)   48005X0D   1 CREDIT

The first half of this course focuses on the Vietnam War and related issues. Topics include geography, history, and culture of Vietnam; the ethical questions that arose during the conflict; the events of the social protest movement; worldwide response and involvement in Vietnam; problems of Vietnamese refugees and U.S. veterans; and Vietnam today. The second half is designed as a study of the major trends and issues in the post-World War II era with an insight into the growing interdependence of nations of the world. Emphasis is placed on the decision-making process of the United States in the field of foreign affairs. Recent problems, policies, and programs of the United States are analyzed.

PSYCHOLOGY (HONORS)   44035X0   1 CREDIT

This full-credit honors course is designed to give students an understanding of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. This course emphasizes the empirical examination of behavior and mental processes, and it infuses perspectives fostering students' growth, development, and understanding of cultural diversity. Students of psychology acquire information from a variety of sources, use information as they make decisions and evaluations, and solve problems. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior.

RELIGIONS IN WORLD CULTURES/THE BIBLE IN HISTORY   48002X0A   1 CREDIT
RELIGIONS IN WORLD CULTURES/THE BIBLE IN HISTORY (HONORS)   48005X0G   1 CREDIT

This course is a survey introducing students to religious expression across cultures and to the world religions of Hinduism, Buddhism, Judaism, Christianity, Islam, and Chinese religions. Students will examine religious tenets, practices, responses, and institutions and their impact upon world history and contemporary life. Learners will also explore primary religious texts and scriptures, including the Tanakh, the Bible, the Koran, the Bhagavad Gita, the Analects, the Tao Te Ching, and the Dhammapada, and their impacts on religious traditions, adherents, and the modern world.

SOCIOLOGY (HONORS)   44005X0   1 CREDIT

This full-credit honors course is designed to give students the tools necessary to concentrate on the systematic study of human society and human interaction. Students develop a sociological imagination in which they 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 discover how patterns of behavior develop, culture is learned, and social predictions are made.

SOCIOLOGY/ PSYCHOLOGY   48002X0B   1 CREDIT

This course provides an overview in the areas of Sociology and Psychology as a combined full-credit elective. Sociology gives students a general background of the major aspects of sociology. Students study the basic forces of social relationships as they influence the values, behavior, and knowledge of man. This course promotes an understanding of the way people develop an identity as individuals and as members of their societies and cultures. In Psychology, the story and growth of psychology as a science are studied. Basic theories of learning, personality development, patterns of human behavior, heredity and environment, and mental health are analyzed.

ADVANCED PLACEMENT COURSES

ADVANCED PLACEMENT COMPARATIVE GOVERNMENT & POLITICS   4A007X0   1 CREDIT
Recommended prerequisite(s): American History: Founding Principles, Civics & Economics
This course provides students with facts, concepts, and generalizations pertaining to world governments including those of Great Britain, France, Russia and China. Students study the sources of public authority and political power, society and politics, the citizen and the state, political frameworks and change, classifying governments and politics, problems in cross-cultural analyses, and other themes. Students will complete written analysis and interpretation of subject matter and demonstrate abilities to compare political institutions and processes. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT MACROECONOMICS   4A037X0   1 CREDIT
Recommended prerequisite(s): American History: Founding Principles, Civics & Economics
This course provides students with a thorough understanding of the principles of economics that apply to an economic system. Students enrolled in this course area expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT MICROECONOMICS   4A047X0   1 CREDIT
Recommended prerequisite(s): American History: Founding Principles, Civics & Economics
This course offers students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. Students enrolled in this course area expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT EUROPEAN HISTORY   4A017X0   1 CREDIT
Recommended Prerequisite (s): World History
The focus of this course is from the Renaissance and the Reformation to the post-World War II era. Emphasis is on three main themes: (1) political and diplomatic developments, (2) intellectual and cultural continuity and change, and (3) economic and social developments. Substantial out-of-class reading, writing, and research are expected. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT HUMAN GEOGRAPHY   4A027X0   1 CREDIT
Advanced Placement Human Geography provides students with insight into contemporary developments of world cultures, politics, and economies, including an analysis of the impact of the environment on the progress of world nations and regions. Students evaluate world events and data, write critically about world situations, and debate controversial aspects of an interdependent world. Major units focus on the spatial nature of geography and perspectives, population patterns and processes, cultural patterns and processes, political organization of space, agricultural and rural land use, consequences of industrialization and economic development, cities and urban land use. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT PSYCHOLOGY   4A057X0   1 CREDIT
Students study 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. The study of psychology enables students to recognize and cope with uncertainty and ambiguity in human behavior. Substantial out-of-class reading, writing, and research are expected. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT US GOVERNMENT AND POLITICS   4A067X0   1 CREDIT
Recommended prerequisite(s): American History: Founding Principles, Civics & Economics
This course is a survey of the United States national political system. Students will examine the U.S. constitutional system, its historical development, and current trends of the system with the goal to further skill development through a rigorous course of study. Assignments involve student reading, analysis, synthesis, writing, and speaking. Lectures, current problems, and practices are frequently used. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT UNITED STATES HISTORY   4A077X0   1 CREDIT
This course is designed to encourage students to become apprentice historians who can use historical facts and evidence in the service of creating deeper conceptual understandings of critical developments in US history. The curriculum of the course centers around four types of historical thinking skills: chronological reasoning, comparison and contextualization, crafting historical arguments from historical evidence, and historical interpretation and synthesis. Students will explore seven themes throughout this course: identity; work, exchange, and technology; people; politics and power; America in the world; environment and geography – physical and human; and ideas, beliefs, and culture. Students enrolled in this course are expected to take the College Board Advanced Placement test.

ADVANCED PLACEMENT WORLD HISTORY: MODERN   4A097X0   1 CREDIT
This is a new course for the 2019-20 school year with updated resources available on the College Board website. The course begins in 1200 CE, and students will begin the course with a study of civilizations in Africa, the Americas, Asia, and Europe that are foundational to the modern era. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Students enrolled in this course are expected to take the College Board Advanced Placement test.

Special Education Courses

Enrollment in these courses is dependent on goals and objectives written in the students' Individual Education Program (IEP).

DIPLOMA COURSES

CURRICULUM ASSISTANCE	**96102X0K**	**1 CREDIT**
CURRICULUM ASSISTANCE (9)	**96102X0L**	**1 CREDIT**
CURRICULUM ASSISTANCE (10)	**96102X0M**	**1 CREDIT**
CURRICULUM ASSISTANCE (11)	**96102X0Q**	**1 CREDIT**
CURRICULUM ASSISTANCE (12)	**96102X0R**	**1 CREDIT**

Curriculum Assistance (CA) is a program option designed for students receiving special education services who spend the majority of their day in the general education classroom. The goal is to provide the support necessary for the students to be successful in general education. The three main components of CA are tutorial, remedial, and study skills instruction **as related to IEP goals**.

CURRICULUM ASSISTANCE RESOURCE HI **96102X0T** **1 CREDIT**

This is a language-based Curriculum Assistance (CA) designed specifically for hearing impaired students.

CURRICULUM ASSISTANCE RESOURCE VI **96102X0U** **1 CREDIT**

This is Curriculum Assistance (CA) designed specifically for visually impaired students utilizing adaptive materials and assistive technology.

INDEPENDENT STUDY SKILLS **96102X0W** **1 CREDIT**

Recommended prerequisite(s): Teacher recommendation

The student works independently in a special area of concentration determined by the student's IEP goals and objectives.

INTRODUCTION TO COMMUNICATION SKILLS (READING) **96102X0P** **1 CREDIT**

This program focuses on basic reading and writing skills. Assignments, materials, and lesson presentations are modified based on the student's abilities. Areas of study include phonological awareness, word recognition skills, vocabulary development, comprehension, fluency, spelling patterns, handwriting, and simple written expression.

HIGH SCHOOL READING **96102X0SP** **1 CREDIT**

The course focuses on basic reading skills. Areas of study include phonological awareness, word recognition skills, vocabulary development, comprehension, fluency, and spelling.

MATH COURSE

Specially Designed Instruction to address documented Math needs in student IEPs will be delivered to support student success in these Math courses.

See the general education mathematics courses for more information on course content and type of credit received (elective or math).

VOCATIONAL EXPERIENCE CAREER TRAINING **9610BX0A** **1 CREDIT**

This course assists students in special education to develop entry-level job skills and competencies. The competencies include student assessment, career exploration, and employability skill development. After students identify job interests and develop job-seeking skills, they may be placed at a work site.

OCCUPATIONAL COURSE OF STUDY

Eligibility for participation in the Occupational Course of Study is determined by the Individual Education Program (IEP) Team, which includes school personnel, students, and parents. A student should only be considered for participation if the IEP Team determined that the North Carolina Standard Course of Study is inappropriate for the student even with the use of modifications, adaptations, supplemental aids, and services.

EMPLOYMENT PREP I SCIENCE   **9260BX0**   **1 CREDIT**

This course is designed to introduce students to the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment in their career choice and make career advancements. Students participate in school-based learning activities including work ethic development, job-seeking skills, decision- making skills, and self-management. Students are involved in on-campus vocational training activities such as school factories, work-based enterprises, hands- on vocational training and the operation of small businesses. Formal career planning and development of knowledge regarding transition planning begins in this course and continues throughout the strand of Employment Prep courses. Students will also begin their career portfolios and explore the six categories of employability skills.

EMPLOYMENT PREP II CITIZENSHIP 1A   **9261BX0**   **1 CREDIT**
EMPLOYMENT PREP II CITIZENSHIP 1B   **9262BX0**   **1 CREDIT**

This course emphasizes the development of skills generic to all careers including resource management, communication, interpersonal skills, technology, stamina, endurance, safety, mobility, motor, teamwork, sensory, problem-solving, cultural diversity, information acquisition/management, and self- management. This course focuses on providing students with a repertoire of basic skills that serve as a foundation for future career applications. Students expand their school-based learning activities to include on-campus jobs and begin some work-based learning activities. Job seeking skills also continue to be refined. Students must schedule 2 periods.

Students will continue developing their career portfolios and begin to apply developing skills from the six categories of employable skills.

EMPLOYMENT PREP III CITIZENSHIP 2A   **9263BX0**   **1 CREDIT**
EMPLOYMENT PREP III CITIZENSHIP 2B   **9264BX0**   **1 CREDIT**

This course is designed to allow students to continue the development and begin the application of skills learned in Employment Prep I and II. Work- based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality. Multiple opportunities for leadership development and self-determination are provided. Students must schedule 2 periods. Students will continue work on their career portfolios and begin to independently apply skills mastered from studying the six categories of employable skills.

EMPLOYMENT PREP IV MATH   **9265BX0**   **1 CREDIT**

This course gives students the opportunity to synthesize all the skills acquired in previous Employment Prep courses and apply them to their personal career choice. This course allows students to solve work-related problems experienced in competitive employment, practice self-advocacy skills and master the theoretical practical aspects of their career choice. Students finish completing the **225** hours of integrated competitive employment in a community setting required for successful completion of the Occupational Course of Study. Students also develop a job placement portfolio that provides an educational and vocational record of their high school experience. Students will also engage in Person Centered/Driven Planning, and explore Federal regulations associated with public health in addition to finalizing career portfolios and transferring skills mastered from experience with the six categories of employability skills.

ENGLISH LANGUAGE ARTS

ENGLISH I   **9210BX0**   **1 CREDIT**

This curriculum exposes students to content that is closely aligned with that of 9th grade English courses content. It focuses on the writing process to develop a product, the development of an understanding of appropriate presentation skills, the use of a variety of strategies to comprehend texts, the identification of examples of appropriate conventions in both written and spoken language, the analysis of cause-and-effect relationships, the understanding of literary elements, rhetorical techniques, and informational text, and the application of research tools and techniques to selected topics.

ENGLISH II   **9211BX0**   **1 CREDIT**

This academic world literature course is designed for the student who aspires to post-secondary community college or career experience. This class focuses on reading, writing, speaking and listening, and language. Writing instruction at this level focuses on mechanical correctness, fluency, and structure.

ENGLISH III   **9212BX0**   **1 CREDIT**

This curriculum focuses on the understanding of literary and informational texts, the use of appropriate communication skills, the creation of written products through the use of a template, the application of reading and comprehension strategies, the problem-solving process, cause and effect relationships to decision- making, and informational research for employment, post-secondary education/training, and independent living settings.

ENGLISH IV   **9213BX0**   **1 CREDIT**

This curriculum focuses on the application of literary and informational texts, the evaluation of communication between various audiences, the creation of written products without the use of a template, the application of reading comprehension strategies, the production of a plan to problem solve, the ability to attribute the impact of cause and effect, the generation of a viewpoint based on the analysis of a situation, and the creation of informational products for use in employment, post-secondary education/training, and independent living domains

MATH

INTRODUCTION TO MATHEMATICS   **9220BX0   1 CREDIT**
This curriculum focuses on the understanding of rational numbers, the application of mathematical operations, the application of ratios, proportions, and percents to solve problems, the use of two- and three-dimensional figures, the application of time and measurement skills, the application of algebraic properties, the understanding of patterns and relationships, and the understanding of data in terms of graphical displays, measures of center, and range.

NC MATH 1A (ELECTIVE CREDIT)   **9610BX0E   1 CREDIT**
NC Math 1A prepares students for the subsequent course, NC Math 1. Successful completion of both NC Math 1A and NC Math 1 will fulfill the NC Math 1 requirement. Students will receive two credits: NC Math 1A as an elective credit and NC Math 1 as the NC Math 1 CREDIT. The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. In conjunction with NC Math 1, this course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

NC MATH 1   **9225BX0   1 CREDIT**
The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for NC Math 1. The final exam is the North Carolina End-of-Course Test based on the NC Math 1 Standards.

FINANCIAL MANAGEMENT   **9222BX0   1 CREDIT**
This curriculum focuses on personal financial management, independent living, state and local income taxes, wages and compensation, credit, types of insurance, and the application of math skills to consumer practices.

SCIENCE

APPLIED SCIENCE   **9231BX0   1 CREDIT**
This curriculum focuses on the understanding of force and motion, of energy and its conversation, of electricity and magnetism, of the properties of matter, the identification of uses and dangers of common chemicals, the positive and negative effects humans have on the environment, and the human body's basic needs and control systems.

BIOLOGY   **9232BX0   1 CREDIT**
This course is designed to develop student understanding of biological concepts and principles and promote an understanding of plant and animal processes from the cellular to the multi-cellular level. Laboratory work is an important part of each phase of the course.

SOCIAL STUDIES

AMERICAN HISTORY I   **9247BX0   1 CREDIT**
This course will begin with the European exploration of the new world through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolutions as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution.

AMERICAN HISTORY II   **9248BX0   1 CREDIT**
This course will guide students from the late nineteenth century time period through the early 21st century. Students will examine the political, economic, social, and cultural development of the United States from the end of the Reconstruction era to present times. This course will trace the changes in the ethnic composition of American society, the movement toward equal rights for racial minorities and women, and the role of the United States as a major world power.

AMERICAN HISTORY: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS   **9249BX0   1 CREDIT**
This course provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and microeconomics and personal finance. The essential standards of this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics. The Civics and Government strand is framed to develop students' increased understanding of the institutions of constitutional democracy and the fundamental principles and values upon which they are founded, the skills necessary to participate as effective and responsible citizens and the knowledge of how to use democratic procedures for making decisions and managing conflict. The Economic and Personal Financial Literacy strands are framed to provide students with an understanding of the role economic factors play in making economic decisions, the ability to reason logically about key economic issues and the knowledge and skills needed to manage personal financial resources effectively for lifetime financial security. Taken together, these three strands should help to prepare students to become responsible and effective citizens in an interdependent world.

FOUNDING PRINCIPLES OF THE USA AND NC: CIVIC LITERACY   **9251BX0   1 CREDIT**

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.

ECONOMICS & PERSONAL FINANCE   **43192X0   1 CREDIT**

The standards and objectives in the Economics and Personal Finance course will provide students the opportunity to engage in intensive application of the skills, concepts, processes, and knowledge gained in previous social studies courses and prepare them to be college, career, and civic ready.

OCS COURSES TAKEN ON NCVPS

These courses combine the expertise of the online teacher with the special education methods and strategies of the face-to-face teacher to ensure appropriate mastery of the curriculum standards for students participating in the OCS program.

CERTIFICATE COURSES: NC EXTENDED CONTENT STANDARDS

SKILLS IN INDEPENDENT LIVING   **9610AX0C   1 CREDIT**

This course is designed to assist students in developing competencies in the following areas: money management, purchasing, cooking, laundry, cleaning, proper eating habits, appropriate manners, grooming, transportation, and mobility.

VOCATIONAL EXPERIENCE   **9610AX0A   1 CREDIT**

This course for students in special education is to develop entry-level job skills and competencies. The competencies include student assessment, career exploration, and employability skill development. After students identify job interests and develop job-seeking skills, they may be placed at a work site. Low Incidence Prerequisites are: (1) work related behaviors, (2) employment adjustment.

EMPLOYMENT ADJUSTMENT   **9610AX0E   1 CREDIT**

Students participate in on-campus jobs based on IEP goals to build job related skills.

WORK RELATED BEHAVIOR   **9610AX0D   1 CREDIT**

This curriculum concentrates on work related behaviors. The school setting environment is organized to promote independence and skill building. Students are assisted in developing a sense of organization, dependability, speed, and quality of production as reflected in a student's IEP.

SOCIALIZATION LEISURE SKILLS   **9610AX0B   1 CREDIT**

The socialization curriculum concentrates on work related behavior. The curriculum includes assuming the roles associated with the development of acceptable manners, recognition and respect for authority, development of self-responsibility, and appropriate expression of emotions. Activities are related to actual experiences. Concepts lead to the student's recognition of himself as a valuable asset to society. The purpose of leisure education is to assist students in developing the skills necessary to enjoy leisure time with opportunities for learning about leisure, developing leisure skills, and practicing the skills in actual leisure environments.

PHYSICAL EDUCATION   **60292X0   1 CREDIT**

This course is designed to help students receiving special education services develop physical and social skills. The student learns to understand and accept limitations: correct problems where possible, develop skills in sports and games suitable to limitations, and develop knowledge and appreciation of body mechanics.

ENGLISH/LANGUAGE ARTS

ENGLISH/LANGUAGE ARTS I   **9310AX0   1 CREDIT**

This academic course focuses on the development of skills needed for communication and comprehension in functional reading and writing. Emphasis is on enabling the student to interact with his environment independently to the extent of his abilities.

ENGLISH/LANGUAGE ARTS II   **9311AX0   1 CREDIT**

This academic course focuses on further development of skills needed for communication and comprehension in functional reading and writing.

ENGLISH/LANGUAGE ARTS III   **9312AX0   1 CREDIT**

This academic course provides development of skills and understanding of functional reading and writing as it pertains to the student's interaction with his/her environment in a variety of prevocational/vocational settings.

ENGLISH/LANGUAGE ARTS IV   **9313AX0   1 CREDIT**

This academic course provides further development of the skills and understanding of functional reading and writing as it pertains to the student's independent interaction with his/her environment in a variety of vocational settings to the extent of his/her abilities.

MATH

NC MATH 1A   **9324AX0   1 CREDIT**

This course is designed for students to understand and demonstrate number and quantity by using unit rate to identify quantities, extending the base ten system to tenths and hundredths place, and computing with base ten system to tenths and hundredths place.

NC MATH 1B   **9325AX0   1 CREDIT**

This course is designed for students to understand and demonstrate seeing structures in systems, creating equations, and reasoning with equations and inequalities equivalent expressions, understanding inequalities and solving equations/inequalities.

FINANCIAL MANAGEMENT   **9322AX0   1 CREDIT**

This course is designed for students to understand the difference between wants and needs, that money comes from working, and appropriate methods for personal financial management and independent living.

SCIENCE

LIFE SCIENCE   **9331AX0**   **1 CREDIT**

This course is designed for students to understand and apply safety measures and procedures in a variety of situations in the community and home, apply skills associated with providing simple first aid and obtaining medical treatment when needed and apply the skills needed to practice healthful living and good nutrition.

BIOLOGY A   **9332AX0**   **1 CREDIT**

This course is designed for students to understand the structures and functions of living organisms and understand how living things interact with and within their environments.

BIOLOGY B   **9333AX0**   **1 CREDIT**

This course is designed for students to understand the impact of human activities on the environment and interdependence of living organisms within their environments.

SOCIAL STUDIES

SOCIAL STUDIES I   **9340AX0**   **1 CREDIT**

This course is designed for students to understand individual rights and the common good, the impact of government on society and individuals, and understand citizenship.

SOCIAL STUDIES II   **9341AX0**   **1 CREDIT**

This course is designed for students to understand the creation and development of the United States over time using chronological thinking and historical comprehension.

SOCIAL STUDIES III   **9342AX0**   **1 CREDIT**

This course is designed for students to understand the creation and development of the United States over time using historical research and historical analysis and interpretation.

World Language Courses

Previous performance in World Languages courses and teacher recommendation should be considered in course selection.

MODERN LANGUAGE LEVEL 1

French I	**11012X0**	**1 CREDIT**
German I	**11612X0**	**1 CREDIT**
Spanish I	**11412X0**	**1 CREDIT**

 The Level 1 Modern Languages course is the first in a multi-course sequence of communicative, proficiency-based courses. In Level 1, students learn the foundations of the language's vocabulary and structures in order to communicate in simple sentences on simple topics related to basic, necessary skills in the target language. Classes are conducted primarily in the target language with a strong focus on comprehensible input at a level appropriate for novice learners. Activities focus on students' abilities to perform in the interpersonal, interpretive, and presentational modes with a strong focus on target culture literacy. As in all courses in modern languages sequence, the goal is that students will be able to use what they have learned now and in the future. Students who successfully complete the course will demonstrate Novice Mid proficiency or above. Typical topics in level one courses include personal identity, family, and activities in the community.

MODERN LANGUAGE LEVEL 2

French II	**11022X0**	**1 CREDIT**
German II	**11622X0**	**1 CREDIT**
Spanish II	**11422X0**	**1 CREDIT**

The Level 2 Modern Languages course is the second in a multi-course sequence of communicative, proficiency-based courses. In Level 2, students build on the linguistic foundations which they studied in Level 1. Students continue building on the foundation from Level 1, communicating in increasingly more complex situations and with greater depth. Classes are conducted primarily in the target language with a strong focus on comprehensible input at an appropriate level for novice learners, with added complexity compared to Level 1. Activities focus on students' abilities to perform in the interpersonal, interpretive, and presentational modes with a strong focus on target culture literacy. Students who successfully complete the course will demonstrate Novice High proficiency or above. Typical topics in level two courses include travel survival skills, entertainment, childhood, and daily life around the world.

MODERN LANGUAGE LEVEL 3

French III (Honors)	**11035X0**	**1 CREDIT**
German III (Honors)	**11635X0**	**1 CREDIT**
Spanish III (Honors)	**11435X0**	**1 CREDIT**

The Level 3 Modern Languages course is the third in a multi-course sequence of communicative, proficiency-based courses. The Level 3 course builds upon the many ideas, themes, and structures learned in Levels 1 and 2 for students to communicate in complex, higher-level sentences on a variety of topics, both familiar and new. Classes are conducted primarily in the target language with a strong focus on comprehensible input at an appropriate level for intermediate learners, with added complexity and elaboration compared to Levels 1 and 2. Activities focus on students' abilities to perform in the interpersonal, interpretive, and presentational modes with a strong focus on target culture literacy. Students who successfully complete the course will demonstrate Intermediate Low proficiency or above. Topics in Level 3 will vary, but leverage increasing language skills to examine the world on a global scale with themes that lay the foundation for courses such as AP/IB.

FRENCH IV (HONORS)   **11045X0   1 CREDIT**
Recommended prerequisite(s): French III
Students enrolled in this course have successfully completed Level III in high school or they 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 complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. The emphasis of this course can vary, as described above. Many different types of text (short stories, poetry, and 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 can connect the target language to other disciplines and can compare it to their own. Finally, they can use the language inside and outside of the classroom setting.

FRENCH V (HONORS)   **11055X0   1 CREDIT**
Recommended prerequisite(s): French IV
This course emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking that can be used in various activities and disciplines, and in formal and informal settings, rather than focusing on any specific subject matter. Emphasis is placed on the comprehension of the spoken and written target language in various contexts, coherent, and resourceful communication, and the organization and sharing of oral presentations and written presentations

ADVANCED PLACEMENT FRENCH LANGUAGE & CULTURE   **1A037X0   1 CREDIT**
Recommended prerequisite(s): French IV or French V
This course emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking that can be used in various activities and disciplines, and in formal and informal settings, rather than focusing on any specific subject matter. Emphasis is placed on the comprehension of the spoken and written target language in various contexts, coherent, and resourceful communication, and the organization and sharing of oral presentations and written presentations. This course follows the prescribed curriculum of the Advanced Placement program. Instruction focuses on the mastery of language skills through increased reading, conversation, and composition at the college level. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

SPANISH HERITAGE I   **11492X0**   **1 CREDIT**

Recommended prerequisite(s): Ability to speak and comprehend conversational Spanish

This course is designed specifically for native or heritage speakers of a language other than English who already have some oral language proficiency. The purpose of this course is to enable students to develop, maintain, and enhance their proficiency in the heritage language by providing them the opportunity to listen, speak, and write in a variety of contexts and for a variety of audiences, including the family, school, and the immediate community. The course will allow students to explore the cultures that use the heritage language, including their own, and it will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

SPANISH HERITAGE II (HONORS)   **11505X0**   **1 CREDIT**

Students enrolled in this course have either successfully completed a Heritage Language Level I course at the middle of high school or have placed out of Level I due to previous language study and/or established proficiency. This course is designed specifically for a native or heritage speakers of a language other than English who already have some oral language proficiency. The purpose of this course is to enable students to further develop, maintain, and enhance their proficiency in the heritage language by providing them the opportunity to listen, speak, read, and write in a variety of contexts and for a variety of audiences , including the family, school, and broader community. The course will allow students to explore the cultures that use the heritage language, including their own, and will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired.

SPANISH IV (HONORS)   **11445X0**   **1 CREDIT**

Recommended prerequisite(s): Spanish III

Students enrolled in this course have successfully completed Level III in high school or they 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 complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. The emphasis of this course can vary, as described above. Many different types of text (short stories, poetry, and 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 can connect the target language to other disciplines and can compare it to their own. Finally, they can use the language inside and outside of the classroom setting.

SPANISH V (HONORS)   **11455X0**   **1 CREDIT**

Recommended prerequisite: Spanish IV

This course emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking that can be used in various activities and disciplines, and in formal and informal settings, rather than focusing on any specific subject matter. Emphasis is placed on the comprehension of the spoken and written target language in various contexts, coherent, and resourceful communication, and the organization and sharing of oral presentations and written presentations

ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE   **1A087X0**   **1 CREDIT**

Recommended prerequisite(s): Spanish IV or Spanish V

This course emphasizes the use of language for active communication. Students develop language skills (reading, writing, listening, and speaking) that can be used in various activities and disciplines, and in formal and informal settings, rather than focusing on any specific subject matter. Emphasis is placed on the comprehension of the spoken and written target language in various contexts, coherent, and resourceful communication, and the organization and sharing of oral presentations and written presentations. This course follows the prescribed curriculum of the Advanced Placement program. Instruction focuses on the mastery of language skills through increased reading, conversation, and composition at the college level. It is expected that students enrolled in this course will take the College Board Advanced Placement Test.

ADVANCED PLACEMENT SPANISH LITERATURE & CULTURE   **1A097X0**   **1 CREDIT**

Recommended prerequisite(s): Spanish IV or Spanish V

The AP Spanish Literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American literature. The expansive reading list introduces students to the diverse literature written in Spanish and thus helps them reflect on many voices and cultures included in this very rich literature. Students will be exposed to a wide variety of genres and types of disclosure and will enable students to trace the history of the Spanish prose from Don Juan Manuel to modern times through some of its most brilliant practitioners.

GERMAN IV (HONORS)   **11645X0**   **1 CREDIT**

Recommended prerequisite(s): German III

Students enrolled in this course have successfully completed Level III in high school or they 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 complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. The emphasis of this course can vary, as described above. Many different types of text (short stories, poetry, and 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 can connect the target language to other disciplines and can compare it to their own. Finally, they can use the language inside and outside of the classroom setting.

GERMAN V (HONORS)   **11655X0   1 CREDIT**

Recommended prerequisite(s): German IV

Students enrolled in this course have successfully completed Level III at the middle or high school or they 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 complex ideas and concepts using concrete facts and topics with details in a variety of times. They satisfy routine social demands and meet most social requirements. The emphasis of this course can vary, as described above. Many different types of text (short stories, poetry, and 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 can connect the target language to other disciplines and can compare it to their own. Finally, they can use the language inside and outside of the classroom setting.

ADVANCED PLACEMENT GERMAN LANGUAGE AND CULTURE   **1A047X0   1 CREDIT**

Recommended prerequisite(s): German IV

This course is designed to promote proficiency in German and to enable students to explore culture in contemporary and historical contexts. The course focuses on communication and teaches students skills and abilities in the various modes of communication. Students will develop an understanding and appreciation of various aspects of the cultures of the German-speaking world. Students will explore topics in interesting, meaningful and engaging contexts.

LATIN I   **12412X0   1 CREDIT**

This course is an introduction to the study of the classical language and the Greco-Roman culture and may be taken in middle or high school. Students learn the basic functions of the language, become familiar with some of the elements of its culture and increase their understanding of English. Emphasis is placed on the development of skills in reading and comprehension of adapted texts. Integration of the other disciplines with special emphasis in English Language Arts is ongoing throughout the course.

LATIN II   **12422X0   1 CREDIT**

Recommended prerequisite(s): Latin I

Students enrolled in this course have either successfully completed Level I course in high school or have placed out of Level I due to previous language study and/ or established proficiency. This course continues the study of the classical language and Greco-Roman culture. Students learn increasingly complex functions of the language, become familiar with more elements of the culture, and increase their understanding of English. Emphasis is placed on the development of skills in reading and comprehension of adapted texts. Integration of other disciplines, with special emphasis on English Language Arts, is ongoing throughout the course.

LATIN III (HONORS)   **12435X0   1 CREDIT**

Recommended prerequisite(s): Latin II

Students enrolled in this course have successfully completed Level I and II courses in high school or have placed out of both levels due to previous language study and/ or established proficiency. This course focuses on advanced grammar skills in the classical language. It introduces the study of literature and emphasizes the process of reading authentic texts. Students continue to refine their knowledge and understanding of the Greco-Roman and their own culture by examining the interrelationships of these cultures and applying their knowledge and skills inside and outside the classroom setting. Integration of the other disciplines with special emphasis on English Language Arts is ongoing throughout the course.

LATIN IV (HONORS)   **12445X0   1 CREDIT**

Recommended prerequisite(s): Latin III

Students enrolled in this course have successfully completed a Level III course in high school or have placed out Level I due to previous language study and/or established proficiency. A major focus of Level IV is on reading authentic texts with grammar taught in context of the readings. Emphasis is placed on five figures of speech, analysis, and essay writing. There is more in-depth study of the Greco-Roman culture and its influence throughout the world, as well as the students' own culture. Students are now able to connect the classical language to other disciplines and compare it to their own language.

LATIN V (HONORS)   **12455X0   1 CREDIT**

Recommended prerequisite(s): Latin IV or teacher recommendation

Students enrolled in this course have successfully completed a Level IV course in high school or have placed out Level I due to previous language study and/or established proficiency. This course emphasizes the skills required for a student to successfully read, translate into English, understand, analyze, and interpret readings, including the cultural, social, and political context of literature on a syllabus. Students will also focus on writing well-developed essays in English.

ADVANCED PLACEMENT LATIN   **1A077X0   1 CREDIT**

Recommended prerequisite(s): Latin IV or Latin V

In the course, as in the parallel courses at colleges, students are expected to be able to translate accurately from Latin into English the poetry they are reading and to demonstrate a grasp of grammatical structures and vocabulary. Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work in the course. In addition, the AP Latin: Vergil course includes the study of the cultural, social, and political context of the literature on the syllabus.

Other Credit Programs

ACADEMIC DECATHLON **96102X0B1 1 CREDIT**

The purpose of the Academic Decathlon class is to prepare students to participate on a nine-member team that competes in a ten-event competition. This class is open to students in grades 9-12 who may participate on a team as Honors, Scholastic, or Varsity students as defined by the United States Academic Decathlon guidelines for grade point averages. It encourages students to develop a greater respect for knowledge, promotes wholesome competition in academic areas of study and interests, and stimulates intellectual growth and achievement.

COMMUNITIES IN SCHOOLS I **96102X0G 1 CREDIT**

The Communities in Schools I program provides at-risk students an opportunity to experience success in school, to improve attitudes and behaviors that contribute to successful learning and living, and to access health and social services support. Tutoring and mentoring by volunteers from the community are part of this course. Study skills, life skills, and employability skills are addressed. Shadowing opportunities are offered and guest speakers, field trips, and workshops provided by community agencies contribute to the curriculum. With extra support and encouragement, students work towards helping themselves be successful.

COMMUNITIES IN SCHOOLS II **96102X0H 1 CREDIT**

The Communities in Schools II program provides at-risk students who have demonstrated a need for additional assistance beyond CIS I an opportunity to improve attitudes and behaviors that contribute to successful learning and living. Tutoring and mentoring, guest speakers and field trips are continued in the second- level course. Extra support and encouragement are always emphasized.

FRESHMEN SEMINAR **96102X0E 1 CREDIT**

This course is designed for rising freshmen who have shown leadership potential and are interested in honing ability and learning new skills in order to take on the rigors of high school. This Paideia-style course will allow a diverse group of students the opportunity to interact with other leaders and to engage them through a variety of activities and problem-solving methods.

LIBRARY MEDIA STUDIES **96102X0HH 1 CREDIT**

Library Media Studies is an internship-style course based around the 4Cs of collaboration, communication, creativity, and critical thinking. This course empowers students to lead in the library while learning how to access and organize resources for academic research, develop literacy skills and enjoyment, use technology to enhance learning, and provide support to other students. In addition to daily roles and weekly assignments, students will participate in project-based learning as evidenced on a digital portfolio.

SEMINAR **96102X0D 1 CREDIT**

This course is designed as an integrated follow-up to two or more courses. Students reinforce and expand their knowledge of the content of the specified courses through a Paideia-like, seminar format.

INDEPENDENT STUDY SKILLS **96102X0W 1 CREDIT**

This course is designed to be taught as a companion to core courses to support students who enter high school with an intervention plan based on their Level 1 or 2 score on the eighth-grade End of Grade Test. Through literacy-rich learning activities using cross-curricular texts and materials, students learn how to break apart long or complex assignments and create their own scaffolds for success. Students will focus their learning on enhancing their ability to read and write effectively for content-area study. **This course may not be used as an independent study hall for students.**

OTHER PROGRAM AREA INTERNSHIP (NON-CTE) **96102X0A 1 CREDIT**

An internship allows for the development of skills within a general career field. Internships allow students to observe and participate in daily operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks. This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship. A student must complete 135 hours of work-based learning to earn 1 CREDIT. The Central Office School-to-Career Coordinator must be notified of each student who registers for this course for insurance purposes.

COLLEGE AND UNIVERSITY COURSES

College courses, which may be delivered by a community college, a public university or private college or university, provide credit toward a high school diploma and may satisfy a graduation requirement or provide an elective course credit. Students will receive 1.0 additional quality point to the grade earned in community college courses included on the most recent Comprehensive Articulation Agreement Transfer List, and for courses taught at four-year universities and colleges. The credit for the course will be entered in PowerSchool in historical data, after the student has completed the course and upon receipt by the high school of the college transcript showing the grade in the course. Students/parents are responsible for obtaining the college transcript and having it delivered to the school. The exceptions to this process include College and Career Promise courses scheduled by a school and University or Community College courses scheduled by the Early College High Schools and the Academies.

High School Course Codes

Base Course Code Variations for Scheduling Purposes (if needed)

- F = Fall
- S = Spring
- W = Wildcard to be used as you wish
- XR – Credit Recovery New Standards **(must be used)**
- I = ICR
- V = Online (must be used)
- C = CTE Academy
- CF = CTE Academy Fall
- CS = CTE Academy Spring
- N = Ninth Grade Center (if you have one)
- NF = Ninth Grade Center Fall
- NS = Ninth Grade Center Spring
- 09=Sheltered Course **(must be used)**

Course Code Explanation

Example: 10212X0

The first four digits indicate the course. The first digit of the four digits represents the academic area as follows:

0 = nonspecific subjects
1 = English/Language Arts; World Languages; Public Speaking
2 = Mathematics
3 = Science
4 = Social Studies
5 = Arts
6 = Health/PE
9 = Occupational Course of Study; ROTC; Approved Online Vendor Courses; Special Interest Topics; Teacher Cadet; SAT Prep; ACT Prep; Pre-K
Alpha = Career and Technical Education courses

When there is a number in the first digit and a letter in the second of the four digits, the letter indicates a special course type that is different from the NC Standard Course of Study.

C = Community College
U = University or College
A = Advanced Placement
I = International Baccalaureate (IB)

The fifth digit indicates the academic level/grading weight given the course. It is also used to indicate Exceptional Children Extended Content Standards and Occupational Course of Study courses.

2 = standard weight; no additional quality point
5 = honors weight; 0.5 or 1 additional quality point**
7 = AP weight; 1 or 2 additional quality points**
8 = IB weight; 1 or 2 additional quality points**
A = Extended Content Standards; no additional quality point
B = Occupational Course of Study; no additional quality point
**Refer to chart on Page 17 for new quality point breakdown based on 9th Grade Entry Date

The sixth digit indicates the current level of the student.
Z = elementary
Y = middle
X = high

Note: When a high school course is being taught at middle school for credit, the first four digits will be the high school course and a Y will be in the 6th digit to indicate that the high school course is being taken by a middle school student for high school credit.

The seventh digit indicates various course sequence information.
• Example: A world language course such as Spanish I may be taught in middle school for high school credit and taught over a two-year period in order to cover the material--Spanish I (Part A) and Spanish I (Part B). Both would be required to receive credit for the Spanish I course on the high school transcript.
• Example: A three-course sequence for the CTE Modern Plumbing Part A; Modern Plumbing Part B; Modern Plumbing Part C courses. Each course may be taken and awarded credit individually without completing all three.
The eighth through tenth digits are for District use only.

Course Codes 2022-2023

Course Title	Content Area	Course Code	Change
DANCE - BEGINNING	ARTS	51152X0A	
DANCE - INTERMEDIATE	ARTS	51162X0A	
DANCE - PROFICIENT (HONORS)	ARTS	51175X0A	
DANCE - ADVANCED (HONORS)	ARTS	51185X0A	
INDEPENDENT STUDY – DANCE SPECIALIZATION (ADVANCED)	ARTS	51285X0A	
MUSIC APPRECIATION – MUSIC SPECIALIZATION (BEGINNING)	ARTS	52162X0A	
GUITAR – MUSIC SPECIALIZATION BEGINNING	ARTS	52162X0D	
GUITAR – MUSIC SPECIALIZATION INTERMEDIATE	ARTS	52172X0D	
MUSIC THEORY – MUSIC SPECIALIZATION (PROFICIENT)	ARTS	52185X0A	
INSTRUMENTAL MUSIC: JAZZ ENSEMBLE – MUSIC SPECIALIZATION (PROFICIENT)	ARTS	52185X0B	
GUITAR – MUSIC SPECIALIZATION- PROFICIENT (HONORS)	ARTS	52185X0D	
MUSICAL THEATRE ORCHESTRA – MUSIC SPECIALIZATION (PROFICIENT)	ARTS	52185X0G	
INDEPENDENT STUDY – MUSIC SPECIALIZATION (ADVANCED)	ARTS	52195X0A	
VOCAL MUSIC – MIXED CHORUS – BEGINNING	ARTS	52302X0A	
VOCAL MUSIC – CHORAL ENSEMBLE – INTERMEDIATE	ARTS	52312X0A	
VOCAL MUSIC – CONCERT CHORUS – PROFICIENT (HONORS)	ARTS	52325X0A	
VOCAL MUSIC – SPECIAL CHORAL ENSEMBLE – ADVANCED (HONORS)	ARTS	52335X0A	
INSTRUMENTAL MUSIC: ORCHESTRA – BEGINNING	ARTS	52402X0A	
INSTRUMENTAL MUSIC: ORCHESTRA – INTERMEDIATE	ARTS	52412X0A	
INSTRUMENTAL MUSIC: ORCHESTRA – PROFICIENT (HONORS)	ARTS	52425X0A	
INSTRUMENTAL MUSIC: ORCHESTRA - ADVANCED (HONORS)	ARTS	52435X0A	
INSTRUMENTAL MUSIC: BAND – BEGINNING	ARTS	52552X0A	
INSTRUMENTAL MUSIC: BAND – INTERMEDIATE	ARTS	52562X0A	
INSTRUMENTAL MUSIC: BAND – PROFICIENT (HONORS)	ARTS	52575X0A	
INSTRUMENTAL MUSIC: BAND – ADVANCED (HONORS)	ARTS	52585X0A	
THEATRE ARTS - BEGINNING	ARTS	53152X0A	
THEATRE ARTS - INTERMEDIATE	ARTS	53162X0A	
THEATRE ARTS - PROFICIENT (HONORS)	ARTS	53175X0A	
THEATRE ARTS - ADVANCED (HONORS)	ARTS	53185X0A	
TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (BEGINNING)	ARTS	53612X0A	

PROGRAMMING AND BROADCASTING - THEATRE ARTS SPECIALIZATION (BEGINNING)	ARTS	53612X0B	
TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (INTERMEDIATE)	ARTS	53622X0A	
PROGRAMMING AND BROADCASTING – THEATRE ARTS SPECIALIZATION (INTERMEDIATE)	ARTS	53622X0B	
TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (PROFICIENT)	ARTS	53635X0A	
PROGRAMMING AND BROADCASTING - THEATRE ARTS SPECIALIZATION (PROFICIENT)	ARTS	53635X0B	
INDEPENDENT STUDY – THEATRE – THEATRE ARTS SPECIALIZATION (ADVANCED)	ARTS	53645X0A	
VISUAL ARTS - BEGINNING	ARTS	54152X0A	
VISUAL ARTS - INTERMEDIATE	ARTS	54162X0A	
VISUAL ARTS - PROFICIENT (HONORS)	ARTS	54175X0A	
VISUAL ARTS - ADVANCED (HONORS)	ARTS	54185X0A	
ART HISTORY – VISUAL ART SPECIALIZATION (BEGINNING)	ARTS	54612X0A	
DRAWING – VISUAL ART SPECIALIZATION (INTERMEDIATE)	ARTS	54622X0A	
SCULPTURE/CERAMICS – VISUAL ART SPECIALIZATION (INTERMEDIATE)	ARTS	54622X0B	
COMMERCIAL ART: PRINTMAKING/TEXTILES - VISUAL ART SPECIALIZATION (INTERMEDIATE)	ARTS	54622X0D	
COMPUTER ART AND ANIMATION - VISUAL ART SPECIALIZATION (INTERMEDIATE)	ARTS	54622X0E	
PAINTING – VISUAL ART SPECIALIZATION (PROFICIENT)	ARTS	54635X0A	
SCULPTURE/CERAMICS – VISUAL ART SPECIALIZATION (PROFICIENT)	ARTS	54635X0B	
COMPUTER ART AND ANIMATION - VISUAL ART SPECIALIZATION (PROFICIENT)	ARTS	54635X0E	
SCULPTURE/CERAMICS – VISUAL ART SPECIALIZATION (ADVANCED)	ARTS	54645X0A	
INDEPENDENT STUDY – VISUAL ART SPECIALIZATION (ADVANCED)	ARTS	54645X0B	
ADVANCED PLACEMENT ART HISTORY	ARTS	5A007X0	
ADVANCED PLACEMENT MUSIC THEORY	ARTS	5A017X0	
ADVANCED PLACEMENT STUDIO ART – 2D DESIGN	ARTS	5A027X0	
ADVANCED PLACEMENT STUDIO ART – 3D DESIGN	ARTS	5A037X0	
ADVANCED PLACEMENT STUDIO ART – DRAWING	ARTS	5A047X0	
ANIMAL SCIENCE I	CTE	AA212X0	
ANIMAL SCIENCE I HONORS	CTE	AA215X0	
ANIMAL SCIENCE II - FOOD ANIMAL HONORS	CTE	AA225X0	
ANIMAL SCIENCE II – COMPANION ANIMAL*	CTE	AA232X0	
ANIMAL SCIENCE II – COMPANION ANIMAL (HONORS)*	CTE	AA235X0	
EQUINE SCIENCE I*	CTE	AA312X0	

EQUINE SCIENCE II (HONORS)	CTE	AA325X0	
VETERINARY ASSISTING (HONORS)	CTE	AA415X0	
HORTICULTURE I	CTE	AP412X0	
HORTICULTURE I HONORS	CTE	AP415X0	
HORTICULTURE II*	CTE	AP422X0	
HORTICULTURE II (HONORS)*	CTE	AP425X0	
HORTICULTURE II – LANDSCAPING (HONORS)*	CTE	AP445X0	
AGRICULTURAL MECHANICS I	CTE	AS312X0	
AGRICULTURAL MECHANICS II (HONORS)*	CTE	AS325X0	
AGRICULTURAL MECHANICS II-SMALL ENGINES (HONORS)	CTE	AS335X0	
AGRISCIENCE APPLICATIONS	CTE	AU102X0	
SUSTAINABLE AGRICULTURE PRODUCTION I	CTE	AU212X0	
SUSTAINABLE AGRICULTURE PRODUCTION II	CTE	AU222X0	
ACCOUNTING I	CTE	BA102X0	
ACCOUNTING I (HONORS)	CTE	BA105X0	
ACCOUNTING II (HONORS)	CTE	BA205X0	
BUSINESS LAW*	CTE	BB302X0	
BUSINESS LAW (HONORS)*	CTE	BB305X0	
BUSINESS MANAGEMENT I	CTE	BB402X0	
BUSINESS MANAGEMENT II	CTE	BB422X0	
BUSINESS ESSENTIALS	CTE	BF102X0	
FINANCIAL PLANNING I	CTE	BF212X0	
FINANCIAL PLANNING II	CTE	BF222X0	
COMPTIA IT FUNDAMENTALS	CTE	BI122X0	
MICROSOFT WORD & POWERPOINT	CTE	BM102X0	
MICROSOFT WORD & POWERPOINT (HONORS)	CTE	BM105X0	
MICROSOFT EXCEL (HONORS)	CTE	BM205X0	
INTRODUCTION TO COMPUTER SCIENCE	CTE	BP012X0	
PYTHON PROGRAMMING I	CTE	BP142X0	
PYTHON PROGRAMMING II	CTE	BP162X0	
SAS BASE PROGRAMMING	CTE	BP202X0	
SAS BASE PROGRAMMING HONORS	CTE	BP205X0	
COMPUTER SCIENCE I	CTE	BP412X0	
COMPUTER SCIENCE II	CTE	BP422X0	

CAREER MANAGEMENT	CTE	CC452X0	
PROJECT MANAGEMENT I	CTE	CS112X0	
PROJECT MANAGEMENT I HONORS	CTE	CS115X0	
PROJECT MANAGEMENT II	CTE	CS122X0	
APPAREL AND TEXTILE PRODUCTION I	CTE	FA312X0	
APPAREL AND TEXTILE PRODUCTION II *	CTE	FA322X0	
APPAREL AND TEXTILE PRODUCTION II (HONORS)*	CTE	FA325X0	
PRINCIPLES OF FAMILY AND HUMAN SERVICES	CTE	FC112X0	
COUNSELING AND MENTAL HEALTH I	CTE	FC132X0	
COUNSELING AND MENTAL HEALTH II	CTE	FC142X0	
EARLY CHILDHOOD EDUCATION I	CTE	FE112X0	
EARLY CHILDHOOD EDUCATION II (HONORS)*	CTE	FE125X0	
TEACHING AS A PROFESSION I (HONORS)	CTE	FE215X0	
TEACHING AS A PROFESSION II (HONORS)	CTE	FE225X0	
TEACHING AS A PROFESSION II FIELD EXPERIENCE	CTE	FE236X0	
CHILD DEVELOPMENT	CTE	FE602X0	
CULINARY ARTS AND HOSPITALITY I	CTE	FH102X0	
CULINARY ARTS AND HOSPITALITY II APPLICATIONS	CTE	FH112X0	
CULINARY ARTS AND HOSPITALITY II INTERNSHIP	CTE	FH126X0	
CULINARY ARTS AND HOSPITALITY III	CTE	FH132X0	
CULINARY ARTS AND HOSPITALITY IV APPLICATIONS	CTE	FH142X0	
INTERIOR DESIGN FUNDAMENTALS	CTE	FI212X0	
INTERIOR DESIGN STUDIO	CTE	FI222X0	
INTERIOR DESIGN STUDIO (HONORS)	CTE	FI225X0	
INTERIOR DESIGN TECHNOLOGY HONORS	CTE	FI235X0	
FOOD AND NUTRITION I	CTE	FN412X0	
FOOD AND NUTRITION II	CTE	FN422X0	
FOOD AND NUTRITION II (HONORS)	CTE	FN425X0	
FOOD SCIENCE AND TECHNOLOGY (HONORS)*	CTE	FN435X0	
BIOMEDICAL TECHNOLOGY	CTE	HB112X0	
BIOMEDICAL TECHNOLOGY (HONORS)	CTE	HB115X0	
BIOMEDICAL INOVATIONS (HONORS)	CTE	HL215X0	
PHARMACY TECHNICIAN (HONORS)	CTE	HH325X0	
NURSING FUNDAMENTALS AND NON-PRACTICUM (HONORS)	CTE	HN425X0	

NURSING FUNDAMENTALS (HONORS)	CTE	HN435X0	
FOUNDATIONS OF HEALTH SCIENCE	CTE	HU102X0	
HEALTH SCIENCE I	CTE	HU402X0	
HEALTH SCIENCE I (HONORS)	CTE	HU405X0	
HEALTH SCIENCE II*	CTE	HU422X0	
HEALTH SCIENCE II (HONORS)*	CTE	HU425X0	
CONSTRUCTION CORE	CTE	IC002X0	
MASONRY I (HONORS)	CTE	IC115X0	
MASONRY II	CTE	IC122X0	
MASONRY II (HONORS)	CTE	IC125X0	
MASONRY III (HONORS)	CTE	IC135X0	
CARPENTRY I	CTE	IC212X0	
CARPENTRY II (HONORS)	CTE	IC225X0	
CARPENTRY III (HONORS)	CTE	IC235X0	
ELECTRICAL TRADES I	CTE	IC412X0	
ELECTRICAL TRADES II (HONORS)	CTE	IC425X0	
ELECTRICAL TRADES III (HONORS)	CTE	IC435X0	
DRAFTING I	CTE	IC612X0	
DRAFTING II - ARCHITECTURAL (HONORS)*	CTE	IC625X0	
DRAFTING III - ARCHITECTURAL (HONORS)	CTE	IC635X0	
CISCO NETWORK ENGINEERING TECHNOLOGY I (HONORS)	CTE	II115X0	
CISCO NETWORK ENGINEERING TECHNOLOGY II (Honors)*	CTE	II125X0	
COMPUTER ENGINEERING TECHNOLOGY I (HONORS)	CTE	II215X0	
COMPUTER ENGINEERING TECHNOLOGY II (HONORS)*	CTE	II225X0	
ADOBE VISUAL DESIGN I	CTE	II412X0	
ADOBE VISUAL DESIGN I (HONORS)	CTE	II415X0	
ADOBE VISUAL DESIGN II	CTE	II422X0	
ADOBE DIGITAL DESIGN I	CTE	II432X0	
ADOBE DIGITAL DESIGN I (HONORS)	CTE	II435X0	
ADOBE VIDEO DESIGN I	CTE	II452X0	
ADOBE VIDEO DESIGN I (HONORS)	CTE	II455X0	
ADVANCED MANUFACTURING I (HONORS)	CTE	IM115X0	
ADVANCED MANUFACTURING II (HONORS)	CTE	IM125X0	
WOODWORKING I	CTE	IM212X0	

WOODWORKING II	CTE	IM222X0	
WOODWORKING II (HONORS)	CTE	IM225X0	
PUBLIC SAFETY I	CTE	IP112X0	
PUBLIC SAFETY II HONORS	CTE	IP125X0	
EMERGENCY MEDICAL TECHNOLOGY I	CTE	IP212X0	
EMERGENCY MEDICAL TECHNOLOGY I (HONORS)	CTE	IP215X0	
EMERGENCY MEDICAL TECHNOLOGY II (HONORS)	CTE	IP225X0	
FIREFIGHTER TECHNOLOGY I	CTE	IP312X0	
FIREFIGHTER TECHNOLOGY II	CTE	IP322X0	
FIREFIGHTER TECHNOLOGY III HONORS	CTE	IP335X0	
LAW AND JUSTICE I	CTE	IP412X0	
LAW AND JUSTICE II (HONORS)	CTE	IP425X0	
EMERGENCY MANAGEMENT I	CTE	IP512X0	
EMERGENCY MANAGEMENT II (HONORS)	CTE	IP525X0	
AUTOMOTIVE SERVICES FUNDAMENTALS	CTE	IT112X0	
AUTOMOTIVE SERVICE I	CTE	IT162X0	
AUTOMOTIVE SERVICE II (HONORS)	CTE	IT175X0	
AUTOMOTIVE SERVICE III (HONORS)	CTE	IT185X0	
DRAFTING II - ENGINEERING (HONORS)*	CTE	IV225X0	
DRAFTING III – ENGINEERING (HONORS)	CTE	IV235X0	
MARKETING APPLICATIONS*	CTE	MA522X0	
MARKETING APPLICATIONS (HONORS)*	CTE	MA525X0	
MARKETING APPLICATIONS COOPERATIVE	CTE	MA526X0	
ENTREPRENEURSHIP I*	CTE	ME112X0	
ENTREPRENEURSHIP I (HONORS)*	CTE	ME115X0	
ENTREPRENEURSHIP II (HONORS)	CTE	ME125X0	
SPORT AND EVENT MARKETING I	CTE	MH312X0	
SPORT AND EVENT MARKETING II (HONORS)*	CTE	MH325X0	
HOSPITALITY AND TOURISM*	CTE	MH422X0	
HOSPITALITY AND TOURISM (HONORS)*	CTE	MH425X0	
FASHION MERCHANDISING	CTE	MI212X0	
MARKETING	CTE	MM512X0	
MARKETING COOPERATIVE	CTE	MM516X0	
TECHNOLOGY ENGINEERING AND DESIGN	CTE	TE112X0	

TECHNOLOGICAL DESIGN*	CTE	TE122X0	
TECHNOLOGICAL DESIGN (HONORS)*	CTE	TE125X0	
ENGINEERING DESIGN	CTE	TE132X0	
ENGINEERING DESIGN (HONORS)	CTE	TE135X0	
DIGITAL DESIGN & ANIMATION I	CTE	TS242X0	
DIGITAL DESIGN & ANIMATION II	CTE	TS252X0	
GAME ART DESIGN*	CTE	TS312X0	
GAME ART DESIGN (HONORS)*	CTE	TS315X0	
ADVANCED GAME ART DESIGN	CTE	TS322X0	
CTE ADVANCED STUDIES AGNR	CTE	WB012X0	
CTE ADVANCED STUDIES ARCH	CTE	WB052X0	
CTE ADVANCED STUDIES AAVC	CTE	WB092X0	
CTE ADVANCED STUDIES BMA	CTE	WB132X0	
CTE ADVANCED STUDIES EDUC	CTE	WB172X0	
CTE ADVANCED STUDIES FINA	CTE	WB212X0	
CTE ADVANCED STUDIES HLTH	CTE	WB292X0	
CTE ADVANCED STUDIES HOSP	CTE	WB332X0	
CTE ADVANCED STUDIES HUMA	CTE	WB372X0	
CTE ADVANCED STUDIES INFO	CTE	WB412X0	
CTE ADVANCED STUDIES LAW	CTE	WB452X0	
CTE ADVANCED STUDIES MANU	CTE	WB492X0	
CTE ADVANCED STUDIES MRKT	CTE	WB532X0	
CTE ADVANCED STUDIES STEM	CTE	WB572X0	
CTE ADVANCED STUDIES TRAN	CTE	WB612X0	
PHYSICAL EDUCATION	ECS	60292X0	
ENGLISH/LANGUAGE ARTS I	ECS	9310AX0	
ENGLISH/LANGUAGE ARTS II	ECS	9311AX0	
ENGLISH/LANGUAGE ARTS III	ECS	9312AX0	
ENGLISH/LANGUAGE ARTS IV	ECS	9313AX0	
FINANCIAL MANAGEMENT	ECS	9322AX0	
NC MATH I A	ECS	9324AX0	
NC MATH IB	ECS	9325AX0	
LIFE SCIENCE	ECS	9331AX0	
BIOLOGY A	ECS	9332AX0	

BIOLOGY B	ECS	9333AX0	
SOCIAL STUDIES I	ECS	9340AX0	
SOCIAL STUDIES II	ECS	9341AX0	
SOCIAL STUDIES III	ECS	9342AX0	
VOCATIONAL EXPERIENCE	ECS	9610AX0A	
SOCIALIZATION LEISURE SKILLS	ECS	9610AX0B	
SKILLS IN INDEPENDENT LIVING	ECS	9610AX0C	
WORK RELATED BEHAVIOR	ECS	9610AX0D	
EMPLOYMENT ADJUSTMENT	ECS	9610AX0E	
SPEECH I	ELA	10142X0	
SPEECH I (HONORS)	ELA	10145X0	
SPEECH II	ELA	10152X0	
SPEECH II (HONORS)	ELA	10155X0	
ADVANCED FORENSICS (HONORS)	ELA	10185X0A	
ADVANCED RESEARCH AND FORENSICS (HONORS)	ELA	10185X0B	
ARGUMENT THEORY AND PRACTICE (HONORS)	ELA	10185X0D	
ENGLISH I	ELA	10212X0	
ENGLISH I (HONORS)	ELA	10215X0	
ENGLISH II	ELA	10222X0	
ENGLISH II (HONORS)	ELA	10225X0	
ENGLISH III	ELA	10232X0	
ENGLISH III (HONORS)	ELA	10235X0	
ENGLISH IV	ELA	10242X0	
ENGLISH IV (HONORS)	ELA	10245X0	
AFRICAN AMERICAN LITERATURE	ELA	10252X0A	
CREATIVE WRITING I	ELA	10252X0D	
CULTURAL MEDIA LITERACY	ELA	10252X0E	
INTEGRATED READING	ELA	10252X0F	
CREATIVE WRITING II	ELA	10252X0H	
STRUCTURED WRITING	ELA	10252X0J	
SHAKESPEARE	ELA	10252X0L	
TRENDS AND MOVEMENTS IN YOUNG ADULT LITERATURE	ELA	10252X0M	
THE HUMAN EXPERIENCE (HONORS)	ELA	10255X0B	
LEADERSHIP IN MEDIA I (HONORS)	ELA	10255X0C	

CREATIVE WRITING I (HONORS)	ELA	10255X0D	
CULTURAL MEDIA LITERACY (HONORS)	ELA	10255X0E	
AFRICAN AMERICAN LITERATURE (HONORS)	ELA	10255X0J	
CREATIVE WRITING II (HONORS)	ELA	10255X0K	
SHAKESPEARE (HONORS)	ELA	10255X0L	
LEADERSHIP IN MEDIA II (HONORS)	ELA	10255X0M	
TWENTIETH CENTURY CLASSICS (HONORS)	ELA	10255X0R	
YEARBOOK I	ELA	10312X0A	
INTRODUCTION TO COMMUNICATIONS AND MASS MEDIA	ELA	10312X0B	
NEWSPAPER I	ELA	10312X0G	
NEWSPAPER II	ELA	10322X0B	
YEARBOOK II	ELA	10322X0H	
NEWSPAPER II (HONORS)	ELA	10325X0A	
YEARBOOK II (HONORS)	ELA	10325X0D	
NEWSPAPER III	ELA	10332X0	
YEARBOOK III	ELA	10332X0A	
NEWSPAPER III (HONORS)	ELA	10335X0	
YEARBOOK III (HONORS)	ELA	10335X0A	
ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION	ELA	1A007X0	
ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION	ELA	1A017X0	
ESL I (PART I)	ESL	10382X02	
ESL I (PART II)	ESL	10382X03	
ESL II (PART I)	ESL	10382X04	
ESL II (PART II)	ESL	10382X05	
ESL III (PART I)	ESL	10382X06	
ESL III (PART II)	ESL	10382X062	
ESL IV (PART I)	ESL	10382X07	
ESL IV (PART II)	ESL	10382X072	
ADVANCED LANGUAGE SUPPORT FOR ELLS (PART I)	ESL	10382X08	
ADVANCED LANGUAGE SUPPORT FOR ELLS (PART II)	ESL	10382X082	
COMMUNITY FIRST AID & SAFETY/EMERGENCY RESPONSE	HL	60092X0G	
PERSONAL HEALTH & FITNESS	HL	60092X0K	
WEIGHT TRAINING AND CONDITIONING I	HL	60292X0A	
WEIGHT TRAINING AND CONDITIONING II	HL	60292X0B	

LIFETIME SPORTS I	HL	60292X0D	
LIFETIME SPORTS II	HL	60292X0E	
ADVENTURE EDUCATION	HL	60292X0G	
TEAM SPORTS I	HL	60292X0J	
TEAM SPORTS II	HL	60292X0K	
WEIGHT TRAINING AND CONDITIONING III	HL	60292X0L	
PEPI I (PHYSICAL EDUCATION PUPIL INSTRUCTORS)	HL	60292X0T	
PEPI II	HL	60292X0U	
HEALTHFUL LIVING I	HL	60492X0	
HEALTHFUL LIVING I HONORS	HL	60495X0	
PHYSICAL FITNESS I	HL	60602X0	
SPORTS MEDICINE I	HL	60632X0	
SPORTS MEDICINE II	HL	60642X0	
SPORTS MEDICINE III HONORS	HL	60655X0	
SPORTS MEDICINE IV HONORS	HL	60665X0	
AJROTC/ HEALTHFUL LIVING I	HL	95012X0A	
NJROTC/HEALTHFUL LIVING I	HL	95012X0A	
AFJROTC/HEALTHFUL LIVING I A	HL	95012X0AA	
AFJROTC/HEALTHFUL LIVING I B	HL	95012X0BB	
AJROTC/ HEALTHFUL LIVING II	HL	95022X0B	
NJROTC /HEALTHFUL LIVING II	HL	95022X0B	
JROTC II	HL	95022X0BB	
LEADERSHIP, DRILL, AND CEREMONIES	HL	95022X0D	
LEADERSHIP, DRILL, AND CEREMONIES (HONORS)	HL	95025X0	
AFJROTC III	HL	95032X0A	
AJROTC III	HL	95032X0A	
NJROTC III	HL	95032X0A	
AFJROTC III (HONORS)	HL	95035X0A	
AJROTC III (HONORS)	HL	95035X0A	
NJROTC III (HONORS)	HL	95035X0A	
AFJROTC IV	HL	95042X0A	
AJROTC IV	HL	95042X0A	
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AFJROTC IV (HONORS)	HL	95045X0A	

AJROTC IV (HONORS)	HL	95045X0A	
NJROTC IV (HONORS)	HL	95045X0A	
INTRODUCTORY MATHEMATICS (ELECTIVE CREDIT)	MA	20202X0	
FOUNDATIONS OF NC MATH 1 (MATH 1A) (ELECTIVE CREDIT)	MA	20902X0	
FOUNDATIONS OF NC MATH 2 (ELECTIVE CREDIT)	MA	20912X0	
FOUNDATIONS OF NC MATH 3 (ELECTIVE CREDIT)	MA	20922X0	
NC MATH 1	MA	21092X0	
NC MATH 1B	MA	21092X0B	
NC MATH 2	MA	22092X0	
NC MATH 2 (HONORS)	MA	22095X0	
NC MATH 3	MA	23092X0	
NC MATH 3 (HONORS)	MA	23095X0	
DISCRETE MATH FOR COMPUTER SCIENCE HONORS	MA	24015X0	
PRECALCULUS (HONORS)	MA	24035X0	
NC MATH 4	MA	24092X0	
NC MATH 4 HONORS	MA	24095X0	
MATHEMATICAL ANALYSIS (HONORS)	MA	28005X0J	
MATH PLUS HONORS (ELECTIVE CREDIT)	MA	28005X0L	
ADVANCED PLACEMENT CALCULUS: AB	MA	2A007X0	
ADVANCED PLACEMENT CALCULUS: BC	MA	2A017X0	
ADVANCED PLACEMENT COMPUTER SCIENCE A	MA	2A027X0	
ADVANCED PLACEMENT STATISTICS	MA	2A037X0	
ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES	MISC	0A027X0	
ENGLISH I	OCS	9210BX0	
ENGLISH II	OCS	9211BX0	
ENGLISH III	OCS	9212BX0	
ENGLISH IV	OCS	9213BX0	
INTRODUCTION TO MATHEMATICS	OCS	9220BX0	
FINANCIAL MANAGEMENT	OCS	9222BX0	
NC MATH I	OCS	9225BX0	
APPLIED SCIENCE	OCS	9231BX0	
BIOLOGY	OCS	9232BX0	
EMPLOYMENT PREP I SCIENCE	OCS	9260BX0	
EMPLOYMENT PREP II CITIZENSHIP 1A	OCS	9261BX0	

EMPLOYMENT PREP II CITIZENSHIP 1B	OCS	9262BX0	
EMPLOYMENT PREP III CITIZENSHIP 2A	OCS	9263BX0	
EMPLOYMENT PREP III CITIZENSHIP 2B	OCS	9264BX0	
EMPLOYMENT PREP IV MATH	OCS	9265BX0	
AMERICAN HISTORY I	OCS	9247BX0	
AMERICAN HISTORY II	OCS	9248BX0	
AMERICAN HISTORY: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS	OCS	9249BX0	
FOUNDING PRINCIPLES OF THE USA AND NC: CIVIC LITERACY	OCS	9251BX0	
VOCATIONAL EXPERIENCE CAREER TRAINING	OCS	9610BX0A	
MATH IA (ELECTIVE CREDIT)	OCS	9610BX0E	
OTHER PROGRAM AREA INTERNSHIP (NON-CTE)	OTH	96102X0A	
ACADEMIC DECATHLON	OTH	96102X0B1	
SEMINAR	OTH	96102X0D	
FRESHMEN SEMINAR	OTH	96102X0E	
COMMUNITIES IN SCHOOLS I	OTH	96102X0G	
COMMUNITIES IN SCHOOLS II	OTH	96102X0H	
LIBRARY MEDIA STUDIES	OTH	96102X0HH	
INDEPENDENT STUDY SKILLS	OTH	96102X0W	
INTRO TO PRINCIPLES OF BIOLOGY	SC	30202X0A	
FORENSIC SCIENCE	SC	30202X0D	
RESEARCH METHODS AND TECHNIQUES	SC	30202X0G	
PRINCIPLES OF HUMAN INHERITANCE	SC	30202X0J	
INTRODUCTION TO METEOROLOGY	SC	30202X0L	
INTRODUCTION TO METEOROLOGY (HONORS)	SC	30205X0L	
FORENSIC SCIENCE (HONORS)	SC	30205X0A	
PRINCIPLES OF HUMAN INHERITANCE (HONORS)	SC	30205X0D	
RESEARCH METHODS AND TECHNIQUES (HONORS)	SC	30205X0E	
BIOLOGY	SC	33202X0	
BIOLOGY (HONORS)	SC	33205X0	
ANATOMY AND PHYSIOLOGY	SC	33302X0	
ANATOMY AND PHYSIOLOGY (HONORS)	SC	33305X0	
PHYSICAL SCIENCE	SC	34102X0	
CHEMISTRY	SC	34202X0	
CHEMISTRY (HONORS)	SC	34205X0	

PHYSICS	SC	34302X0	
PHYSICS (HONORS)	SC	34305X0	
EARTH SCIENCE/ENVIRONMENTAL SCIENCE	SC	35012X0	
EARTH SCIENCE/ENVIRONMENTAL SCIENCE (HONORS)	SC	35015X0	
MARINE ECOLOGY	SC	35352X0A	
MARINE ECOLOGY (HONORS)	SC	35355X0	
ASTRONOMY	SC	35402X0	
ASTRONOMY HONORS	SC	35405X0	
ADVANCED PLACEMENT BIOLOGY	SC	3A007X0	
ADVANCED PLACEMENT CHEMISTRY	SC	3A017X0	
ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	SC	3A027X0	
ADVANCED PLACEMENT PHYSICS C: ELECTRICITY AND MAGNETISM	SC	3A037X0	
ADVANCED PLACEMENT PHYSICS C: MECHANICS	SC	3A047X0	
ADVANCED PLACEMENT PHYSICS I-ALGEBRA BASED	SC	3A057X0	
ADVANCED PLACEMENT PHYSICS II –ALGEBRA BASED	SC	3A067X0	
CURRICULUM ASSISTANCE	SPED	96102X0K	
CURRICULUM ASSISTANCE (9)	SPED	96102X0L	
CURRICULUM ASSISTANCE (10)	SPED	96102X0M	
INTRODUCTION TO COMMUNICATION SKILLS (READING)	SPED	96102X0P	
CURRICULUM ASSISTANCE (11)	SPED	96102X0Q	
CURRICULUM ASSISTANCE (12)	SPED	96102X0R	
HIGH SCHOOL READING	SPED	96102X0SP	
CURRICULUM ASSISTANCE RESOURCE HI	SPED	96102X0T	
CURRICULUM ASSISTANCE RESOURCE VI	SPED	96102X0U	
INDEPENDENT STUDY SKILLS	SPED	96102X0W	
AMERICAN HISTORY: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS	SS	42092X0	
AMERICAN HISTORY: FOUNDING PRINCIPLES, CIVICS AND ECONOMICS (HONORS)	SS	42095X0	
WORLD HISTORY	SS	43032X0	
WORLD HISTORY (HONORS)	SS	43035X0	
AMERICAN HISTORY I: THE FOUNDING PRINCIPLES	SS	43042X0	
AMERICAN HISTORY I: THE FOUNDING PRINCIPLES (HONORS)	SS	43045X0	
AMERICAN HISTORY II	SS	43052X0	
AMERICAN HISTORY II (HONORS)	SS	43055X0	

AMERICAN HISTORY	SS	43112X0	
AMERICAN HISTORY (HONORS)	SS	43115X0	
FOUNDING PRINCIPLES OF THE USA AND NC: CIVIC LITERACY	SS	43182X0	
FOUNDING PRINCIPLES OF THE USA AND NC: CIVIC LITERACY (HONORS)	SS	43185X0	
ECONOMICS AND PERSONAL FINANCE	SS	43192X0	
ECONOMICS AND PERSONAL FINANCE HONORS	SS	43195X0	
SOCIOLOGY (HONORS)	SS	44005X0	
PSYCHOLOGY (HONORS)	SS	44035X0	
21ST CENTURY GLOBAL GEOGRAPHY	SS	45052X0	
21ST CENTURY GLOBAL GEOGRAPHY HONORS	SS	45055X0	
AFRICAN AMERICAN STUDIES	SS	46012X0	
AFRICAN AMERICAN STUDIES (HONORS)	SS	46015X0	
RELIGIONS IN WORLD CULTURES/THE BIBLE IN HISTORY	SS	48002X0A	
SOCIOLOGY/ PSYCHOLOGY	SS	48002X0B	
LESSONS OF THE VIETNAM WAR/RECENT INTERNATIONAL RELATIONS	SS	48002X0D	
CONVERSATIONS IN DIVERSITY	SS	48002X0E	
CONTEMPORARY LAW AND JUSTICE	SS	48002X0J	
HOLOCAUST AND GENOCIDE IN WORLD STUDIES (HONORS)	SS	48005X0A	
LESSONS OF THE VIETNAM WAR/RECENT INTERNATIONAL RELATIONS (HONORS)	SS	48005X0D	
CONVERSATIONS IN DIVERSITY (HONORS)	SS	48005X0E	
RELIGIONS IN WORLD CULTURES/THE BIBLE IN HISTORY (HN)	SS	48005X0G	
CONTEMPORARY LAW AND JUSTICE (HONORS)	SS	48005X0J	
ADVANCED PLACEMENT COMPARATIVE GOVERNMENT & POLITICS	SS	4A007X0	
ADVANCED PLACEMENT EUROPEAN HISTORY	SS	4A017X0	
ADVANCED PLACEMENT HUMAN GEOGRAPHY	SS	4A027X0	
ADVANCED PLACEMENT MACROECONOMICS	SS	4A037X0	
ADVANCED PLACEMENT MICROECONOMICS	SS	4A047X0	
ADVANCED PLACEMENT PSYCHOLOGY	SS	4A057X0	
ADVANCED PLACEMENT US GOVERNMENT AND POLITICS	SS	4A067X0	
ADVANCED PLACEMENT UNITED STATES HISTORY	SS	4A077X0	
ADVANCED PLACEMENT WORLD HISTORY: MODERN	SS	4A097X0	
FRENCH I	WL	11012X0	
FRENCH II	WL	11022X0	
FRENCH III (HONORS)	WL	11035X0	

FRENCH IV (HONORS)	**WL**	**11045X0**	
FRENCH V (HONORS)	**WL**	**11055X0**	
SPANISH I	**WL**	**11412X0**	
SPANISH II	**WL**	**11422X0**	
SPANISH III (HONORS)	**WL**	**11435X0**	
SPANISH IV (HONORS)	**WL**	**11445X0**	
SPANISH V (HONORS)	**WL**	**11455X0**	
SPANISH HERITAGE I	**WL**	**11492X0**	
SPANISH HERITAGE II HONORS	**WL**	**11505X0**	
GERMAN I	**WL**	**11612X0**	
GERMAN II	**WL**	**11622X0**	
GERMAN III (HONORS)	**WL**	**11635X0**	
GERMAN IV (HONORS)	**WL**	**11645X0**	
GERMAN V (HONORS)	**WL**	**11655X0**	
LATIN I	**WL**	**12412X0**	
LATIN II	**WL**	**12422X0**	
LATIN III (HONORS)	**WL**	**12435X0**	
LATIN IV (HONORS)	**WL**	**12445X0**	
LATIN V (HONORS)	**WL**	**12455X0**	
ADVANCED PLACEMENT FRENCH LANGUAGE & CULTURE	**WL**	**1A037X0**	
ADVANCED PLACEMENT GERMAN LANGUAGE AND CULTURE	**WL**	**1A047X0**	
ADVANCED PLACEMENT LATIN	**WL**	**1A077X0**	
ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE	**WL**	**1A087X0**	
ADVANCED PLACEMENT SPANISH LITERATURE & CULTURE	**WL**	**1A097X0**	

*indicates CTE Concentrator

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