

2026
2027













HIGH SCHOOL











COURSE SELECTION GUIDE

















CUMBERLAND
COUNTY SCHOOLS









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Information

FROM THE OFFICE OF
THE SUPERINTENDENT

Letter from the Superintendent

Dear Students, Parents and Guardians,

Choosing courses is more than picking classes. It's one of the first big steps in shaping who you want to become and what you want your future to look like. In Cumberland County Schools, we're committed to making sure every student has access to engaging learning that prepares them to be collaborative, competitive and successful in our global world.

Today's high school experience offers more pathways than ever before. Schools of choice, college courses, distance learning and online options can help students explore interests, connect learning to career goals and create a plan that fits their strengths and aspirations.

That's why planning matters. This 2026-2027 High School Course Selection Guide is designed to support you as you work with your school counselor to develop and update your four-year plan. I encourage each student to take courses that stretch thinking and open doors. The choices made now can create momentum for college, the military, the workforce or other opportunities after graduation.

As you prepare to register, use these steps to stay on track:

- Read the guide carefully.
- Identify courses that align with your goals.
- Talk through options with parents and guardians.
- Consider taking an online course if you have not yet done so.
- Schedule time with your school counselor to review your four-year plan.
- Confirm graduation requirements are met before making changes to a proposed schedule.

With a clear plan and a commitment to do your best, this school year can be both meaningful and rewarding. I'm proud to serve as your superintendent, and I'm excited to see what you accomplish.

Sincerely,



Dr. Eric C. Bracy
Superintendent
Cumberland County Schools

How to Use This Guide

1. Read all information in this Course Selection Guide carefully.
2. Study the Cumberland County High School Graduation Requirements Chart. Look at the courses required for graduation and consider the elective course options each year.
3. Choose courses that will prepare you for your intended career and/or college major. Career and College planning materials are available in the counseling office, media center, NC Works Career Center, Cumberland County Public Library, and the FTCC Career Center.
4. Discuss your choices with your parents using the Registration Worksheet/Four-year Academic Plan.
5. Have your parents sign the completed Registration Worksheet/Four-year Academic Plan.
6. Review your completed Registration Worksheet/Four-year Academic Plan with your counselor.

Schedule Change Statement

The North Carolina Graduation and Future Ready Core Requirements, mandate that you must complete specific courses in order to graduate with a diploma. To avoid problems caused by schedule changes, you should complete and follow your Registration Worksheet/Four-year Academic plan and meet with your school counselor to review your graduation progress.

Important Policy Information

The North Carolina Graduation and Future Ready Core Requirements, mandate that you must complete specific courses in order to graduate with a diploma. To avoid problems caused by schedule changes, you should complete and follow your Registration Worksheet/Four-year Academic plan and meet with your school counselor to review your graduation progress.

Promotion

Details about local promotion standards may be found in Cumberland County Schools Board Policy 3420: Student Promotion and Accountability.

Beginning with the 2003-2004 school year:
Students who attend a high school in which a maximum of eight (8) credits can be earned during the school year (4x4 Schedule).

- For promotion from grade nine (9) to grade ten (10), each student must pass a minimum of six (6) units of course credits. One (1) of these units must be in English.
- For promotion from grade ten (10) to grade eleven (11), each student must pass a minimum of thirteen (13) units of course credit in grades nine (9), ten (10). Two (2) of these must be English.
- For promotion from grade eleven (11) to grade twelve (12), each student must pass a minimum of twenty (20) units of course credit in grades nine (9), ten (10), and eleven (11) and be in a position to graduate at the end of the regular school year. Three (3) of these must be in English.

Calculating Credits for Transfers into Cumberland County Schools - 3460-R1

1. These guidelines are to be applied in conjunction with Board Policy 3460 – Graduation Requirements.
2. Credits required for graduation will be prorated for transfer students, including students transferring from out-of-state, home schools, private, online, and NC LEAs where students cannot earn 8 credits in 1 year.
3. Credits required for graduation will be calculated as follows:
4. Overall potential units of credit x 1 (4-year total: 9th – 12th grade) = number of credits required minus
    - Example Number of Credits required: 9th = 6, 10th = 6, 11th = 8, 12th = 8
        - 28 total – 4 = 24 to graduate.
        - Promotion credit requirements would adjust based on the following:
            - 12th = Graduation credits minus 8 (i.e.,24-8 = 16)
            - 11th = Graduation Credits minus 15 (i.e., 24-15 = 9)
            - 10th = Graduation Credits minus 22 (i.e., 24 – 22 = 2)
    - Students must complete local and state curriculum graduation requirements.
    - The principal or designee of the receiving school is responsible for evaluating the transfer student's academic progress; courses taken at the former school; availability of courses at the receiving school; extenuating circumstances; and any other relevant information before granting credits and assigning classes.
    - The receiving principal may recognize credits, combine similar credits, and use his/her authority to "grade and classify" to facilitate a smooth transition.

Attendance

The State Board of Education requires that students be enrolled in public schools for at least 5.5 hours of instruction daily or 27.5 hours weekly. Students will be assigned to a full instructional day unless they receive appropriate approvals.

Course for Credit

A credit course, one for which credit toward high school graduation is awarded and which qualifies as part of the instructional day:

- must consist of a minimum of 150 clock hours of instruction in a traditional schedule or
- must consist of a minimum of 135 clock hours of instruction in a block schedule;
- must be directed by a teacher.

One (1) unit of credit will be awarded for the course upon successful completion.

A course that consists of 300 clock hours of instruction in a traditional schedule or 270 clock hours of instruction in a block schedule will award two (2) units of credit upon successful completion. Credit will be awarded only at the completion of a two-credit hour course. Two-credit hour courses will not award a unit of credit after completion of only half of the course.

Grading and Weighting of Grades

The North Carolina State Board of Education (Policy GRAD-009) determines how courses are weighted . Effective with the 2015-2016 school year, high school grades 9-12 shall use one grading scale. The conversion of grades to quality points is standardized.

Grade point average calculations are based on standardization of academic course levels, weighting of course grades, and grading scales. Effective with the freshman class of 2015-16, the weighting for Honors courses shall be one-half (.5) of a quality point. Effective with the freshman class of 2015-16, the weight for Advanced Placement/International Baccalaureate (AP/IB) and specified High School Connections courses shall be one (1) quality point. The conversion of grade to quality points is standardized.

Grades and the corresponding number of quality points are shown below:

QUALITY POINTS EARNED			
Grade	Standard Courses	Honors Courses	AP/IB/DE Courses
A (90-100)	4	4.5	5
B (89-80)	3	3.5	4
C (79-70)	2	2.5	3
D (60-69)	1	1.5	2
F (59 and below)	0	0	0

WP = 0.0	P = 0.0	AUD = 0.0	INC = 0.0	FF = 0.0

HB259 Request for Early Graduation

Some students may be eligible to graduate after three years in high school provided they have met the state of North Carolina's minimum graduation requirements. Students may contact their school counselor to discuss eligibility, a possible three-year graduation plan, and the pros and cons of the decision.

Advanced Courses

Advanced Courses in Mathematics Legislation

The General Assembly of North Carolina enacts:
SECTION 1. G.S. 115C-81.36 reads as rewritten: "§ 115C-81.36. (B)
Advanced courses in mathematics.

The Advanced Math Course (AMC) legislation strengthens NC's focus on broadening access and opportunities by ensuring that all impacted students receive rigorous, academically appropriate instruction in mathematics and that students are not overlooked for advanced learning opportunities in mathematics.

When advanced courses are offered in mathematics, mathematics in grades six and higher, any student scoring a level five at the highest level on the end-of-grade or end-of-course test for the mathematics course in which the student was most recently enrolled shall be enrolled in the advanced course for the next mathematics course in which the student is enrolled.

No student who qualifies under this subsection shall be removed from the advanced or high school mathematics course in which the student is enrolled unless a parent or guardian of the student provides written consent for the student to be excluded or removed. The overall purpose of Honors courses is to provide a more rigorous curriculum in which instruction is expanded and special activities focus appropriately on both depth and breadth of content. Instructors place additional emphasis on the application of content within each course and across related disciplines. Honors courses require advanced reading lists, advanced writing assignments, and independent study/projects. Additional activities may include follow-up assignments on enrichment activities and a portfolio collection of work. You may enroll in an Honors course if you possess the appropriate prerequisite courses and choose to participate in this more rigorous course of study.

Honors Courses

The overall purpose of Honors courses is to provide a more rigorous curriculum in which instruction is expanded and special activities focus appropriately on both depth and breadth of content. Instructors place additional emphasis on the application of content within each course and across related disciplines. Honors courses require advanced reading lists, advanced writing assignments, and independent study/projects. Additional activities may include follow-up assignments on enrichment activities and a portfolio collection of work. You may enroll in an Honors course if you possess the appropriate prerequisite courses and choose to participate in this more rigorous course of study.

Advanced Placement Courses

Advanced Placement courses expose high school students to college-level curriculum. Students may study challenging subjects of interest in a variety of areas: Arts, English, World Language, Mathematics, Science, and Social Studies. In order to enroll in AP coursework, students must possess appropriate prerequisite courses and choose to participate in this advanced course of study.

AP exams are administered in the spring of each school year. Colleges and universities may grant credit, placement, or both based on scores on the exams. AP courses require more rigorous and expansive reading, writing, and research than Honors or standard-level courses.

Credit By Demonstrated Mastery (CDM)

Every student deserves a high-quality education, and the Credit by Demonstrated Mastery policy ensures that every student has the opportunity for the most rigorous and appropriate course of study based on academic progress and need. This policy emerged from shared views of the North Carolina General Assembly and the North Carolina State Board of Education. The General Assembly believes that "public schools should challenge all students to aim for academic excellence" (Article 9B), while the State Board of Education's mission, adopted in 2006, is that "every public-school student will graduate from high school, globally competitive for work and postsecondary education and prepared for life in the 21st century." Achieving this requires that students are able to progress and advance in coursework when they are ready, without the traditional barrier of seat time. A student able to demonstrate a deep understanding of the knowledge and skills required of a particular course will earn credit for that course so that he/she may spend their time more effectively in another course where they will learn and experience new content and material. The State Board of Education has stated, "A great public education system is one that is ambitious and prepares all students for postsecondary education, careers, citizenship, and lifelong learning. It sets high standards and fosters the critical thinking and other skills needed in today's global economy." By providing the opportunity to earn CDM, uniquely qualified students who possess mastery knowledge of content are able to personalize their learning and use their education time in courses that provide new challenges and content. For more information visit NCDPI Credit by Demonstrated Mastery.

Online Options

Cumberland Academy 6 – 12

Cumberland Academy 6-12 is a premier, fully virtual school within CCS. The fully functioning virtual school is designed to provide students and their families with an alternative learning option using online, engaging, and interactive course content. Students take the same curricular courses as the district's traditional schools. The program emphasizes communication, collaboration, critical thinking, and creativity and is designed for all motivated students who maintain high standards in academics and attendance. The Virtual Academy encourages flexibility; students have asynchronous learning time embedded in their instructional time. The school values engagement through community service projects, family engagement activities, and extracurricular activities throughout the year. The school's mission is to provide a safe, positive, rigorous virtual learning environment.

Cumberland Academy 6-12 students may participate in athletics at their home schools.

North Carolina Virtual Public School (NCVPS)

The NCVPS, established by the North Carolina State Board of Education, is an online school community serving middle and high school students throughout the state of North Carolina. NCVPS is not degree granting, but instead transfers credit to the local school of record for placement on the student transcript upon successful course completion. Students must go to their local high school of record for any state mandated end-of-course testing and/or North Carolina final exams. For more information visit www.ncvps.org and contact your school counseling office.

Teleconferencing

Teleconferencing was established in an effort to offer students the opportunity to take Advanced Placement courses and unique electives that may not be offered within the schools they attend. Two-way teleconferencing provides students with the opportunity to take coursework in a technology-rich environment while developing critical 21st century skills. To provide maximum learning opportunity and a greater degree of individualized instruction, the per-class student capacity is limited to 20. (Enrollment is based on a first come, first serve basis.)

Each student will utilize a laptop computer, provided by the school system, and teleconferencing software to connect to their teachers. Courses may be synchronous, during the regular school day or asynchronous, taken as a 5th period class. Lesson materials are archived to give students access for review if they are absent from class or if they desire reinforcement. Course offerings are determined by the number of students which enroll in the course. Students must enroll in teleconferencing courses through their school counselor. Counselors will have a list of the projected course offerings for the upcoming school year. If you have questions regarding teleconferencing, please contact the office of K-12 Curriculum & Instruction at (910) 678-2420.

Career Exploration Made Easy

MajorClarity is a career exploration platform that links academic learning to post-secondary preparation through a highly personalized, student-driven approach to career planning that reflects the unique strengths, abilities, interests, and long-term goals of each child. Interactive career path test-drives mix engaging expert field interviews with realistic workplace scenarios and practice activities that spark student interest and deepen their understanding of career pathways, job growth projections, and employment trends. MajorClarity offers a wide range of productivity, research, and academic and career planning tools to keep students organized and invested while strengthening communications between students, parents, educators, and district stakeholders.

What are the Benefits?

- ☐ Best fit career matching that helps students identify compatible career paths based on their preferences, interests, and learning styles.
- ☐ User-friendly, pathway-aligned course selection tools allow students to make the most out of their academic experience.
- ☐ Select coursework opportunities that best align to the unique strengths, interests, and long-term goals of the student.
- ☐ Relevant lesson plans promote college and workplace readiness while exposing students to a wide range of industries and occupations.

How Do I Get Started?

- ☐ Meet with your school counselor to help navigate the platform.
- ☐ Use your CCS Google Mail username and password to log into your account at: platform.majorclarity.com.
- ☐ Follow the prompts and answer the questions to determine your top traits and recommended test drives.
- ☐ Select your pathway to begin building your Career Development plan that aligns with your post-secondary interests.
- ☐ Use your account to help you complete the Registration Worksheet/Four-Year Academic Plan (ACP)

Career Development Plans (CDP)

- ☐ North Carolina Legislation requires that all middle and high school students complete a Career Development Plan.
- ⬜ The CDP is a structured approach that will guide students toward their post-graduation goals, ensuring they take proactive steps in their education.
- ⬜ Students must have a career development plan created by the end of eighth grade.
- ⬜ Students must review their career development plan by the end of tenth grade to be promoted to the 11th grade.
- ☐ By fully completing the My Portfolio section of MajorClarity, students will have completed the CDP requirement.

9th Grade	Students review their career development plans and add all clubs and activities to them while continuing to explore their selected career pathway.
10th Grade	Students learn about transferable and soft skills then work on creating their digital resumes and begin post-secondary exploration. **Additionally, students who begin ninth grade during the 2025-2026 school year will be required to revise their Career Development Plans as part of their requirements to be promoted to the 11th grade per G.S. 115C-158.10.**
11th Grade	Students will review and expand career goals and work on creating a favorite list for post-secondary choices and scholarships.
12th Grade	Students will begin the application tracker to assist with college applications and complete at least one Micro-credentials to boost their resume.
After Graduation	Students can still access all of their work and resources after graduating. They simply need to connect their account to a secondary email outside of the student's previous school email.

Graduation Requirements

High School Graduation Requirements: Future Ready Core

Content Area	For Ninth Graders Entering in 2021 - 2024	For Ninth Graders Entering in 2025 and Beyond
English 4 Credits	I, II, III, IV	I, II, III, IV
Mathematics 4 Credits	NC Math I, NC Math II, NC Math III, and a 4th math course to be aligned with the student's post-high school plans. * *A student, in rare instances, may be able to take an alternative math course sequence as outlined under the State Board of Education Policy. Please see your counselor for more details.*	NC Math I, NC Math II, NC Math III, and a 4th math course to be aligned with the student's post-high school plans. * *A student, in rare instances, may be able to take an alternative math course sequence as outlined under the State Board of Education Policy. Please see your counselor for more details.*
Science 3 Credits	Earth Environmental Science, Biology, A physical science course (Physical Science, Chemistry, or Physics)	Earth Environmental Science, Biology, A physical science course (Physical Science, Chemistry, or Physics)
Social Studies 4 Credits	**For students who begin high school in 2021-2022 and beyond:** • World History **OR** AP World History • American History **OR** AP US History • Founding Principles of the United States of America and North Carolina: Civic Literacy **OR** AP US Government • Economics and Personal Finance	**For students who begin high school in 2021-2022 and beyond:** • World History **OR** AP World History • American History **OR** AP US History • Founding Principles of the United States of America and North Carolina: Civic Literacy **OR** AP US Government • Economics and Personal Finance
World Language	**Not required for high school graduation.** A two-credit minimum of the same foreign language is highly suggested for admission to a university in the UNC system.	**Not required for high school graduation.** A two-credit minimum of the same foreign language is highly suggested for admission to a university in the UNC system.
Health/Physical Education 1 Credit	Health/Physical Education & CPR**	Health/Physical Education & CPR**
Electives or other requirements 6 Credits Required	**2 Elective credits in any combination of:** • Career and Technical Education (CTE) • Arts Education • World Languages **4 Elective credits from the following: (four-course concentration recommended):** • Career and Technical Education (CTE) • ROTC • Arts Education (e.g., dance, music, theater arts, visual arts) • Any other subject area or cross-disciplinary courses (e.g., mathematics, science, social studies, English, and dual enrollment courses)	**2 Elective credits in any combination of:** • Career and Technical Education (CTE) • Arts Education • World Languages **4 Elective credits from the following: (four-course concentration recommended):** • Career and Technical Education (CTE) • ROTC • Arts Education (e.g., dance, music, theater arts, visual arts) • Any other subject area or cross-disciplinary courses (e.g., mathematics, science, social studies, English, and dual enrollment courses) **Arts Education Course Requirement:** • **Students entering Grade 9 for the first time in the 2025-26** school year shall have completed at least one arts education course (standard course of study) in grades 6-12. • Students who transfer into a public school unit beginning in the ninth grade or later may be exempt if such a requirement would prevent a student from graduating with the graduation cohort to which the student was assigned when transferring. **Computer Science Requirement:** • Students entering Grade 9 in 2026-27 will have an additional requirement to take a credit in Computer Science. Electives will be reduced from 6 to 5.
Total	**28 Credits**	**28 Credits**

* Students seeking to complete the minimum application requirements for UNC universities must complete four mathematics courses, including an advanced fourth math course with Math III as a prerequisite.

** CPR requirement is a result of legislation HB 837.

Note: Graduation requirements for transfer students will be four (4) less than the maximum number of credits the student could have earned over four (4) regular high school years. Still must meet the minimum state requirements of 22.

Exceptional Children's Program Occupational Course of Study Graduation Requirements

Cumberland County High School Exceptional Children's Program Occupational Course of Study (OCS) Graduation Requirements			
Content Area	**For some Ninth Graders with Cognitive Disabilities 2020-2021 OCS Requirements** (Selected IEP students excluded from EOC Proficiency Level requirements)	**For some Ninth Graders with Cognitive Disabilities 2021-2022-> 2024-2025 OCS Requirements** (Selected IEP students excluded from EOC Proficiency Level requirements)	**For some Ninth Graders with Cognitive Disabilities 2025-2026-> Beyond OCS Requirements** (Selected IEP students excluded from EOC Proficiency Level requirements)
English	**4 Credits** OCS English I, II, III, IV	**4 Credits** OCS English I, II, III, IV	**4 Credits** OCS English I, II, III, IV
Mathematics	**3 Credits** • OCS Introductory Mathematics I • OCS Mathematics I • OCS Financial Management	**4 Credits** • OCS Introductory Mathematics I • OCS Mathematics I • OCS Financial Management • OCS Employment Preparation IV: Math (to include 150 work hours)	**4 Credits** • OCS Introductory Mathematics I • OCS Mathematics I • OCS Financial Management • OCS Employment Preparation IV: Math (to include 150 work hours)
Science	**2 Credits** • OCS Applied Science • OCS Biology	**3 Credits** • OCS Applied Science • OCS Biology • OCS Employment Preparation I: Science (to include 150 work hours)	**3 Credits** • Earth Science or Physical Science • OCS Biology • OCS Employment Preparation I: Science (to include 150 work hours)
Social Studies	**2 Credits** **2017-18-2019-20** • OCS American History I, OCS American • History II or OCS American History • OCS Civics & Economics or OCS Civics Literacy **2020-21** • OCS Civics and Economics or OCS Civics Literacy • OCS Economics and Personal Finance	**4 Credits** • Founding Principles of the United States of America and North Carolina: Civic Literacy • Economic and Personal Finance • Employment Preparation II: Citizenship IA (to include 75 work hours) • Employment Preparation II: Citizenship IB (to include 75 work hours)	**4 Credits** • Founding Principles of the United States of America and North Carolina: Civic Literacy • Economic and Personal Finance • Employment Preparation II: Citizenship IA (to include 75 work hours) • Employment Preparation II: Citizenship IB (to include 75 work hours)
World Language	**Not required**	**Not required**	**Not required**
Health / Physical Education	**1 Credit** Health/Physical Education & CPR*	**1 Credit** Health/Physical Education & CPR*	**1 Credit** Health/Physical Education & CPR*
Electives or other requirements	**12 Credits Required.** • 6 Occupational Prep credits o Occ, Prep I or Employment Prep 1:Science o Occ, Prep II or Employment Prep II: Citizenship 1A and Employment Prep II: Citizenship 1B o Occ, Prep III or Employment Prep III: Citizenship 2A and Employment Prep III: Citizenship 2B. o Occ. Prep IV or Employment Prep IV: Math • 4 CTE credits(can repeat course already passed) • 2 Additional Elective Credits	**6 Credits Required.** • 2 Additional Employment Preparation Education credits, which shall be: o Employment Preparation III: Citizenship IIA (to include 75 work hours) and, o Employment Preparation III: Citizenship IIB (to include 75 work hours) • 4 CTE credits • Career Portfolio • Completion of the student's IEP objectives	**6 Credits Required.** • 2 Additional Employment Preparation Education credits, which shall be: o Employment Preparation III: Citizenship IIA (to include 75 work hours) and, o Employment Preparation III: Citizenship IIB (to include 75 work hours) • 4 CTE credits • Career Portfolio • Completion of the student's IEP objectives
Work Hours	**The 600 total work hours included in Employment Preparation I, II, III, IV shall be as follows:** • 150 hours of school-based training with work activities and experiences that align with student's post school goals, and • 225 hours of community-based training, and 225 hours of paid employment or 225 hours of unpaid vocational training, unpaid internship, paid employment at community rehabilitation facilities, and volunteer and/or community services hours.		
Total	**24 Credits** *Plus any local requirements*	**22 state credits, 24 for CCS students**	

- Completion of 300 hours of school-based training, 240 hours of community-based training, and 360 hours of paid employment. Footnote for OCS: Beginning in the second semester of the 2013 -2014 school year, OCS graduate standards will total 24 credits.

* CPR requirement is a result of legislation HB 837.

Note: Graduation requirements for transfer students will be four (4) less than the maximum number of credits the student could have earned over four (4) regular high school years. Still must meet the state minimum requirements of 22.

Registration

Registration Worksheet: Four-year Academic Plan

NAME:	LAST	FIRST	MIDDLE	IDENTIFICATION NUMBER

COURSE PLANNING CHART

Grade 9		Grade 10		Grade 11		Grade 12	
English		English		English		English	
Math		Math		Math		Math	
Science		Science		Science		Science	
Social Studies		Social Studies		Social Studies		Social Studies	
Health/PE		Elective		Elective		Elective	
Elective		Elective		Elective		Elective	
Elective		Elective		Elective		Elective	
Elective		Elective		Elective		Elective	
Total Units		**Total Units**		**Total Units**		**Total Units**	

ADDITIONAL COURSES
(8th Grade (High School Credit Course), Summer School, NCVPS, and High School Connections)

Total Units		**Total Units**		**Total Units**		**Total Units**	

Graduation Requirements Checklist

Student Name: ID#:

ENGLISH	☐ English I	☐ English II	☐ English III OR ☐ AP Language	☐ English IV OR ☐ AP Literature
MATHEMATICS	☐ NC Math I	☐ NC Math II	☐ NC Math III	☐ 4th Math Course *(Aligned with the student's post-high school plans)*
SCIENCE (3 Credits)	☐ Earth / Environmental Science OR ☐ AP Environmental	☐ A Physical Science Course (Physical Science, Chemistry, or Physics)	☐ Biology	
SOCIAL STUDIES	☐ World History	☐ American History OR ☐ AP US History	☐ Founding Principles of the United States of America and North Carolina: Civic Literacy OR ☐ AP US Gov't	☐ Economics & Personal Finance
HEALTH & PE	☐ Health/PE (1 Credit) & CPR (0 Credit/pass an approved skills test)			
WORLD LANGUAGE	Not required for graduation. A two-credit minimum of the same foreign language is HIGHLY suggested for admission to a university in the UNC system. ☐ Foreign Language Level 1 ☐ Foreign Language Level 2			
ELECTIVES (6 required Credits)	**2 Required Elective credits:** ☐ Arts Education ☐ Career and Technical Education (CTE) ☐ World Languages Note: For clarification, possible elective combinations may include 2 World Language credits; or 1 CTE credit and 1 Arts Education credit; or 2 CTE credits; or 1 Arts Education credit and 1 World Language credit; or other combinations from a, b, and c. **1 Required Computer Science Elective:** • Students entering Grade 9 in 2026-27 will have an additional requirement to take a credit in Computer Science. ☐ Computer Science Credit	**4 Elective credits** (four credit concentration) (strongly recommended) from one of the following: ☐ Career and Technical Education (CTE) ☐ Arts Education ☐ JROTC ☐ World Language ☐ Any other subject area or cross-disciplinary courses (e.g., mathematics, science, social studies, English, and dual enrollment courses)	**NOTE 1:** Students entering Grade 9 for the first time in 2025-26 shall have at least one arts education course (standard course of study) in grades 6-12. • Students who transfer into a public school unit beginning in the ninth grade or later may be exempt if such a requirement would prevent a student from graduating with the graduation cohort to which the student was assigned when transferring.	

Reviewed On _____

Date Student Signature Parent Signature

North Carolina Academic Scholars and Diploma Endorsements

[High School Endorsements - NCDPI]

North Carolina Academic Scholars	College/UNC Endorsement	College Endorsement
The student shall earn an unweighted grade point average of at least 3.50.	Students shall earn a weighted grade point average of at least 2.5;	The student shall earn an unweighted grade point average of at least 2.6;
Complete all course requirements under the Future-Ready Core Course of Study	Complete all course requirements under the Future-Ready Core Course of Study.	Complete all course requirements under the Future-Ready Core Course of Study
The student shall complete the Future-Ready Core mathematics sequence of Math I, II, III; Algebra I, Geometry, Algebra II; or Integrated Math I, II, III and a fourth-level mathematics course that meets the University of North Carolina system Minimum Course Requirements that include a mathematics course with either Math III, Algebra II, or Integrated Mathematics III as a prerequisite; The student shall complete three course credits of science including an Earth/Environmental science course, Biology, and at least one physical science course that must include either physics or chemistry; For students entering ninth grade in 2012-13 or later, the student shall complete four-course credits in social studies; The student shall complete two course credits in a world language (other than English); The student shall complete four elective course credits in any one subject area, such as Career and Technical Education (CTE), JROTC, Arts Education, World Languages, or in another content area;	The student shall complete the Future-Ready Core mathematics sequence of Algebra I, Geometry, Algebra II, Math I, II, III or Integrated Math I, II, III and a fourth mathematics course that meets University of North Carolina system Minimum Admission 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 U.S. History or equivalent coursework; The student shall complete two units of a world language (other than English);	The student shall complete the Future-Ready Core mathematics sequence of Algebra I, Geometry, Algebra II, Math I, II, III or Integrated Math I, II, III; and a fourth mathematics course aligned with the student's post-secondary plans. 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 college math class under the North Carolina Community College System's Multiple Measures Placement policy;
The student shall have completed at least three higher-level courses during junior and/or senior years which carry quality points such as Advanced Placement, International Baccalaureate or Dual Enrollment courses; Advanced CTE and CTE credentialing courses; honors level courses, or Project Lead the Way courses; and	The student shall earn at least the benchmark reading score established by a nationally norm-referenced college admissions test. The student may retake the national norm-referenced test as many times as necessary to achieve the required benchmark score.	The student shall earn at least the benchmark reading score established by a nationally norm-referenced college admissions test. The student may retake the national norm-referenced test as many times as necessary to achieve the required benchmark score.

Career Endorsement	Global Languages Endorsement	Arts Proficiency Endorsement
The student shall earn an unweighted grade point average of at least 2.6;	The student shall earn a combined unweighted 2.5 GPA or above for the four English Language Arts courses required for graduation;	The student shall earn an unweighted GPA of 3.0 or higher in each arts credit.
Complete all course requirements under the Future-Ready Core Course of Study	Complete all course requirements under the Future-Ready Core Course of Study	Complete all course requirements under the Future-Ready Core Course of Study The student shall complete a minimum of four NCSCOS arts courses.
Except as limited by N.C.G.S. §115C-81(b), the student shall complete the Future-Ready Core mathematics sequence of Algebra I, Geometry, Algebra II, Math I, II, III or Integrated Math I, II, III and a fourth mathematics course aligned with the student's post-secondary plans. Acceptable fourth math courses for the Career Endorsement include any math course that may be used to meet NC high school graduation requirements, including applied math courses found in the Career and Technical Education (CTE) domain; The student shall complete a CTE concentration in one of the approved CTE Career Pathways;	The student shall establish proficiency in one or more languages in addition to English, using one of the options outlined below and in accordance with the guidelines developed by the North Carolina Department of Public Instruction; and Establish "Intermediate Low" proficiency or higher per the ACTFL proficiency scale using the Credit by Demonstrated Mastery SBE policy. 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. 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.	The student shall complete a minimum of 40 hours of arts-related extracurricular activities. The student shall participate in an arts-related extracurricular activity approved by the local board of education. The student shall complete all of the required hours outside of instructional hours. The student shall not receive any course credit for participation in the activity. In accordance with State Board guidance, the student shall document the hours on the form provided to local boards of education.
The student shall earn at least one industry-recognized credential. Earned credentials can include Career Readiness Certificates (CRC) at the Silver level or above from WorkKeys assessments or another appropriate industry credential/certification; and	English Learner students shall complete all the requirements of sections 1 and 2 above and reach "Developing" proficiency per the World-Class Instructional Design and Assessment (WIDA) proficiency scale in all four domains on the most recent state-identified English language proficiency test.	
The student shall earn at least the benchmark reading score established by a nationally norm-referenced college admissions test. The student may retake the national norm-referenced test as many times as necessary to achieve the required benchmark score.		

Citizenship Proficiency Endorsement
The opportunity to earn this endorsement shall be offered once per semester. The student shall correctly answer at least six out of 10 questions asked on the civics portion of the U.S. Citizenship and Immigration Services (USCIS) Naturalization Test. Social Studies Teachers shall administer the endorsement test in the same format as the USCIS Naturalization test, using the questions publicly available. This test must be read aloud to students. *This test may ONLY be taken by Seniors and does not grant Citizenship.*

Career and Technical Education (CTE) Credentials

Credentials are defined as certifications issued by professional associations, vendors, or employers. Credentials demonstrate that the student or employee "has acquired the designated knowledge, skills and abilities to perform a specific job" (Bielick, Cronen, Stone, Montaquila & Roth, 2013). A credential can be based on a written, oral or performance-based examination, or some combination of the three, and may require a prescribed period of supervised practice after successfully passing the exam.

Credentials differ from licenses, which are generally issued by a governmental entity. Licenses frequently are required for a practitioner to enter a field, while credentials help potential employees get hired or qualify them for a higher pay level but are not legally mandated.

Education and work-related credentials are important milestones for many individual career pathways. Both at the secondary and postsecondary level, students have the opportunity to earn credentials that verify skill mastery, educational attainment, and the authority to perform a task or operation – conveying real economic benefits in the labor market. Credentials are also valuable to employers, allowing them to determine the skill or education level of job applicants without having to perform an assessment for each one.

Certifications indicate mastery or competency in specific knowledge, skills or processes that can be measured against a set of accepted standards. These are not tied to a specific educational program but are typically awarded through assessment and validation of skills and in cooperation with business, trade association or industry groups.

The following credentials are available through Career and Technical Education Courses in Cumberland County Schools:

- Adobe Creative Cloud
- ANSI-Accredited Certified Food Protection Manager
- ANSI-Accredited Food Handler Certificate
- Aerial Mapping with Drones; 2D & 3D Application
- Autodesk
- Automotive Lift Institute-Lifting it Right School Edition
- Automotive Service Excellence (ASE)
- Automotive/Collision -S/P2
- Basic Life Saving (BLS Provider)
- Basic School Age Care (BSAC) Teaching as a Profession
- Business of Retail Certified Specialist
- Certified Guest Services Professional
- Certified Protection Officer (CPO)
- Certified Welders D1.1
- CFR 14 Part 107 USA Remote Pilot Certification
- Community Emergency Response Team (CERT) IS-317
- CompTIA Tech+
- CompTIA Security+
- CompTIA Net+
- CompTIA A+ (Core 1)
- CompTIA A+ (Core 2)
- Conover Credential Workplace Readiness
- CPR/AED
- CPR Health Care Provider
- Elanco Veterinary Medical Applications Certification
- Entrepreneurship and Small Business (ESB)
- Equine Management and Evaluation Certification
- EverFi
- FAA Trust
- First Aid
- First Aid/CPR/AED
- Future Plant Professional
- Hospitality and Tourism Specialist
- I-CAR Platinum ProLevel 1 for Refinishing
- I-CAR Collision Repair Fundamentals Badge
- I-CAR Disassembling and Reassembling Badge
- Intuit Certified Bookkeeping Professional
- Intuit Quickbooks Certified User
- Microsoft Office Specialist
- NAFTrack
- National Law Enforcement Certification SPSS
- NC NCCER
- NCECC Equivalency
- NCOSFM-Firefighter
- NECI 911 Basic Communications
- NFPA 2400
- NIMS (DHS/FEMA)
- NOCTI JROTC Leadership & Employability
- North Carolina Early Childhood Credential
- North Carolina Nurse Aide I
- OSHA 10-Hour Industry Certification
- PMI Project Management Ready
- Python Certified Associate
- Python Certified Entry-Level
- Python Certified Technology Specialist
- Pre-PAC in Culinary Arts
- Pre-PAC in Family and Community Services
- Pre-PAC in Fashion Textile and Apparel
- Stop the Bleed
- Woodwork Career Alliance (WCA) Sawblade Certificate
- Venture Entrepreneurial Expedition
- Youth for Quality Care of Animals

Cumberland County Schools Career Pathways

Career Pathways provide engaging student learning experiences that prepare students for coursework after high school, future careers, and life as productive citizens. Career Pathways enhance core academic, technical, and employability skills to provide education and training for high-demand, high-opportunity careers. Cumberland County Schools offers career pathways in 14 career clusters. For each cluster, there are pathway course sequences listed to help with coursework planning for high school and post-secondary options through FTCC High School Connections through advanced coursework options and career opportunities. Students can also explore intracurricular activities through Career and Technical Student Organizations. Major Clarity can help students identify the career pathway that best fits their interests and abilities. Options may vary. See your School Counselor for details.

Benefits to becoming a Career and Technical Education Concentrator:

- ★ CTE Concentrators are more likely to graduate high school within four years
- ★ CTE Concentrators are more likely to continue their education after high school compared to non-CTE students
- ★ CTE Concentrators, on average, earn higher annual wages than non-CTE students
- ★ CTE Concentrators receive hands-on learning experiences both in and outside of the classroom

All CTE Concentrators will have the opportunity to earn the National Career Readiness Credential the year that they graduate from high school at no cost to the student. The National Career Readiness Credential, a nationally recognized certificate, is awarded at four levels through the ACT WorkKeys assessment and demonstrates to future employers that a student is career ready and a high quality hire. ACT WorkKeys verifies a students ability to:

- ★ Problem solve
- ★ Think critically
- ★ Apply and analyze information

AGRICULTURE CAREER CLUSTER

Animal Science Career Pathway (ANSC)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="5">AY22 Exploring Food and Agricultural Products
AY23 Exploring Agricultural Issues
AY24 Fundamentals of the Ag Science Program
AY25 Ag and Social and Economic Well-Being
EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration</td><td></td><td>AA21 Animal Science I</td><td>AA22 Animal Science II Food Animal
OR
AA23 Animal Science II-Companion Animal</td><td>WS02 CTE Advanced Studies AGRI
OR
WA02 CTE Apprenticeship AGRI
OR
WI02 CTE Internship AGRI
OR
Academy of Agriculture & Natural Resources-CFHS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">AU10 Foundations of Agriculture</td></tr>
<tr><td>High School Connections</td><td colspan="3">Approved Career & College Promise Career Technical Education Pathway</td></tr>
<tr><td></td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Two Year College Post-Graduate Salary Range:</th><th>Careers:</th><th></th></tr>
<tr><td>Associate of Applied Science-Animal
Science Associate of Applied Science-Agribusiness
Technology Associate of Applied Science-Equine
Associate of Applied Science-Veterinary Technology</td><td>Bachelor of Science-Animal Science
Bachelor of Science-Applied Ecology
Bachelor of Science-Biological and Agricultural Engineering</td><td>$26,300-$32,600
Four Year College Post-Graduate Salary Range:
$39,000-$92,000</td><td colspan="2">Agriculture & Food Science Technician
Environmental Science Technician
Environmental Engineer Forest & Conservation Technician
Natural Science Managers
Poultry Scientist
Veterinarian
Veterinary Technician</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: FFA</td></tr>
</table>

* *Salary ranges for pathways are based on NC median income as reported by NC Commerce.*
* *Check with colleges of interests for more specific major options.*

Equine Science Career Pathway (EQSC)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
AY22 Exploring Food and Agricultural Products AY23 Exploring Agricultural Issues AY24 Fundamentals of the Ag Science Program AY25 Ag and Social and Economic Well-Being EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		AA31 Equine Science I	AA32 Equine Science II	WS02 CTE Advanced Studies AGRI OR WA02 CTE Apprenticeship AGRI OR WI02 CTE Internship AGRI OR Academy of Agriculture & Natural Resources-CFHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	AU10 Foundations of Agriculture AA21 Animal Science I		
	High School Connections	Approved Career & College Promise Career Technical Education Pathway		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Animal Science Associate of Applied Science-Agribusiness Technology Associate of Applied Science-Equine Associate of Applied Science-Veterinary Technology	Bachelor of Science-Animal Science Bachelor of Science-Applied Ecology Bachelor of Science-Biological and Agricultural Engineering	$26,300-$32,600 **Four Year College Post-Graduate Salary Range:** $39,000-$92,000	Agriculture & Food Science Technician Environmental Science Technician Environmental Engineer Forest & Conservation Technician Natural Science Managers Poultry Scientist Veterinarian Veterinary Technician Zoologist

Intracurricular Career and Technical Student Organizations: FFA

Plant Systems Career Pathway (PLSV)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
AY22 Exploring Food and Agricultural Products AY23 Exploring Agricultural Issues AY24 Fundamentals of the Ag Science Program AY25 Ag and Social and Economic Well-Being EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		AP41 Horticulture I Intro to Plants	AP42 Horticulture II Plant Production OR AP44 Horticulture II – Landscape Construction	WS02 CTE Advanced Studies AGRI OR WA02 CTE Apprenticeship AGRI OR WI02 CTE Internship AGRI OR Academy of Agriculture & Natural Resources-CFHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	AU10 Foundations of Agriculture		
	High School Connections	C1524AH1 Horticulture-Basic		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Animal Science Associate of Applied Science-Agribusiness Technology Associate of Applied Science-Equine Associate of Applied Science-Veterinary Technology	Bachelor of Science-Animal Science Bachelor of Science-Applied Ecology Bachelor of Science-Biological and Agricultural Engineering	$26,300-$32,600 **Four Year College Post-Graduate Salary Range:** $39,000-$92,000	Agriculture & Food Science Technician Environmental Science Technician Environmental Engineer Forest & Conservation Technician Natural Science Managers Poultry Scientist Veterinarian Veterinary Technician Zoologist

Intracurricular Career and Technical Student Organizations: FFA

Power, Structural, and Technical Systems (PSTE)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">AY22 Exploring Food and Agricultural Products
AY23 Exploring Agricultural Issues
AY24 Fundamentals of the Ag Science Program
AY25 Ag and Social and Economic Well-Being
EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration</td><td></td><td>AS31 Agricultural Mechanics I</td><td>AS32 Agricultural Mechanics II
AS33 Agricultural Mechanics II Small Engines</td><td>WS02 CTE Advanced Studies AGRI
OR
WI02 CTE Internship AGRI
OR
WA02 CTE Apprenticeship AGRI
OR
Academy of Agriculture & Natural Resources-CFHS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">AU10 Foundations of Agriculture</td></tr>
<tr><td>High School Connections</td><td colspan="3">Approved Career & College Promise Career Technical Education Pathway</td></tr>
<tr><td>Two Year College Major Options:</td><td>Four Year College Major Options</td><td>Two Year College Post-Graduate Salary Range:</td><td>Careers:</td><td></td></tr>
<tr><td rowspan="2">Associate of Applied Science-Agricultural Systems Technology
Associate of Applied Science-Agribusiness Technology</td><td rowspan="2">Bachelor of Science-Animal Science
Bachelor of Science-Applied Ecology
Bachelor of Science-Biological and Agricultural Engineering</td><td>$26,300-$32,600</td><td rowspan="2">Agricultural Equipment Operator
Mobile Heavy Equipment Mechanic
Farm Equipment Mechanic & Service Technician</td><td></td></tr>
<tr><td>Four Year College Post-Graduate Salary Range:
$39,000-$92,000</td><td></td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: FFA</td></tr>
</table>

Construction Career Cluster

Carpentry Career Pathway (CARP)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration	IC00 Core and Sustainable Construction	IC21 Carpentry I	IC22 Carpentry II	IC23 Carpentry III OR WS03 CTE Advanced Studies ARED OR WI03 CTE Internship ARED OR WA03 CTE Apprenticeship ARED Academy of Green Energy Technology-DBHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	F121 Interior Design Fundamentals GS11 Project Management I		
	High School Connections	C35100H1 A/C, Heating & Refrigeration-Basic C35140H1 Construction Technology C35130H1 Electricity, Motors, Controls PLC-Basic C40100H1 Green Sustainable Architecture C35130H1 Photovoltaic Systems C35300H1 Plumbing-Basic		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Architectural Technology Associate of Applied Science-Building Construction Technology Associate of Applied Science-Civil Engineering Associate of Applied Science-HVAC Associate of Applied Science-Electronic Engineering Technology Associate of Applied Science-Electrical Systems Technology Carpentry Diploma Plumbing Diploma	Bachelor of Science-Architecture Engineering Bachelor of Science-Civil Engineering Bachelor of Science-Mechanical Engineering	$27,390-$51,260 **Four Year College Post-Graduate Salary Range:** $38,380-$97,290	Architect Architecture & Civil Drafter Carpenter Civil Engineering Technician Civil Engineer Construction Manager Cost Estimator Electrician HVAC Mechanic Mechanical Engineer Plumber

Drafting Architectural Career Pathway (DRFA)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		IC61 Drafting I	IC62 Drafting II – Architectural	IC63 Drafting III – Architectural OR WS03 CTE Advanced Studies ARED OR WI03 CTE Internship ARED OR WA03 CTE Apprenticeship ARED
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	F121 Interior Design Fundamentals GS11 Project Management I		
	High School Connections	C35100H1 A/C, Heating & Refrigeration-Basic C35140H1 Construction Technology C35130H1 Electricity, Motors, Controls PLC-Basic C40100H1 Green Sustainable Architecture C35130H1 Photovoltaic Systems C35300H1 Plumbing-Basic		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Architectural Technology Associate of Applied Science-Building Construction Technology Associate of Applied Science-Electronic Engineering Technology Associate of Applied Science-Civil Engineering Associate of Applied Science-HVAC Associate of Applied Science-Electronic Engineering Technology Associate of Applied Science-Electrical Systems Technology Carpentry Diploma Plumbing Diploma	Bachelor of Science-Architecture Engineering Bachelor of Science-Civil Engineering Bachelor of Science-Mechanical Engineering	$27,390-$51,260 **Four Year College Post-Graduate Salary Range:** $38,380-$97,290	Architect Architecture & Civil Drafter Carpenter Civil Engineering Technician Civil Engineer Construction Manager Cost Estimator Electrician HVAC Mechanic Mechanical Engineer Plumber

Intracurricular Career and Technical Student Organizations: SkillsUSA

Interior Design Career Pathway (INDE)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
FY12 Exploring Apparel and Interior Design EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		FI21 Interior Design Fundamentals	F122 Interior Design Studio OR F123 Interior Design Technology	WS03 CTE Advanced Studies ARED OR WI03 CTE Internship ARED OR WA03 CTE Apprenticeship ARED Academy of Green Energy Technology-DBHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	GS11 Project Management I IC61 Drafting I CD10 Adobe Visual Design I FA31 Apparel and Textile Production		
	High School Connections	C35100H1 A/C, Heating & Refrigeration-Basic C35140H1 Construction Technology C35130H1 Electricity, Motors, Controls PLC-Basic C40100H1 Green Sustainable Architecture C35130H1 Photovoltaic Systems C35300H1 Plumbing-Basic		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Architectural Technology Associate of Applied Science-Building Construction Technology Associate of Applied Science-Civil Engineering Associate of Applied Science-HVAC Associate of Applied Science-Electronic Engineering Technology Associate of Applied Science-Electrical Systems Technology Carpentry Diploma Plumbing Diploma	Bachelor of Science-Architecture Engineering Bachelor of Science-Civil Engineering Bachelor of Science-Mechanical Engineering	$27,390-$51,260 **Four Year College Post-Graduate Salary Range:** $38,380-$97,290	Architect Architecture & Civil Drafter Carpenter Civil Engineering Technician Civil Engineer Construction Manager Cost Estimator Electrician HVAC Mechanic Mechanical Engineer Plumber

Intracurricular Career and Technical Student Organizations: FCCLA

Masonry Career Pathway (MASO)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration</td><td>IC00 Core and Sustainable Construction</td><td>IC11 Masonry I</td><td>IC11 Masonry II</td><td>IC13 Masonry III OR
WS03 CTE Advanced Studies ARED
OR
WI03 CTE Internship ARED
OR
WA03 CTE Apprenticeship ARED
Academy of Green Energy Technology-DBHS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3"></td></tr>
<tr><td>High School Connections</td><td colspan="3">C35100H1 A/C, Heating & Refrigeration-Basic
C35140H1 Construction Technology
C35130H1 Electricity, Motors, Controls PLC-Basic
C40100H1 Green Sustainable Architecture
C35130H1 Photovoltaic Systems
C35300H1 Plumbing-Basic</td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Two Year College Post-Graduate Salary Range:</th><th>Careers:</th></tr>
<tr><td>Associate of Applied Science-Architectural Technology
Associate of Applied Science-Building Construction Technology
Associate of Applied Science-Civil Engineering
Associate of Applied Science-HVAC
Associate of Applied Science-Electronic Engineering Technology Associate of Applied Science-Electrical Systems Technology
Carpentry Diploma
Plumbing Diploma</td><td>Bachelor of Science-Architecture Engineering
Bachelor of Science-Civil Engineering
Bachelor of Science-Mechanical Engineering</td><td>$27,390-$51,260
Four Year College Post-Graduate Salary Range:
$38,380-$97,290</td><td>Architect
Architecture & Civil Drafter
Carpenter
Civil Engineering Technician
Civil Engineer
Construction Manager
Cost Estimator
Electrician
HVAC Mechanic
Mechanical Engineer
Plumber</td></tr>
<tr><td colspan="4">Intracurricular Career and Technical Student Organizations: SkillsUSA</td></tr>
</table>

Arts, Entertainment, and Design Career Cluster

Adobe Academy Career Pathway (ADAC)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
CY20 Computer Science Discoveries I CY21 Computer Science Discoveries II CY22 Computer Science Discoveries III CY30 Coding in Minecraft - Introductory CY31 Coding in Minecraft - Intermediate EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		CD10 Adobe Visual Design I	CD11 Adobe Visual Design II OR CD12 Adobe Digital Design I OR CD14 Adobe Video Design I	WA01 CTE Apprenticeship ADMF OR WI01 CTE Internship ADMF OR WA01 CTE Apprenticeship ADMF
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	MM51 Marketing		
	High School Connections	C25450H2 3 D Animation C30100H1 Graphic Design C25450H1 Simulation and Game Development		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Advertising & Graphic Design Associate of Applied Science-Digital Media Technology Associate of Applied Science-Simulation and Game Development	Bachelor of Arts-Broadcast Communications Bachelor of Arts-Graphic Design Bachelor of Arts-Journalism Bachelor of Arts-Mass Communications Bachelor of Arts-Media Arts	$22,130-$37,100 **Four Year College Post-Graduate Salary Range:** $29,340-$88,400	Art Director Broadcast Technician Graphic Designer Multimedia Artists & Animator Technical Writer Writer/Author

Intracurricular Career and Technical Student Organizations: SkillsUSA

Apparel and Textile Production Career Pathway (ATPR)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration FY12 Exploring Apparel and Interior Design		FA31 Apparel and Textile Production I	FA32 Apparel and Textile Production II	WA01 CTE Apprenticeship ADMF OR WI01 CTE Internship ADMF OR WA01 CTE Apprenticeship ADMF
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	MI21 Fashion Merchandising ME11 Entrepreneurship I CD10 Adobe Visual Design I GS11 Project Management I		
	High School Connections	C25450H2 3 D Animation C30100H1 Graphic Design C25450H1 Simulation and Game Development		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Advertising & Graphic Design Associate of Applied Science-Digital Media Technology Associate of Applied Science-Simulation and Game Development	Bachelor of Arts-Broadcast Communications Bachelor of Arts-Graphic Design Bachelor of Arts-Journalism Bachelor of Arts-Mass Communications Bachelor of Arts-Media Arts	$22,130-$37,100 **Four Year College Post-Graduate Salary Range:** $29,340-$88,400	Art Director Broadcast Technician Graphic Designer Multimedia Artists & Animator Technical Writer Writer/Author

Intracurricular Career and Technical Student Organizations: FCCLA

Programming & Broadcasting (PB/Local Option)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		IL70 Programming & Broadcasting I	IL71 Programming & Broadcasting II	WA01 CTE Apprenticeship ADMF OR WI01 CTE Internship ADMF OR WA01 CTE Apprenticeship ADMF
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	MI21 Fashion Merchandising ME11 Entrepreneurship I CD10 Adobe Visual Design I GS11 Project Management I		
	High School Connections	C25450H2 3 D Animation C30100H1 Graphic Design C25450H1 Simulation and Game Development		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Advertising & Graphic Design Associate of Applied Science-Digital Media Technology Associate of Applied Science-Simulation and Game Development	Bachelor of Arts-Broadcast Communications Bachelor of Arts-Graphic Design Bachelor of Arts-Journalism Bachelor of Arts-Mass Communications Bachelor of Arts-Media Arts	$22,130-$37,100 **Four Year College Post-Graduate Salary Range:** $29,340-$88,400	Art Director Broadcast Technician Graphic Designer Multimedia Artists & Animator Technical Writer Writer/Author

Intracurricular Career and Technical Student Organizations: FCCLA

Management and Entrepreneurship Career Cluster

Entrepreneurship Career Pathway (ENTRE)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BY10 Exploring Business and Entrepreneurship BY11 Exploring Economic Systems BY12 Exploring Business Activities BY13 Exploring Bus Procedures and Leadership EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		ME11 Entrepreneurship I	ME12 Entrepreneurship II	WS04 CTE Advanced Studies CONS OR WI04 CTE Internship CONS OR WA04 CTE Apprenticeship CONS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	BF10 Principles of Business and Finance MM51 Marketing CC11 Microsoft Excel		
	High School Connections	C25120H1 Business Foundations C25310H2 Healthcare Customer Service C25370H2 Office Administration Legal		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Entrepreneurship Associate of Applied Science-General Business Administration Associate of Applied Science-General Office Administration Associate of Science-Human Resources Management Associate of Science-Medical Office Professional	Bachelor of Science-Business Administration Bachelor of Science-Business Analytics Bachelor of Science-International Business Bachelor of Science-Management Bachelor of Science-Management Information Systems	$22,900-$38,300 **Four Year College Post-Graduate Salary Range:** $38,420-$135,740	Administrative Services Manager Compensation & Benefits Manager Computer & Information Systems Manager Customer Service Representative Entrepreneur General & Operations Manager Human Resource Assistant Management Analyst Office Support Personnel

Intracurricular Career and Technical Student Organizations: DECA, FBLA

General Management Career Pathway (GMGT)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">BY10 Exploring Business and Entrepreneurship
BY11 Exploring Economic Systems
BY12 Exploring Business Activities
BY13 Exploring Bus Procedures and Leadership
EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration</td><td>BF10 Business Essentials</td><td>BB40 Business Management I</td><td>BB42 Business Management II</td><td>WS04 CTE Advanced Studies CONS
OR
WI04 CTE Internship CONS
OR
WA04 CTE Apprenticeship CONS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">BA10 Accounting I
BB30 Business Ethics and Law I
CC11 Microsoft Excel</td></tr>
<tr><td>High School Connections</td><td colspan="3">C25120H1 Business Foundations
C25310H2 Healthcare Customer Service
C25370H2 Office Administration Legal</td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Two Year College Post-Graduate Salary Range:</th><th>Careers:</th></tr>
<tr><td>Associate of Applied Science-Entrepreneurship
Associate of Applied Science-General Business Administration
Associate of Applied Science-General Office Administration
Associate of Science-Human Resources Management
Associate of Science-Medical Office Professional</td><td>Bachelor of Science-Business Administration
Bachelor of Science-Business Analytics
Bachelor of Science-International Business
Bachelor of Science-Management
Bachelor of Science-Management Information Systems</td><td>$22,900-$38,300
Four Year College Post-Graduate Salary Range:
$38,420-$135,740</td><td>Administrative Services Manager
Compensation & Benefits Manager
Computer & Information System Manager
Customer Service Representative
Entrepreneur
General & Operations Manager
Human Resource Assistant
Management Analyst
Office Support Personnel</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: DECA, FBLA</td></tr>
</table>

Project Management Career Pathway (PMGT)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BY10 Exploring Business and Entrepreneurship BY11 Exploring Economic Systems BY12 Exploring Business Activities BY13 Exploring Bus Procedures and Leadership EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		GS11 Project Management I	CS12 Project Management II	WS04 CTE Advanced Studies CONS OR WI04 CTE Internship CONS OR WA04 CTE Apprenticeship CONS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CC11 Microsoft Excel BF10 Business Essentials		
	High School Connections	C25120H1 Business Foundations C25310H2 Healthcare Customer Service C25370H2 Office Administration Legal		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Entrepreneurship Associate of Applied Science-General Business Administration Associate of Applied Science-General Office Administration Associate of Science-Human Resources Management Associate of Science-Medical Office Professional	Bachelor of Science-Business Administration Bachelor of Science-Business Analytics Bachelor of Science-International Business Bachelor of Science-Management Bachelor of Science-Management Information Systems	$22,900-$38,300 **Four Year College Post-Graduate Salary Range:** $38,420-$135,740	Administrative Services Manager Compensation & Benefits Manager Computer & Information Systems Manager Customer Service Representative Entrepreneur General & Operations Manager Human Resource Assistant Management Analyst Office Support Personnel

Intracurricular Career and Technical Student Organizations: DECA, FBLA

Financial Services Career Cluster

Accounting Career Pathway (ACCT)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BY10 Exploring Business and Entrepreneurship BY11 Exploring Economic Systems BY12 Exploring Business Activities BY13 Exploring Bus Procedures and Leadership EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		BA10 Accounting I	BA20 Accounting II	WS06 CTE Advanced Studies EDUC OR WI06 CTE Internship EDUC OR WA06 CTE Apprenticeship EDUC Academy of Finance-DBHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CC11 Microsoft Excel		
	High School Connections	C25800H1 Accounting Foundations		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Finance Associate of Applied Science-Accounting and Finance Associate of Applied Science-Financial Services	Bachelor of Science-Accounting Bachelor of Science-Economics Bachelor of Science-Finance	$29,810-$49,440 **Four Year College Post-Graduate Salary Range:** $55,490-$80,740	Accountant Auditor Auto Insurance Appraiser Claims Adjuster/Examiner/Investigator Credit Analyst Financial Advisor Financial Analyst Insurance Sales Agent Loan Clerk Loan Officer

Intracurricular Career and Technical Student Organizations: FBLA

Financial Planning Career Pathway (FNPL)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">BY10 Exploring Business and Entrepreneurship
BY11 Exploring Economic Systems
BY12 Exploring Business Activities
BY13 Exploring Bus Procedures and Leadership
EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration</td><td>BF10 Business Essentials</td><td>BF21 Financial Planning I</td><td>BF22 Financial Planning II</td><td>WS06 CTE Advanced Studies EDUC
OR
WI06 CTE Internship EDUC
OR
WA06 CTE Apprenticeship EDUC
Academy of Finance-DBHS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">CC11 Microsoft Excel</td></tr>
<tr><td>High School Connections</td><td colspan="3">C25800H1 Accounting Foundations</td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Two Year College Post-Graduate Salary Range:</th><th>Careers:</th><th></th></tr>
<tr><td>Associate of Applied Science-Finance
Associate of Applied Science-Accounting and Finance
Associate of Applied Science-Financial Services</td><td>Bachelor of Science-Accounting
Bachelor of Science-Economics
Bachelor of Science-Finance</td><td>$29,810-$49,440
Four Year College Post-Graduate Salary Range:
$55,490-$80,740</td><td colspan="2">Accountant
Auditor
Auto Insurance Appraiser
Claims Adjuster/Examiner/Investigator
Credit Analyst
Financial Advisor
Financial Analyst
Insurance Sales Agent
Loan Clerk
Loan Officer</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: FBLA</td></tr>
</table>

Government and Public Administration Cluster

Junior Reserve Officers Training Corps (JROT)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY30 Career Exploration	9501 JROTC I	9502 JROTC II	9503 JROTC III	9504 JROTC IV 9505 JROTC V 9506 JROTC VI 9507 JROTC VII 9508 JROTC VIII
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CC11 Microsoft Excel		
	High School Connections	Network Defense Specialist C25590H5 Cisco Entry Networking Certificate C25590H9 Computer Science Transfer C25590HE Computer Technologies C25590H4		
Two Year College Major Options:	**Four Year College Major Options**	**Two Year College Post-Graduate Salary Range:**	**Careers:**	
Associate of Applied Science-Network Defense Associate of Applied Science-Computer Science Associate of Applied Science-Business Foundations Associate of Applied Science-Criminal Justice	Bachelor of Science-Networking Security Bachelor of Science-Computer Science Bachelor of Science-Business Administration Bachelor of Science-Criminal Justice	$29,810-$49,440 **Four Year College Post-Graduate Salary Range:** $55,490-$80,740	Military Government Administration Law Enforcement Network Defense Specialist	
Intracurricular Career and Technical Student Organizations: FBLA				

Healthcare and Human Services Career Cluster

Biomedical Technology Career Pathway (BTCP)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration HY10 Med Terms and Body Sys in Therapeu Srvcs HY11 Med Terms Body Sys in Dgnstc Srvc Career HY12 Med Terms and Body Sys in Biotech Career		HP71 PLTW Human Body Systems OR HU40 Health Science I	HB11 Biomedical Technology	HH32 Pharmacy Technician OR WS08 CTE Advanced Studies FINS OR WI08 CTE Internship FINS OR WA08 CTE Apprenticeship FINS Academy of Health Sciences & Technology-WOHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management ED45 Career Management		
	Supplemental Technical Courses	HU10 Foundations of Health Science		
	High School Connections	C456330H1 Health and Fitness Science C45480H1 Nurse Aide C45180H1 Central Sterile Processing		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Dental Hygiene Associate of Applied Science-Emergency Medical Science Associate of Applied Science-Nursing Associate in General Education-Nursing Associate of Applied Science-Pharmacy Technology Associate of Applied Science-Physical Therapy Assistant Associate of Applied Science-Radiography Associate of Applied Science-Respiratory Therapy Associate of Applied Science-Speech Language Pathology Assistant Associate of Applied Science-Surgical Technology Dental Assistant Diploma Nurse Aide Diploma	Bachelor of Science-Biochemistry Bachelor of Science-Biology Pre-Medical Tracks Bachelor of Science-Exercise and Sport Science Bachelor of Science-Health Science Bachelor of Science-Kinesiology Bachelor of Science-Pharmaceutical Sciences Bachelor of Science-Nursing	$26,450-$56,410 **Four Year College Post-Graduate Salary Range:** $50,330-$62,940	Dental Hygienist Licensed Practical Nurse Medical Assistant Nurse Aide Physical Therapist Assistant Physical Therapist Pharmacy Assistant Radiation Therapist Radiologic Technologist Registered Nurse Respiratory Therapist Surgical Technologist

Healthcare Professional Career Pathway (HPCP)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration HY10 Med Terms and Body Sys in Therapeu Srvcs HY11 Med Terms Body Sys in Dgnstc Srvc Career HY12 Med Terms and Body Sys in Biotech Career		HP71 PLTW Human Body Systems OR HU40 Health Science I	HU42 Health Science II	HH32 Pharmacy Technician OR HN43 Nursing Fundamentals and Practicum (2 credits) OR WS08 CTE Advanced Studies FINS OR WI08 CTE Internship FINS OR WA08 CTE Apprenticeship FINS Academy of Health Sciences & Technology-WOHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	HU10 Foundations of Health Science		
	High School Connections	C456330H1 Health and Fitness Science C45480H1 Nurse Aide C45180H1 Central Sterile Processing		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Dental Hygiene Associate of Applied Science-Emergency Medical Science Associate of Applied Science-Nursing Associate in General Education-Nursing Associate of Applied Science-Pharmacy Technology Associate of Applied Science-Physical Therapy Assistant Associate of Applied Science-Radiography Associate of Applied Science-Respiratory Therapy Associate of Applied Science-Speech Language Pathology Assistant Associate of Applied Science-Surgical Technology Dental Assistant Diploma Nurse Aide Diploma	Bachelor of Science-Biochemistry Bachelor of Science-Biology Pre-Medical Tracks Bachelor of Science-Exercise and Sport Science Bachelor of Science-Health Science Bachelor of Science-Kinesiology Bachelor of Science-Pharmaceutical Sciences Bachelor of Science-Nursing	$26,450-$56,410 **Four Year College Post-Graduate Salary Range:** $50,330-$62,940	Dental Hygienist Licensed Practical Nurse Medical Assistant Nurse Aide Physical Therapist Assistant Physical Therapist Pharmacy Assistant Radiation Therapist Radiologic Technologist Registered Nurse Respiratory Therapist Surgical Technologist

Intracurricular Career and Technical Student Organizations: HOSA Future Health Professionals

Counseling and Mental Health Career Pathway (CMHC)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration FY10 Exploring Social and Emotional Skills FY11 Exploring Nutrition and Wellness FY14 Exploring Childcare		FC13 Counseling and Mental Health I	FC14 Counseling and Mental Health II	WS10 CTE Advanced Studies HOET WI10 CTE Internship HOET WA10 CTE Apprenticeship HOET
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	FC11 Principles of Family and Human Services FE60 Child Development		
	High School Connections	C55860H1 Early Childhood Preschool		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Early Childhood Education Associate in Applied Science-B-K Licensure Transfer (Teaching) Associate of Applied Science-B-K Non-Licensure	Bachelor of Arts-Early Childhood Education Bachelor of Arts-Early Childhood Administration Bachelor of Science-Elementary Education Bachelor of Science-Social Work	$17,400-$27,700 **Four Year College Post-Graduate Salary Range:** $35,400-$64,360	Child, Family, & School Social Worker Community Health Worker Elementary School Teacher Preschool Teacher Social and Community Service Worker **Residential Advisor**

Intracurricular Career and Technical Student Organizations: FCCLA

Early Childhood Development & Services Career Pathway (EACH)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration FY10 Exploring Social and Emotional Skills FY11 Exploring Nutrition and Wellness FY12 Exploring Apparel and Interior Design FY14 Exploring Childcare		FE60 Child Development	FE11 Early Childhood Education I (2 credit course)	FE12 Early Childhood Education II (2 credit course)
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	FC11 Principles of Family and Human Services FC13 Counseling and Mental Health I		
	High School Connections	C55860H1 Early Childhood Preschool		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Early Childhood Education Associate in Applied Science-B-K Licensure Transfer (Teaching) Associate of Applied Science-B-K Non-Licensure	Bachelor of Arts-Early Childhood Education Bachelor of Arts-Early Childhood Administration Bachelor of Science-Elementary Education Bachelor of Science-Social Work	$17,400-$27,700 **Four Year College Post-Graduate Salary Range:** $35,400-$64,360	Child, Family, & School Social Worker Community Health Worker Elementary School Teacher Preschool Teacher Social and Community Service Worker **Other Human Services Related Careers:** Cosmetologist Esthetician Massage Therapist Nail Technician

Intracurricular Career and Technical Student Organizations: FCCLA

Food & Nutrition Career Pathway (FONU)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration FY10 Exploring Social and Emotional Skills FY11 Exploring Nutrition and Wellness		FN41 Food and Nutrition I	FN42 Food and Nutrition II	FN43 Food Science and Technology OR WS10 CTE Advanced Studies HOET OR WI10 CTE Internship HOET OR WA10 CTE Apprenticeship HOET
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	FC11 Principles of Family and Human Services FH10 Culinary Arts and Hospitality I		
	High School Connections	C1524AH1 Horticulture-Basic C55860H1 Early Childhood Preschool		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Horticulture Technology Associate of Applied Science-Food Sciences Technology Associate of Applied Science-Food Processing Technology Associates of Applied Science-Nutrition and Dietetics	Bachelor of Science-Agriculture Bachelor of Science-Applied Ecology Bachelor of Science-Food Science Bachelor of Science-Food and Environmental Nutrition Bachelor of Science-Food Science and Human Nutrition Bachelor of Science-Nutrition Bachelor of Science-Horticulture	$26,300-$32,600 **Four Year College Post-Graduate Salary Range:** $39,000-$140,600	Agriculture & Food Science Technician Animal Scientist Environmental Engineer Environmental Science Technician Environmental Engineer Forest & Conservation Technician Natural Science Managers Poultry Scientist Veterinarian Veterinary Technician Zoologist **Other Human Services Related Careers:** Cosmetologist Early Childhood Worker Esthetician Fitness Trainer Massage Therapist Nail Technician

Intracurricular Career and Technical Student Organizations: FCCLA

Culinary Arts Applications Career Pathway (CULA)-Commercial Facilities

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration FY10 Exploring Social and Emotional Skills FY11 Exploring Nutrition and Wellness FY12 Exploring Apparel and Interior Design	FH10 Culinary Arts & Hospitality	FH11 Culinary Arts & Hospitality II Applications	FH13 Culinary Arts & Hospitality III	FH14 Culinary Arts & Hospitality IV Applications OR WS09 CTE Advanced Studies HCHS OR WI09 CTE Internship HCHS OR WA09 CTE Apprenticeship HCHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	FN41 Food and Nutrition I		
	High School Connections	C5510H1 Culinary Foundations		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Culinary Arts Associate of Applied Science-Hospitality Management	Bachelor of Arts-Hospitality Management Bachelor of Arts-Hospitality and Tourism Administration Bachelor of Arts-Service Management Bachelor of Science-Business Administration	$18,500-$57,150 **Four Year College Post-Graduate Salary Range:** $29,160-$57,150	Chef/Head Cook Flight Attendant Food Service Managers Lodging Managers Meeting, Convention & Event Planners Recreation Workers Reservation & Transport Agents Resort Managers

Intracurricular Career and Technical Student Organizations: FCCLA

Culinary Arts Internship Career Pathway (CULI)-Residential Facilities

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="5">EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration
FY10 Exploring Social and Emotional Skills
FY11 Exploring Nutrition and Wellness
FY12 Exploring Apparel and Interior Design</td><td>FH10 Culinary Arts & Hospitality I</td><td>FH12 Culinary Arts & Hospitality II Internship</td><td>FH13 Culinary Arts & Hospitality III</td><td>**FH12 includes a work-based learning experience.</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">FN41 Food and Nutrition I</td></tr>
<tr><td>High School Connections</td><td colspan="3">C5510H1 Culinary Foundations</td></tr>
<tr><td colspan="2"></td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Two Year College Post-Graduate Salary Range:</th><th>Careers:</th></tr>
<tr><td rowspan="2">Associate of Applied Science-Culinary Arts
Associate of Applied Science-Hospitality Management</td><td rowspan="2">Bachelor of Arts-Hospitality Management
Bachelor of Arts-Hospitality and Tourism Administration
Bachelor of Arts-Service Management
Bachelor of Science-Business Administration</td><td>$18,500-$57,150</td><td rowspan="2">Chefs & Head Cooks
Flight Attendants
Food Service Manager
Lodging Manager
Meeting, Convention & Event Planners
Recreation Worker
Reservation & Transport
Agent Resort Manager</td></tr>
<tr><td>Four Year College Post-Graduate Salary Range:
$29,160-$57,150</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: FCCLA</td></tr>
</table>

Sport and Event Marketing (SEMK)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BY10 Exploring Business and Entrepreneurship BY11 Exploring Economic Systems BY12 Exploring Business Activities BY13 Exploring Bus Procedures and Leadership EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		MH31 Sport & Event Marketing I	MH32 Sport & Event Marketing II	WS09 CTE Advanced Studies HCHS OR WI09 CTE Internship HCHS OR WA09 CTE Apprenticeship HCHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CC11 Microsoft Excel GS11 Project Management I ME11 Entrepreneurship I		
	High School Connections	C5510H1 Culinary Foundations		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Culinary Arts Associate of Applied Science-Hospitality Management	Bachelor of Arts-Hospitality Management Bachelor of Arts-Hospitality and Tourism Administration Bachelor of Arts-Service Management Bachelor of Science-Business Administration	$18,500-$57,150 **Four Year College Post-Graduate Salary Range:** $29,160-$57,150	Chefs & Head Cooks Flight Attendants Food Service Manager Lodging Manager Meeting, Convention & Event Planners Recreation Worker Reservation & Transport Agent Resort Manager

Intracurricular Career and Technical Student Organizations: DECA

Hospitality & Tourism Career Pathway (HOTM)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">BY10 Exploring Business and Entrepreneurship
BY12 Exploring Business Activities
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration
FY11 Exploring Nutrition and Wellness</td><td></td><td>FH31 Hospitality and Tourism Mgmt I</td><td>FH32 Hospitality and Tourism Mgmt II</td><td>WS09 CTE Advanced Studies HCHS
OR
WI09 CTE Internship HCHS
OR
WA09 CTE Apprenticeship HCHS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">BF10 Business Essentials
FH10 Culinary Arts and Hospitality I
GS11 Project Management I
ME11 Entrepreneurship I
MH31 Sport and Event Marketing I
MI31 Sales I
MM51 Marketing I</td></tr>
<tr><td>High School Connections</td><td colspan="3">C5510H1 Culinary Foundations</td></tr>
<tr><td>Two Year College Major Options:</td><td>Four Year College Major Options</td><td>Two Year College Post-Graduate Salary Range:</td><td>Careers:</td></tr>
<tr><td>Associate of Applied Science-Culinary Arts
Associate of Applied Science-Hospitality Management</td><td>Bachelor of Arts-Hospitality Management
Bachelor of Arts-Hospitality and Tourism Administration
Bachelor of Arts-Service Management Bachelor of Science-Business Administration</td><td>$18,500-$57,150
Four Year College Post-Graduate Salary Range:
$29,160-$57,150</td><td>Chefs & Head Cooks
Flight Attendants
Food Service Manager
Lodging Manager
Meeting, Convention & Event Planners
Recreation Worker
Reservation & Transport
Agent Resort Manager
Tourism Manager</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: DECA</td></tr>
</table>

Human Services Career Cluster

Counseling and Mental Health Career Pathway (CMHC)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration
FY10 Exploring Social and Emotional Skills
FY11 Exploring Nutrition and Wellness
FY14 Exploring Childcare</td><td></td><td>FC13 Counseling and Mental Health I</td><td>FC14 Counseling and Mental Health II</td><td>WS10 CTE Advanced Studies HOET
WI10 CTE Internship HOET
WA10 CTE Apprenticeship HOET</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">FC11 Principles of Family and Human Services
FE60 Child Development</td></tr>
<tr><td>High School Connections</td><td colspan="3">C55860H1 Early Childhood Preschool</td></tr>
<tr><td>Two Year College Major Options:</td><td>Four Year College Major Options</td><td>Two Year College Post-Graduate Salary Range:</td><td colspan="2">Careers:</td></tr>
<tr><td rowspan="3">Associate of Applied Science-Early Childhood Education
Associate in Applied Science-B-K Licensure Transfer (Teaching)
Associate of Applied Science-B-K Non-Licensure</td><td rowspan="3">Bachelor of Arts-Early Childhood Education
Bachelor of Arts-Early Childhood Administration
Bachelor of Science-Elementary Education
Bachelor of Science-Social Work</td><td>$17,400-$27,700</td><td colspan="2" rowspan="3">Child, Family, & School Social Worker
Community Health Worker
Elementary School Teacher
Preschool Teacher
Social and Community Service Worker
Residential Advisor</td></tr>
<tr><td>Four Year College Post-Graduate Salary Range:</td></tr>
<tr><td>$35,400-$64,360</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: FCCLA</td></tr>
</table>

Early Childhood Development & Services Career Pathway (EACH)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration
FY10 Exploring Social and Emotional Skills
FY11 Exploring Nutrition and Wellness
FY12 Exploring Apparel and Interior Design
FY14 Exploring Childcare</td><td></td><td>FE60 Child Development</td><td>FE11 Early Childhood Education I
(2 credit course)</td><td>FE12 Early Childhood Education II
(2 credit course)</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">FC11 Principles of Family and Human Services
FC13 Counseling and Mental Health I</td></tr>
<tr><td>High School Connections</td><td colspan="3">C55860H1 Early Childhood Preschool</td></tr>
<tr><td>Two Year College Major Options:</td><td>Four Year College Major Options</td><td>Two Year College Post-Graduate Salary Range:</td><td colspan="2">Careers:</td></tr>
<tr><td rowspan="3">Associate of Applied Science-Early Childhood Education
Associate in Applied Science-B-K Licensure Transfer (Teaching)
Associate of Applied Science-B-K Non-Licensure</td><td rowspan="3">Bachelor of Arts-Early Childhood Education
Bachelor of Arts-Early Childhood Administration
Bachelor of Science-Elementary Education
Bachelor of Science-Social Work</td><td>$17,400-$27,700</td><td colspan="2" rowspan="3">Child, Family, & School Social Worker
Community Health Worker
Elementary School Teacher
Preschool Teacher
Social and Community Service Worker
Other Human Services Related Careers:
Cosmetologist
Esthetician
Massage Therapist
Nail Technician</td></tr>
<tr><td>Four Year College Post-Graduate Salary Range:</td></tr>
<tr><td>$35,400-$64,360</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: FCCLA</td></tr>
</table>

Food & Nutrition Career Pathway (FONU)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration FY10 Exploring Social and Emotional Skills FY11 Exploring Nutrition and Wellness		FN41 Food and Nutrition I	FN42 Food and Nutrition II	FN43 Food Science and Technology OR WS10 CTE Advanced Studies HOET OR WI10 CTE Internship HOET OR WA10 CTE Apprenticeship HOET
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	FC11 Principles of Family and Human Services FH10 Culinary Arts and Hospitality I		
	High School Connections	C1524AH1 Horticulture-Basic C55860H1 Early Childhood Preschool		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Horticulture Technology Associate of Applied Science-Food Sciences Technology Associate of Applied Science-Food Processing Technology Associates of Applied Science-Nutrition and Dietetics	Bachelor of Science-Agriculture Bachelor of Science-Applied Ecology Bachelor of Science-Food Science Bachelor of Science-Food and Environmental Nutrition Bachelor of Science-Food Science and Human Nutrition Bachelor of Science-Nutrition Bachelor of Science-Horticulture	$26,300-$32,600 **Four Year College Post-Graduate Salary Range:** $39,000-$140,600	Agriculture & Food Science Technician Animal Scientist Environmental Engineer Environmental Science Technician Environmental Engineer Forest & Conservation Technician Natural Science Managers Poultry Scientist Veterinarian Veterinary Technician Zoologist **Other Human Services Related Careers:** Cosmetologist Early Childhood Worker Esthetician Fitness Trainer Massage Therapist Nail Technician

Intracurricular Career and Technical Student Organizations: FCCLA

Digital Technology Career Cluster

Computer Science Principles Career Pathway (CSPR)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
CY01 Keyboarding and Basic Word Processing CY02 Introduction to Office Productivity CY03 Office Productivity Applications CY04 Digital Literacy CY13 Apple: Everyone Can Code I - Puzzles CY14 Apple: Everyone Can Code II - Adventures CY20 Computer Science Discoveries I CY21 Computer Science Discoveries II CY22 Computer Science Discoveries III CY30 Coding in Minecraft - Introductory CY31 Coding in Minecraft - Intermediate CY32 Coding in Minecraft - Advanced EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		CP05 Coding in Minecraft Expert Coding OR CS20 Computer Science I	0A02 AP Computer Science Principles OR CS21 Computer Science II	2A02 AP Computer Science A OR WS11 CTE Advanced Studies MGTE OR WI11 CTE Internship MGTE OR WA11 CTE Apprenticeship MGTE Academy of Information Technology-GCHS & PFHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CA10 Artificial Intelligence I CC11 Microsoft Excel CI00 CompTIA IT Fundamentals CP21 Develop in Swift Fundamentals CS10 Introduction to Computer Science		
	High School Connections	C25590H1 CISCO Network C25590H4 Computer Technology C30100H1 Graphic Design C25590H3 Hardware and Software C25590H1 IOS Swift C25590H5 Network Defense C25590H8 Python Programming C25590H1 SAS Programming		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Computer Programming and Development Associate of Applied Science-Database Management Associate of Applied Science-Digital Media Technology	Bachelor of Science-Computer Programming Bachelor of Science-Computer Engineering Bachelor of Science-Computer Science	$33,130-$68,520 **Four Year College Post-Graduate Salary Range:** $54,900-$106,170	Computer Applications Software Developer Computer Network Architect Computer Network Support Specialist Computer Systems Analyst Computer Support Specialist Cybersecurity Analyst Cybersecurity Engineer

Other Options: Many IT areas require certifications for competitive pay.	Bachelor of Science-Cybersecurity Bachelor of Science-Data Management Bachelor of Science-Information Technology Bachelor of Science-Information Technology & Security		Database Administrator Information Security Analyst Network & Computer System Administrator Web Developer
Intracurricular Career and Technical Student Organizations: FBLA			

AP Computer Science Principles Career Pathway (APCS)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
CY01 Keyboarding and Basic Word Processing CY02 Introduction to Office Productivity CY03 Office Productivity Applications CY04 Digital Literacy CY13 Apple: Everyone Can Code I - Puzzles CY14 Apple: Everyone Can Code II - Adventures CY20 Computer Science Discoveries I CY21 Computer Science Discoveries II CY22 Computer Science Discoveries III CY30 Coding in Minecraft - Introductory CY31 Coding in Minecraft - Intermediate CY32 Coding in Minecraft - Advanced EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		0A02 AP Computer Science Principles	2A02 AP Computer Science A	WS11 CTE Advanced Studies MGTE OR WI11 CTE Internship MGTE OR WA11 CTE Apprenticeship MGTE Academy of Information Technology-GCHS & PFHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CC11 Microsoft Excel CI00 CompTIA IT Fundamentals CP05 Coding in Minecraft Expert Coding CP21 Develop in Swift Fundamentals CS10 Introduction to Computer Science		
	High School Connections	C25590H9 CISCO Network C25590H4 Computer Technology C30100H1 Graphic Design C25590H3 Hardware and Software C25590H1 IOS Swift C25590H5 Network Defense C25590H8 Python Programming C25590H1 SAS Programming		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Computer Programming and Development	Bachelor of Science-Computer Programming	$33,130-$68,520	Computer Applications Software Developer Computer Network Architect Computer Network Support Specialist

Associate of Applied Science-Database Management Associate of Applied Science-Digital Media Technology **Other Options:** Many IT areas require certifications for competitive pay.	Bachelor of Science Computer Engineering Bachelor of Science-Computer Science Bachelor of Science-Cybersecurity Bachelor of Science-Data Management Bachelor of Science-Information Technology Bachelor of Science-Information Technology & Security	**Four Year College Post-Graduate Salary Range:** $54,900-$106,170	Computer Systems Analyst Computer Support Specialist Cybersecurity Analyst Cybersecurity Engineer Database Administrator Information Security Analyst Network & Computer System Administrator Web Developer
Intracurricular Career and Technical Student Organizations: FBLA			

Network Security Career Pathway (NESE)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
CY01 Keyboarding and Basic Word Processing CY02 Introduction to Office Productivity CY03 Office Productivity Applications CY04 Digital Literacy CY13 Apple: Everyone Can Code I - Puzzles CY14 Apple: Everyone Can Code II - Adventures CY20 Computer Science Discoveries I CY21 Computer Science Discoveries II CY22 Computer Science Discoveries III CY30 Coding in Minecraft - Introductory CY31 Coding in Minecraft - Intermediate CY32 Coding in Minecraft - Advanced EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		CI30 Cybersecurity I	CI31 Cybersecurity II	WS11 CTE Advanced Studies MGTE OR WI11 CTE Internship MGTE OR WA11 CTE Apprenticeship MGTE Academy of Information Technology-GCHS & PFHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CI00 CompTIA IT Fundamentals CP05 Coding in Minecraft Expert Coding		
	High School Connections	C25590H1 CISCO Network C25590H4 Computer Technology C30100H1 Graphic Design C25590H3 Hardware and Software C25590H1 IOS Swift C25590H5 Network Defense C25590H8 Python Programming C25590H1 SAS Programming		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Computer Programming and Development Associate of Applied Science-Database Management Associate of Applied Science-Digital Media Technology Associate of Applied Systems Security & Analysis **Other Options:** Many IT areas require certifications for competitive pay.	Bachelor of Science-Computer Programming Bachelor of Science-Computer Engineering Bachelor of Science-Computer Science Bachelor of Science-Cybersecurity Bachelor of Science-Data Management Bachelor of Science-Information Technology Bachelor of Science-Information Technology & Security	$33,130-$68,520 **Four Year College Post-Graduate Salary Range:** $54,900-$106,170	Computer Applications Software Developer Computer Network Architect Computer Network Support Specialist Computer Systems Analyst Computer Support Specialist Cybersecurity Analyst Cybersecurity Engineer Database Administrator Information Security Analyst Network & Computer System Administrator Secure Operations Center Analyst Web Developer
Intracurricular Career and Technical Student Organizations: FBLA, TSA, SkillsUSA			

Public Safety and Service Career Cluster

Emergency Management Career Pathway (EMMG)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration TY40 Exploring Safety and Tools in the Trades		IP11 Public Safety I OR IP22 Emergency Medical Technology II OR IP32 Firefighter Technology II OR IP42 Law and Justice II	IP51 Emergency Management I	IP52 Emergency Management II OR WS12 CTE Advanced Studies MARKS OR WI12 CTE Internship MARKS OR WA12 CTE Apprenticeship MARKS OR CCS Fire Science Academy OR Academy of IB Careers -SVHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	HU40 Health Science I		
	High School Connections	C55180H1 Criminal Justice-Introduction C55180H3 Criminal Justice-Private Investigations & Loss Prevention		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Emergency Management Technology Associate of Applied Science-Emergency Medical Science Associate in Applied Science-Fire Protection Technology **Other Options:** Many Law, Public Safety, Corrections and Securities areas may require specific certifications to include Basic Law Enforcement Training.	Bachelor of Arts-Criminal Justice Bachelor of Science-Fire and Emergency Management Bachelor of Science-Disaster and Emergency Management	$23,360-$32,590 **Four Year College Post-Graduate Salary Range:** $35,250-$59,000	Criminal Investigator Detective EMT/Paramedic Fire Inspector/Investigator Forensic Science Technician Patrol Officer Police Officer

Intracurricular Career and Technical Student Organizations: SkillsUSA

Emergency Medical Technology Career Pathway (EMMT)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration TY40 Exploring Safety and Tools in the Trades		IP21 Emergency Medical Technology I	IP22 Emergency Medical Technology II	WS12 CTE Advanced Studies MARKS OR WI12 CTE Internship MARKS OR WA12 CTE Apprenticeship MARKS OR Academy of IB Careers -SVHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	IP11 Public Safety I IP51 Emergency Management I HU40 Health Science I		
	High School Connections	C55180H1 Criminal Justice-Introduction C55180H3 Criminal Justice-Private Investigations & Loss Prevention		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Emergency Management Technology Associate of Applied Science-Emergency Medical Science Associate in Applied Science-Fire Protection Technology **Other Options:** Many Law, Public Safety, Corrections and Securities areas may require specific certifications to include Basic Law Enforcement Training.	Bachelor of Arts-Criminal Justice Bachelor of Science-Fire and Emergency Management Bachelor of Science-Disaster and Emergency Management	$23,360-$32,590 **Four Year College Post-Graduate Salary Range:** $35,250-$59,000	Criminal Investigator Detective EMT/Paramedic Fire Inspector/Investigator Forensic Science Technician Patrol Officer Police Officer

Intracurricular Career and Technical Student Organizations: HOSA, SkillsUSA

Firefighter Technology Career Pathway (FIFI)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration TY40 Exploring Safety and Tools in the Trades		IP31 Firefighter Technology I	IP32 Firefighter Technology II	IP33 Firefighter Technology III OR IP51 Emergency Management I OR WS12 CTE Advanced Studies MARKS OR WI12 CTE Internship MARKS OR WA12 CTE Apprenticeship MARKS OR CCS Fire Science Academy
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management IP21 Emergency Medical Technology I IP22 Emergency Medical Technology II		
	Supplemental Technical Courses	IP11 Public Safety I		
	High School Connections	C55180H1 Criminal Justice-Introduction C55180H3 Criminal Justice-Private Investigations & Loss Prevention		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Emergency Management Technology Associate of Applied Science-Emergency Medical Science Associate in Applied Science-Fire Protection Technology **Other Options:** Many Law, Public Safety, Corrections and Securities areas may require specific certifications to include Basic Law Enforcement Training.	Bachelor of Arts-Criminal Justice Bachelor of Science-Fire and Emergency Management Bachelor of Science-Disaster and Emergency Management	$23,360-$32,590 **Four Year College Post-Graduate Salary Range:** $35,250-$59,000	Criminal Investigator Detective EMT/Paramedic Fire Inspector/Investigator Forensic Science Technician Patrol Officer Police Officer

Intracurricular Career and Technical Student Organizations: SkillsUSA

Law & Justice Career Pathway (LAWJ)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration TY40 Exploring Safety and Tools in the Trades		IP41 Law & Justice I	IP42 Law & Justice II	IP51 Emergency Management I OR WS12 CTE Advanced Studies MARKS OR WI12 CTE Internship MARKS OR WA12 CTE Apprenticeship MARKS OR CCS Fire Science Academy OR Academy of IB Careers -SVHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	IP11 Public Safety I		
	High School Connections	C55180H1 Criminal Justice-Introduction C55180H3 Criminal Justice-Private Investigations & Loss Prevention		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Emergency Management Technology Associate of Applied Science-Emergency Medical Science Associate in Applied Science-Fire Protection Technology **Other Options:** Many Law, Public Safety, Corrections and Securities areas may require specific certifications to include Basic Law Enforcement Training	Bachelor of Arts-Criminal Justice Bachelor of Science-Fire and Emergency Management Bachelor of Science-Disaster and Emergency Management	$23,360-$32,590 **Four Year College Post-Graduate Salary Range:** $35,250-$59,000	Criminal Investigator Detective EMT/Paramedic Fire Inspector/Investigator Forensic Science Technician Patrol Officer Police Officer

Intracurricular Career and Technical Student Organizations: SkillsUSA

Public Safety Career Pathway (PSPW)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration TY40 Exploring Safety and Tools in the Trades		IP11 Public Safety I	IP12 Public Safety II	WS12 CTE Advanced Studies MARKS OR WI12 CTE Internship MARKS OR WA12 CTE Apprenticeship MARKS OR CCS Fire Science Academy OR Academy of IB Careers -SVHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses			
	High School Connections	C55180H1 Criminal Justice-Introduction C55180H3 Criminal Justice-Private Investigations & Loss Prevention		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Emergency Management Technology Associate of Applied Science-Emergency Medical Science Associate in Applied Science-Fire Protection Technology **Other Options:** Many Law, Public Safety, Corrections and Securities areas may require specific certifications to include Basic Law Enforcement Training.	Bachelor of Arts-Criminal Justice Bachelor of Science-Fire and Emergency Management Bachelor of Science-Disaster and Emergency Management	$23,360-$32,590 **Four Year College Post-Graduate Salary Range:** $35,250-$59,000	Criminal Investigator Detective EMT/Paramedic Fire Inspector/Investigator Forensic Science Technician Patrol Officer Police Officer

Intracurricular Career and Technical Student Organizations: SkillsUSA

Junior Reserve Officers Training Corps (JROT)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY30 Career Exploration	9501 JROTC I	9502 JROTC II	9503 JROTC III	9504 JROTC IV 9505 JROTC V 9506 JROTC VI 9507 JROTC VII 9508 JROTC VIII
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CC11 Microsoft Excel		
	High School Connections	Network Defense Specialist C25590H5 Cisco Entry Networking Certificate C25590H9 Computer Science Transfer C25590HE Computer Technologies C25590H4		
Two Year College Major Options:	**Four Year College Major Options**	**Two Year College Post-Graduate Salary Range:**	**Careers:**	
Associate of Applied Science-Network Defense Associate of Applied Science-Computer Science Associate of Applied Science-Business Foundations Associate of Applied Science-Criminal Justice	Bachelor of Science-Networking Security Bachelor of Science-Computer Science Bachelor of Science-Business Administration Bachelor of Science-Criminal Justice	$29,810-$49,440 **Four Year College Post-Graduate Salary Range:** $55,490-$80,740	Military Government Administration Law Enforcement Network Defense Specialist	
Intracurricular Career and Technical Student Organizations: FBLA				

Advanced Manufacturing Career Cluster

Woodworking Career Pathway (WOWO)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		IM21 Woodworking I	IM22 Woodworking II	WS13 CTE Advanced Studies PSSA OR WI13 CTE Internship PSSA OR WA13 CTE Apprenticeship PSSA
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	GS11 Project Management I IM11 Advanced Manufacturing I		
	High School Connections	C50210H1 Basic Computer Integrated Machining C50420H1 Basic Welding Technology C40200H1 Electronics Engineering Technology C50240H1 Mechanical Maintenance		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Computer Integrated Machining Technology Associate of Applied Science-Electronics Engineering Technology Associate of Applied Science-Electrical Systems Technology Associate of Applied Science-Industrial Systems Technology Welding Diploma	Bachelor of Science-Electrical Engineering Bachelor of Science-Industrial Systems Engineering Bachelor of Science-Materials Science and Engineering Bachelor of Science-Textile Engineering	$26,140-$44,930 **Four Year College Post-Graduate Salary Range:** $37,910-$63,620	Electrical/Electronic Drafters Electrical Engineer Electrical/Electronic Engineering Technician Industrial Engineer Machine Tool Programmer Maintenance & Repair Worker Mechanic Textile Production Manager Tool & Die Maker

Intracurricular Career and Technical Student Organizations: SkillsUSA

Marketing Career Cluster

Marketing Management Career Pathway (MMGT)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BY10 Exploring Business and Entrepreneurship BY11 Exploring Economic Systems BY12 Exploring Business Activities BY13 Exploring Bus Procedures and Leadership EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		MM51 Marketing	MA52 Marketing Applications	WS14 CTE Advanced Studies SCTR OR WI14 CTE Internship SCTR OR WA14 CTE Apprenticeship SCTR
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	CD10 Adobe Visual Design I BF10 Business Essentials		
	High School Connections	C25620H1 Logistics and Distribution Management Foundations		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Business Administration: Marketing Associate of Applied Science-Supply Chain Management/Distribution Management Associate of Applied Science-Supply Chain Management/Global Logistics Technology	Bachelor of Science-Business Administration: Marketing Bachelor of Science-Business Administration: Marketing Management and Sales Bachelor of Science-Business Administration: Operations and Supply Chain Management	$26,640-$59,920 **Four Year College Post-Graduate Salary Range:** $39,810-133,190	Marketing Research Analyst Marketing Manager Property/Community Manager Public Relations Manager Public Relations Specialist Real Estate Agent Sales Manager Wholesale/Manufacturing Sales Representative

Intracurricular Career and Technical Student Organizations: DECA

Sales Career Pathway (PRSM)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
BY10 Exploring Business and Entrepreneurship BY11 Exploring Economic Systems BY12 Exploring Business Activities BY13 Exploring Bus Procedures and Leadership EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration		MI31 Sales I	MI32 Sales II	WS14 CTE Advanced Studies SCTR OR WI14 CTE Internship SCTR OR WA14 CTE Apprenticeship SCTR
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	BF10 Business Essentials MM51 Marketing		
	High School Connections	C25620H1 Logistics and Distribution Management Foundations		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate of Applied Science-Business Administration: Marketing Associate of Applied Science-Supply Chain Management/Distribution Management Associate of Applied Science-Supply Chain Management/Global Logistics Technology	Bachelor of Science-Business Administration: Marketing Bachelor of Science-Business Administration: Marketing Management and Sales Bachelor of Science-Business Administration: Operations and Supply Chain Management	$26,640-$59,920 **Four Year College Post-Graduate Salary Range:** $39,810-133,190	Marketing Research Analyst Marketing Manager Property/Community Manager Public Relations Manager Public Relations Specialist Real Estate Agent Sales Manager Wholesale/Manufacturing Sales Representative

Intracurricular Career and Technical Student Organizations: DECA

Science, Technology, Engineering & Mathematics Career Cluster

Drafting Engineering Career Pathway (DREN)

Middle Grades Exploration	Foundational Prerequisite	Prerequisite	Concentrator	Career Pathway Major
EY10 Expl Persn Characterist and Career EY11 Exploring Careers and Employment EY12 Exploring Financial Literacy EY30 Career Exploration TY40 Exploring Safety and Tools in the Trades		IC61 Drafting I	IV22 Drafting II – Engineering	IV23 Drafting III – Engineering OR WS15 CTE Advanced Studies STEM OR WI15 CTE Internship STEM OR WA15 CTE Apprenticeship STEM OR Academy of Engineering Technology-WOHS OR Academy of Integrated Systems Technology-JBHS
	Supplemental Career Employability Skills Courses	CC10 Microsoft Word and PowerPoint ED45 Career Management		
	Supplemental Technical Courses	GS11 Project Management I		
	High School Connections	C40140H1 Civil Engineering Technology C50240H1 Mechanical Maintenance		

Two Year College Major Options:	Four Year College Major Options	Two Year College Post-Graduate Salary Range:	Careers:
Associate in Engineering	Bachelor of Science-Applied Engineering Technology Bachelor of Science-Engineering (various concentrations) Bachelor of Science-Biology Bachelor of Science-Chemistry Bachelor of Science-Mathematics Bachelor of Science-Physics	$36,020-$52,380 **Four Year College Post-Graduate Salary Range:** $44,190-$108,440	Aerospace Engineer Biomedical Engineer Chemical Engineer Chemist Computer Hardware Engineer Electrical Engineer Electronics Engineer Environmental Scientist Geologist Geophysicist Geoscientist Geneticist Ocean Engineer Researcher

Intracurricular Career and Technical Student Organizations: SkillsUSA

Transportation, Distribution, & Logistics Career Cluster

Automotive Services Career Pathway (AUTO)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration
TY40 Exploring Safety and Tools in the Trades
TY56 Exploring Automotive Service</td><td>IT11 Automotive Service Fundamentals</td><td>IT16 Automotive Service I</td><td>IT17 Automotive Service II</td><td>IT18 Automotive Service III OR
WS16 CTE Advanced Studies TRAN OR
WI16 CTE Internship TRAN OR
WA16 CTE Apprenticeship TRAN</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">BF10 Business Essentials
GS11 Project Management I
MI31 Sales I</td></tr>
<tr><td>High School Connections</td><td colspan="3">C60130H1 Collision Repair & Refinishing
C25620H1 Logistics and Distribution Management
C60160H Maintenance, and Light Repair</td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Four Year College Post-Graduate Salary Range:</th><th colspan="2">Careers:</th></tr>
<tr><td>Associate of Applied Science-Automotive Technology
Diesel Engine Repair Diploma
Small Engine Repair Diploma
Other Options:
Many Automotive Service areas require certifications for competitive pay.</td><td>Bachelor of Science-Mechanical Engineering
Other Options:
Many Automotive Service areas require automotive industry certifications for competitive pay to include the National Institute for Automotive Service Excellence.</td><td>$53,693-$97,210</td><td colspan="2">Air Traffic Controller
Aircraft Mechanic/Service Technician
Automotive Body & Related Repairer
Auto Service Technician/Mechanic
Diesel Engine Specialist
Motorcycle Mechanic
Transport Distribution Manager</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: SkillsUSA</td></tr>
</table>

Collision Repair Career Pathway (COLL)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">EY10 Expl Persn Characterist and Career
EY11 Exploring Careers and Employment
EY12 Exploring Financial Literacy
EY30 Career Exploration
TY40 Exploring Safety and Tools in the Trades
TY56 Exploring Automotive Service</td><td>IT30 Collision Repair Fundamentals</td><td>IT31 Collision Repair I</td><td>IT32 Collision Repair II Non-Structural OR
IT33 Collision Repair II Refinishing</td><td>WS16 CTE Advanced Studies TRAN OR
WI16 CTE Internship TRAN OR
WA16 CTE Apprenticeship TRAN
Collision Repair - WOHS</td></tr>
<tr><td>Supplemental Career Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint
ED45 Career Management</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">GS11 Project Management I</td></tr>
<tr><td>High School Connections</td><td colspan="3">C60130H1 Collision Repair & Refinishing
C25620H1 Logistics and Distribution Management
C60160H Maintenance, and Light Repair</td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Four Year College Post-Graduate Salary Range:</th><th colspan="2">Careers:</th></tr>
<tr><td>Associate of Applied Science-Automotive Technology
Diesel Engine Repair Diploma
Small Engine Repair Diploma
Other Options:
Many Automotive Service areas require certifications for competitive pay.</td><td>Bachelor of Science-Mechanical Engineering
Other Options:
Many Automotive Service areas require automotive industry certifications for competitive pay to include the National Institute for Automotive Service Excellence.</td><td>$53,693-$97,210</td><td colspan="2">Air Traffic Controller
Aircraft Mechanic/Service Technician
Automotive Body & Related Repairer
Auto Service Technician/Mechanic
Diesel Engine Specialist
Motorcycle Mechanic
Transport Distribution Manager</td></tr>
</table>

Drone Technology Career Pathway (DRON)

<table>
<tr><th>Middle Grades Exploration</th><th>Foundational Prerequisite</th><th>Prerequisite</th><th>Concentrator</th><th>Career Pathway Major</th></tr>
<tr><td rowspan="4">EY10 Expl Persn Characterist and Career

EY11 Exploring Careers and Employment

EY12 Exploring Financial Literacy

EY30 Career Exploration

TY40 Exploring Safety and Tools in the Trades</td><td></td><td>ID11 Drone Technology I</td><td>ID12 Drone Technology II</td><td>WS16 CTE Advanced Studies TRAN OR

WA16 CTE Apprenticeship TRAN OR

WI16 CTE Internship TRAN</td></tr>
<tr><td>Supplemental Employability Skills Courses</td><td colspan="3">CC10 Microsoft Word and PowerPoint

ED45 Career Management

OI00 IB Personal and Professional Skills</td></tr>
<tr><td>Supplemental Technical Courses</td><td colspan="3">BP14 Python Programming I
ID10 Drone Technology Fundamentals</td></tr>
<tr><td>High School Connections</td><td colspan="3">Approved Career & College Promise Career Technical Education Pathway</td></tr>
<tr><th>Two Year College Major Options:</th><th>Four Year College Major Options</th><th>Four Year College Post-Graduate Salary Range:</th><th colspan="2">Careers:</th></tr>
<tr><td>Associate of Applied Science Other Options: Required FAA Certifications</td><td>Other Options:

STEM Related Degree FAA Certification Required</td><td>$30,000-$84,520</td><td colspan="2">Air Traffic Controller

Aircraft Mechanics/Service

Technician Drone

Technician Drone Repair

Technician Logistics

Technician Survey

Technician Transport

Distribution Manager

UAV Drone Technician</td></tr>
<tr><td colspan="5">Intracurricular Career and Technical Student Organizations: SkillsUSA</td></tr>
</table>

Choice Program

Cumberland County Schools of Choice Program

The following School of Choice programs are available for high school students. Click the Academy name to go to Academy specific course descriptions.

- Students can attend programs outside their assigned school.
- Admission is by application only.
- Transportation is generally the responsibility of the parent or guardian.
- Students may participate in athletics at their home school if attending a high school that does not have an athletics program.

Cross Creek Early College High School

Cross Creek Early College High School is located on the campus of Fayetteville State University. Candidates for this high school are first-year freshmen or sophomores based on vacancies, and generally First-Generation College bound students. The mission of the school is to provide an academic environment that fosters growth and success by developing relationships, responsibility, and respect through relevant and rigorous coursework. Community Service hours are an integral part of the early college experience.

The curriculum focus is English, math, science, social studies honors level, and AVID (Advancement via Individual Determination) to prepare students for college level coursework. Students who complete the four-year high school experience at Cross Creek will participate in experiential learning projects, university experience, and potentially earn up to 60 hours of college credit tuition free.

Cumberland Academy 6-12

Cumberland Academy 6-12 is a premier, fully virtual school within CCS. The fully functioning virtual school is designed to provide students and their families with an alternative learning option using online, engaging, and interactive course content. Students take the same curricular courses as the district's traditional schools. The program emphasizes communication, collaboration, and creativity and is designed for all motivated students who maintain high standards in academics and attendance. The Virtual Academy encourages flexibility; middle school students have asynchronous learning time embedded in their instructional time. The school's mission is to provide a safe, positive, rigorous virtual learning environment. Students at Cumberland Academy 6-12 participate in community service projects throughout the year.

Cumberland Academy 6-12 students may participate in athletics at their home schools.

Cumberland International Early College High School

The goal of *Cumberland International Early College High* School is to graduate globally competent students who are prepared to communicate, collaborate, and compete locally, nationally, and internationally. This school is located at Fayetteville State University. Candidates for this high school are first-year freshmen or sophomores. The mission of the school is to provide a smaller academic global learning environment that fosters growth and success by developing relationships, responsibility, and respect through relevant and rigorous math, English, social studies and science courses through project-based learning with an added required support class called

AVID (Advancement via Individual Determination). Students are also required to take a World Language (Mandarin Chinese, Spanish, or Arabic). Students who complete this four-year high school experience at Cumberland International will participate in Global Learning Service Projects, community service, communication with learners worldwide, and have the opportunity to earn up to 60 credit hours of college tuition free.

Cumberland Polytechnic High School

Cumberland Polytechnic High School, located on the Fayetteville Technical Community College campus, offers a full range of high school courses leading to a high school diploma and at the same time afford all our students the opportunity to experience college life, earning college credits, in a small more personalized learning environment. The focus is building an educational foundation (certificate and/or associate degree) toward a future in one of the following eight career pathways: Finance, Transportation, Distribution & Logistics, Information Technology, Manufacturing, Human Services, Education & Training, Business Management & Administration, and Health Sciences. Through the cooperative innovative high school model, the curriculum incorporates rigorous coursework, project-based learning, and community service projects.

Douglas Byrd High School - Academy of Finance

The *Academy of Finance at Douglas Byrd High School* offers students the unique opportunity to gain specialized preparation in the field of finance while they complete their core curriculum. Affiliated with and administered by the National Academy Foundation, based in New York City, this program is designed to facilitate the transition from high school to more advanced training and eventually a career in the financial services industry.

Academy students, during their junior and senior years, complete in depth, specialized courses in finance both in high school and at local colleges, a paid internship, and a variety of enrichment activities. Students who complete all program requirements will receive a Certificate of Financial Studies in addition to their high school diploma.

Douglas Byrd High School - Academy of Green Technology

The *Academy of Green Technology at Douglas Byrd High School* offers students the opportunity to build an educational foundation for a future career in alternative energy and sustainability. It provides opportunities for students to learn science, math, technology, and communication skills in real-life contexts with hands-on green technology and sustainability curriculum. Students take specialized high school and community college courses and work with local business partners to develop problem-solving skills and will have the opportunity to earn certification as Solar PV Installers and Residential Energy Auditors.

Douglas Byrd High School - Teaching Pathway

The *Teaching Pathway at Douglas Byrd High School* offers students the opportunity to high school students with strong interpersonal and leadership skills to discover teaching as a career pathway. Students will explore the role of the teacher and provide real-world field experiences designed to connect theory and practice of the teaching profession. This pathway offers articulated college credit at the following universities: Appalachian State University, Catawba College, Meredith College, North Carolina Agricultural and Technical State University, University of North Carolina-Charlotte, University of North Carolina-Greensboro, University of North Carolina at Pembroke, University of North Carolina-Wilmington, and Western Carolina University.

E. E. Smith High School-Cumberland County Schools Fire Academy

The *Cumberland County Schools Fire Academy at E. E. Smith High School* is in partnership with the City of Fayetteville Fire Department, Fayetteville Technical Community College, and Fayetteville State University to prepare students for a rewarding career as a professional firefighter. Upon completion of the Academy courses, students may receive North Carolina Firefighter I and II certification.

E.E. Smith High School - STEAM Academy

The E.E. Smith High STEAM Academy will provide a focused curriculum around science, technology, engineering, the arts, and mathematics. Each STEAM pathway will allow students to maximize their full potential and engage in meaningful learning experiences. Students will demonstrate their learning through ample project-based learning experiences, real-world field trips, and internship opportunities while earning advanced and dual credit for many courses in our accelerated learning environment.

Massey Hill Classical High School

Massey Hill Classical High School provides a classical education in a college preparatory environment that emphasizes academics, the arts, and the development of character, school pride, and civic responsibility. Students are enrolled in a rigorous course of study and must take courses in English, World Language, Mathematics, Science, and Social Studies. Participation in and appreciation for the arts are part of the academic expectations through a variety of course offerings and enrichment activities. Students are required to participate in Socratic Seminars and to perform community service throughout the school year.

Pine Forest High School - Academy of Information Technology

The *Academy of Information Technology at Pine Forest High School* presents a challenging academic and technical curriculum through a combination of high school and community college classes that prepare students for employment and/or post-secondary education in the field of information technology. This small learning community provides a program of study in computer engineering, software installation, computer hardware maintenance, networking, computer security, web design, computer programming, and simulation and gaming design to introduce students to the broad career opportunities in the information technology industry and build a foundation of skills necessary for this evolving career.

Reid Ross Year-Round Classical High School

Reid Ross Year-Round Classical High School will provide a traditional education in a structured environment that emphasizes academics, the arts, and the development of character, school pride, and civic responsibility. Students are enrolled in a rigorous course of study and must take courses in English, Foreign Language, Mathematics, Science, and Social Studies every year. Participation in and appreciation for the arts are encouraged through a variety of course offerings and enrichment activities. In addition, the year-round feature will encourage a continuity of learning with inter-sessions that feature both enrichment and acceleration of learning. Uniforms are mandatory.

Seventy-First High School - Academy of Arts Education

As an integral part of a strong academic program, the *Academy of Arts Education at Seventy-First High School* challenges both the intellectual and aesthetic capabilities of students. Students engage in a rigorous course of arts study that broadens creative interest, develops artistic skills and abilities, and promotes physical, intellectual, emotional and social growth. The Academy of Arts Education provides a framework for students to explore and to develop their artistic abilities, to participate in integrated learning experiences, and to develop skills in critical and creative thinking, problem recognition/problem solving, and teamwork. In addition to developing their own artistic abilities, students focus on enhancing their knowledge, understanding, and appreciation of the arts through the study of a variety of world cultures, historical periods, and contemporary styles and trends.

Students enrolled in the Academy of Arts Education must complete at least one arts class per year over a four-year period in one of the following arts disciplines: Band, Chorus, Dance, Orchestra, Theatre, or Visual Arts.

South View High School - International Baccalaureate Academy

The International Baccalaureate (IB) is a global leader in international education—developing inquiring, knowledgeable, confident, and caring young people. Our programs empower school-aged students to take ownership of their own learning and help them develop future-ready skills to make a difference and thrive in an ever-changing global society. The IB authorizes the International Baccalaureate Academy at South View High School to offer the IB Diploma Program and the IB Career Path Program. The NC Department of Public Instruction pays all IB registration and exam fees.

International Baccalaureate Diploma Program (IB DP)

The International Baccalaureate Diploma Program is an internationally accredited college preparatory program with a rigorous four-year curriculum. Students take carefully chosen prerequisite honor and AP courses in their freshman and sophomore years in order to prepare them for the prescribed IB DP curriculum during their junior and senior years. Upperclassmen are prepared for IB international examinations that may earn student's college credit. More than 1.2 million students worldwide have graduated from the DP. IB DP students reflect diverse experiences and perspectives and attend IB World Schools in 147 countries, representing an even broader range of nationalities.

The IB Diploma Program at South View:

- has highly specialized IB-trained teachers who guide students through the program with a guidance counselor and academy director in a dedicated wing of the school. This allows for a more personalized and supported academic experience where students feel confident that their needs are met
- consistently scores higher than the North Carolina and world averages on IB Assessments. Our students' scores are accepted at all UNC schools, with students often earning a semester or more of college credit
- has a 100% college acceptance rate, including UNC Chapel Hill and NC State. We often have students attend Ivy League schools and state and local institutions.

Career-related Program

The CP is a framework of international education that incorporates the values of the IB into a unique program addressing the needs of students engaged in career-related education. The program leads to further/higher education, apprenticeships, or employment. The Career Path program allows students to explore fields in business, health science, law, and public safety pathways both on campus and at Fayetteville Technical Community College. They also undertake a minimum of two IB Diploma Program (DP) courses and complete the

four components of the CP core: Personal and Professional Skills, Reflective Project, Service Learning, and Language Development Project. A key feature of the CP is that it provides flexibility to allow for local differences. Each school creates its own distinctive version of the CP to meet its students' needs, backgrounds, and contexts.

- Prepares students for a four-year university, two-year college/technical school, or the workforce.
- Provides opportunities to earn college credits and certifications from Fayetteville Technical Community College.
- Opportunities for college credit also exist as students take two DP courses.

Terry Sanford High School - Academy of Global Studies

The *Academy of Global Studies at Terry Sanford High School* offers students a rigorous college preparatory curriculum. The Global Studies program is recognized as an AP Capstone™ program which offers an innovative and engaging college-level program for high school students that complements and enhances discipline-specific AP courses. It is built on two new courses—AP® Seminar and AP Research—that immerse students in the practice of critical skills needed to distinguish themselves in college and life. AP Capstone is the pinnacle of the high school experience, encouraging a passion for learning and transforming students into curious, collaborative, and independent thinkers with skills that are valued and sought after by colleges and universities. Global Studies fosters critical and creative thinking, argumentation, and research skills at the core of college readiness and essential for lifelong learning. The program emphasizes global awareness and is designed for all motivated students who maintain set academic, behavioral, and attendance standards.

Westover High School - Academy of Engineering Technologies

The *Academy of Engineering Technologies at Westover High School* offers a comprehensive and intensive pre-professional and pre-technical secondary program through Project Lead the Way (PLTW). PLTW is a non-profit organization partnering with public schools, organizations in the private sector, and higher education institutions to increase the quantity of engineers graduating from our educational system. PLTW has developed a four-year sequence of courses, which when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. The courses are Introduction to Engineering Design, Digital Electronics, Principles of Engineering, Computer Integrated Manufacturing, Engineering Design and Development, and Civil Engineering and Architecture. At the end of all courses except Engineering Design and Development, students who score between a 6-9 stanine score on the end of course assessment, are eligible for college credit at over 55 colleges and universities. For more information go to www.pltw.org.

Westover High School - Academy of Health Sciences and Technology

The *Academy of Health Sciences and Technology at Westover High School* offers a curriculum that combines both academic rigor and technical competencies essential to the pursuit of a successful health career through Project Lead the Way (PLTW). PLTW is a non-profit organization partnering with public schools, organizations in the private sector, and higher education institutions to increase the quantity and quality of healthcare professionals graduating from our educational system. The PLTW Biomedical Sciences curriculum engages high school students in problems related to the human body, cell biology, genetics, disease, and other biomedical topics in a sequence of four courses. The courses are Principles of Biomedical Science, Human Body Systems, Medical Interventions and Biomedical Innovations. At the end of all courses except Biomedical Innovations, students who score between a 6-9 stanine score on the end of course assessment, are eligible for college credit at over 11 colleges and universities. For more information go to www.pltw.org.

During the senior year, students will have the opportunity to participate in an internship at Womack Army Medical Center or a mentorship with an approved healthcare provider. A variety of enrichment activities are

offered through Southern Regional Area Health Education Center and Health Occupations Students of America. Students are offered certification in CPR/First Aid, Vision Screening, and Certified Nurse Aide.

Westover High School - Automotive Body Repair Career Pathway

This pathway offers students up-to-date training across several key roles in the automotive body repair industry. Students will gain an understanding of the safety, tools, and equipment used in automotive body repair to include non-structural repairs and refinishing. The courses in this pathway include: Automotive Body Repair I, Automotive Body Repair II, Automotive Body Repair III (Non-Structural) and Automotive Body Repair III (Refinishing & Plastic Repair). Students will be afforded the opportunity to earn industry-recognized credentials from I-CAR (Inter-Industry Conference on Auto Collision Repair).

North Carolina Statewide High School to Community College Career and Technical Education (CTE) Articulation Agreement

Approved by the State Board of Community Colleges on May 16, 2025

High School Course	Community College Course(s)	Aligned with Industry Credential
BA10 Accounting I	ACC-115 College Accounting	Intuit Certified Bookkeeping Professional
BA20 Accounting II	ACC-115 College Accounting OR ACC-150 Accounting Software Applications	QuickBooks Online Certified User
CC10 Microsoft Word and PowerPoint	OST-136 Word Processing	Microsoft Office Specialist PowerPoint AND Microsoft Office Specialist Word
CC11 Microsoft Excel	CTS-130 Spreadsheet AND CTS-230 Advanced Spreadsheets	Microsoft Office Specialist Excel or Microsoft Office Specialist Excel Expert
CI20 Network Administration I AND CI21 Network Administration II	NET-110 Networking Concepts	CompTIA Network+ N10-009
CS10 Introduction to Computer Science	CSC-119 Programming Orientation	N/A
CS20 Computer Science I AND CS21 Computer Science II	CSC-120 Computer Fundamentals I OR CSC-143 Object-Oriented Programming	N/A
CI30 Cybersecurity I AND CI31 Cybersecurity II	SEC -110 Security Concepts	CI00: N/A CI01: CompTIA Security+
CP10 Python Programming I AND CP11 Python Programming II	CSC-121 Python Programming	CP10: PCEP - Certified Entry-level Python Programmer CP11: PCAP Certified Associate in Python Programming
CS30 Introduction to Data Science AND CS31 SAS Base Programming	CSC-152 SAS	SAS Base Programming Specialist
CD10 Adobe Visual Design I	GRD-151 Computer Design Basics OR DME-110 Intro to Media Technology	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator AND Adobe Certified Professional - Visual Design Using Adobe Photoshop
CD11 Adobe Visual Design II	GRD-141 Graphic Design I OR DME-115 Graphic Design Tools	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
CD12 Adobe Digital Design	WEB-110 Web Development Fundamentals	Adobe Certified Professionals. Web Authorizing Using Adobe Dreamweaver
CD12 Adobe Digital Design	GRD-188 Graphic Design for the Web I	Adobe Certified Professionals. Web Authorizing Using Adobe Dreamweaver
CD14 Adobe Video Design I	DME-140 Intro to Audio/Video Media	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
CD20 3D Modeling and Animation I AND CD21 3D Modeling and Animation II	SGD-114 3D Modeling I	CD21: Autodesk Certified User 3DS Max OR Autodesk Certified User Maya
CD20 3D Modeling and Animation I AND CD30 Game Art and Design I	SGD-111 Introduction to SGD	N/A
CI01 Computer Engineering Technology I AND CI02 Computer Engineering Technology II	CET-111 Computer Upgrade/Repair I AND CTS-120 Hardware/Software Support OR CTI-130 OS and Device Foundations	CI01: CompTIA A+ (Core 1) CI02: CompTIA A+ (Core 2)
CI10 Cisco Network Engineering Technology I AND CI11 Cisco Network Engineering Technology II	NET-125 Introduction to Networks AND NET-126 Switching and Routing AND NET-225 Enterprise Networking	CI11: Cisco Certified Support Technician (CCST) Networking
ME11 Entrepreneurship I	BUS-139 Entrepreneurship I OR ETR-210 Introduction to Entrepreneurship	Venture Entrepreneurial Expedition
MI31 Sales I	MKT-123 Fundamentals of Selling	N/A

High School Course	Community College Course(s)	Aligned with Industry Credential
MM51 Marketing I	MKT-120 Principles of Marketing	CIW Social Media Strategist
FC14 Counseling and Mental Health II	HSE-120 Interpersonal Relations	Pre-Professional Assessment and Certification in Family and Community Services;
FE11 Early Childhood Education I	EDU-119 Introduction to Early Childhood Education	First Aid/CPR/AED; North Carolina Early Childcare Credential Equivalency
FE12 Early Childhood Education II	EDU-151 Creative Activities	N/A
FH10 Culinary Arts and Hospitality I AND FH11 Culinary Arts and Hospitality II Applications OR FH12 Culinary Arts and Hospitality II Internship AND FH13 Culinary Arts and Hospitality III	CUL-140 Culinary Skills I OR CUL-142 Fundamentals of Food	FH10: N/A FH11: ANSI-Accredited Food Protection Manager Certification FH12: ANSI-Accredited Food Protection Manager Certification FH13: Certified Fundamentals Cook (CFC) OR Pre-Professional Certification in Culinary Arts OR ProStart National Certificate of Achievement (COA)
FN41 Food and Nutrition I AND FN42 Food and Nutrition II	CUL-112 Nutrition for Food Service AND CUL-112 A Nutrition for Food Service Lab	FN41: ANSI-Accredited Food Handler Certificate FN42: ANSI-Accredited Food Protection Manager Certification Pre-Professional Certification in Nutrition, Food, and Wellness
FN41 Food and Nutrition I AND FN42 Food and Nutrition II OR FH10 Culinary Arts and Hospitality I AND FH11 Culinary Arts and Hospitality II AND FH12 Culinary Arts and Hospitality II Internship	CUL-110 Safety and Sanitation AND CUL-110A Safety and Sanitation Lab	FN41: ANSI-Accredited Food Handler Certificate FN42: ANSI-Accredited Food Protection Manager Certification Pre-Professional Certification in Nutrition, Food, and Wellness FH10: N/A FH11: ANSI-Accredited Food Protection Manager Certification FH12: ANSI-Accredited Food Protection Manager Certification
FN43 Food Science and Technology	CUL-150 Food Science AND CUL-150 A Food Science Lab	AMSA Food Safety and Science Certification Pre-Professional Certification in Food Science Fundamentals
FI23 Interior Design Technology	ARC-225 Architectural Building Information Modeling I AND ARC-225A Lab	Autodesk Certified User in Revit for Architectural Design
HH32 Pharmacy Technology	PHM-165 Pharmacy Prof Practice	CPhT Certified Pharmacy Technician
HN43 Nursing Fundamentals and Practicum	NAS-101 Nurse Aide 1	NC Nurse Aide I (Certified Nursing Assistant)
IP22 Emergency Medical Technology	EMS-110 Emergency Medical Technician	Emergency Medical Technician Traffic Incident Management (TIMS)
IC00 Core and Sustainable Construction and IC11 Masonry I AND IC12 Masonry II	MAS-110 Masonry I	IC11: NC NCCER - Masonry I OSHA 10-hour Construction Safety and Health IC12: NC NCCER - Masonry II
IC00 Core and Sustainable Construction AND IC21 Carpentry I	CAR-110 Intro to Carpentry OR WOL-110 Basic Construction Skills OR CST-110 Intro to Construction	IC00: NC NCCER - Construction Core, IC21: NC NCCER - Carpentry I
IC00 Core and Sustainable Construction, IC41 Electrical Trades I, AND IC42 Electrical Trades II	ELC-113 Residential Wiring	IC00: NC NCCER - Construction Core OSHA 10-hour Construction Safety and Health IC41: NC NCCER - Electrical Trades I IC42: NC NCCER - Electrical Trades II
IC13 Masonry III	MAS-110 Masonry I	NC NCCER - Masonry III
IC21 Carpentry I AND IC22 Carpentry II	ARC-112 Construction Materials and Methods	IC21: NC NCCER - Carpentry I IC22: NC NCCER - Carpentry II
IC61 Drafting I	DFT-111 Technical Drafting I AND DFT-111A Technical Drafting Lab	Autodesk Certified User AutoCAD
IC61 Drafting I AND IC62 Drafting II - Architectural	DFT-115 Architectural Drafting OR DFT-119 Basic CAD OR ARC-114 Architectural CAD	IC61: Autodesk Certified User AutoCAD IC62: Autodesk Certified User in Revit for Architectural Design

High School Course	Community College Course(s)	Aligned with Industry Credential
IC61 Drafting I AND IV22 Drafting II - Engineering	DFT-151 CAD I	IC61: Autodesk Certified User AutoCAD IV22: Autodesk Certified User in Inventor for Mechanical Design OR SolidWorks CAD Design Associate (CSWA) OR Autodesk Certified User Fusion 360
IM21 Woodworking I AND IM22 Woodworking II	CAB-111 Cabinetmaking I	IM21: OSHA 10-Hour Construction Industry Certification, IM22: Woodwork Career Alliance (WCA) Sawblade Certificate
IM41 Metals Manufacturing Technology I AND IM42 Metals Manufacturing Technology II	BPR-111 Blueprint Reading AND MAC-111 Machining Technology I AND MAC-151 Machining Calculations	IM41: NIMS Measurement, Materials, and Safety IM42: NIMS Job Planning, Benchwork, and Layout
IM61 Welding Technology I	WLD-110 Cutting Processes	AWS SENSE Entry Welder Program - Thermal Cutting Process OSHA 10-hour Construction Safety and Health OR S/P2 - Welding
IM61 Welding Technology I AND IM62 Welding Technology II	WLD-110 Cutting Processes AND WLD-115 SMAW (Stick) Plate	IM61: AWS SENSE Entry Welder Program - Thermal Cutting Process OSHA 10-hour Construction Safety and Health OR S/P2 - Welding IM62: AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process OR Certified Welder per Welding Code AWS D1.1 (SMAW)
IM63 Welding Technology III	WLD-121 GMAW (MIG) FCAW/Plate OR WLD-123 FCAW Plate	AWS SENSE Entry Welder Program - Flux Cored Arc Welding Process AND AWS SENSE Entry Welder Program - Gas Metal Arc Welding Process OR Certified Welder per Welding Code AWS D1.1 (FCAW) AND Certified Welder per Welding Code AWS D1.1 (GMAW)
IT11 Automotive Service Fundamentals	TRN-110 Introduction to Transportation Technologies	Automotive Lift Institute - Lifting It Right: School Edition S/P2 Automotive Service Pollution Prevention S/P2 Automotive Service Safety
IT16 Automotive Service I AND IT17 Automotive Service II AND IT18 Automotive Service III, must complete MLR Task List	TRN-111 Chassis Maint/Light Repair AND TRN-112 Powertrain Maint/Light Repair AND AUT-113 Automotive Servicing I	IT17: ASE Entry-Level Certification - Maintenance and Light Repair IT18: ASE Entry-Level Certification - Electrical/Electronic Systems
IT30 Collision Repair Fundamentals	TRN-110 Introduction to Transportation Technologies	S/P2 Collision Repair and Refinish - Pollution Prevention S/P2 Collision Repair and Refinish Safety
IT30 Collision Repair Fundamentals AND IT31 Collision Repair I AND IT32 Collision Repair II-Non-structural	AUB-121 Non-structural Damage	IT32: I-CAR Platinum ProLevel 1 for Non-Structural
IT30 Collision Repair Fundamentals AND IT31 Collision Repair I AND IT33 Collision Repair II - Refinishing	AUB-111 Painting and Refinishing I	T33: ASE Entry-Level Certification - Painting and Refinishing OR I-CAR Platinum ProLevel 1 for Refinishing
AA22 Animal Science II - Food Animal	ANS-110 Animal Science	North Carolina Beef Quality Assurance
AA41 Veterinary Assisting	VET-114 Intro to Vet Med Tech	Elanco Veterinary Medical Applications Certification OR Certified Veterinary Assistant
AN53 Natural Resources II - Forestry	FOR-171 Intro to Forest Resources	Certified Forest Worker
AP41 Horticulture I - Introduction to Plants	HOR-150 Introduction to Horticulture	N/A
AP42 Horticulture II - Plant Production	HOR-152 Agribusiness Technology	N/A
AP42 Horticulture II - Plant Production	HOR-168 Plant Propagation	N/A

High School Course	Community College Course(s)	Aligned with Industry Credential
AP44 Horticulture II - Landscape Construction	HOR-110 Intro to Landscaping OR LSG-111 Basic Landscaping Tech. OR HOR-114 Landscape Construction	Future Plant Professional
AS32 Agriculture Mechanics II	WLD-112 Basic Welding Processes	Certified Welder per Welding Code AWS D1.1 (FCAW) AND Certified Welder per Welding Code AWS D1.1 (GMAW)
AS32 Agriculture Mechanics II	TRN-180 Basic Welding for Transportation	AS31: OSHA 10-hour General Industry Safety and Health AS32: Certified Welders per Welding Code AWS D1.1 AS32: National Safe Tractor and Machinery Operation Certification
AU21 Sustainable Agriculture Production I AND AU22 Sustainable Agriculture Production II	AGR-139 Intro to Sustainable Ag	AU22: Certified Beekeeper

Students planning to attend a North Carolina community college other than Fayetteville Technical Community College must meet the criteria under the North Carolina state-wide agreement. Students may need to provide proof of credential completion and validation. Students will need to enroll in the corresponding program within two years of high school graduation.

High School Connections at Fayetteville Technical Community College

2026-2027

In accordance with Policy 3101, in its effort to provide a rigorous expanded curriculum that will adequately prepare students for future educational and workplace endeavors, the Cumberland County Schools Board of Education will support high school students' participation in the North Carolina Career and College Promise. Principals shall award dual credit according to NC State Board Policy and the NC College and Career Promise Guidelines.

Note: Not all college credits are calculated or weighted into the high school academic grade point average. This opportunity highlights advanced learning in post-secondary programs.

North Carolina's Career and College Promise program provides seamless dual enrollment educational opportunities for eligible high school students to accelerate completion of college certificates, diplomas, and associate degrees that lead to college transfer or provide entry-level job skills. There are two pathways in which an eligible high school student can enroll:

1. College Transfer Pathways
2. Career and Technical Education Pathways

College Transfer Pathways

The College Transfer Pathways are designed for eligible students who wish to begin earning tuition free college credit towards a baccalaureate degree. FTCC offers multiple college transfer pathways for students who wish to begin studies in Arts, Fine Arts, Sciences, Engineering, Nursing, and Teacher Preparation. Students may be enrolled in **one** College Transfer Pathway. For more information about these pathways, visit: https://www.faytechcc.edu/academics/high-school-connectionssc/college-transfer-pathways/.

Career and Technical Education Pathways

Career and Technical Education (CTE) Pathways are programs of study to provide expanded opportunities for eligible high school students to participate in Career and Technical Education tuition free courses and to expose students to a variety of high-skill career options. CTE Pathways lead to certificates aligned with one of the 16 National Career Clusters also recognized in Cumberland County Schools. For more information about these pathways, visit: https://www.faytechcc.edu/academics/high-school-connectionssc/career-technical-education-pathways/.

General Policies, Eligibility Guidelines, and Application Process

1. The pathway selected must be aligned with the student's course of study.

2. Students must meet all pathway eligibility criteria for the selected pathway as well as continued eligibility to continue program participation.

3. Students must register through their high school with all applicable school level approvals.

4. The student should be enrolled for at least 50% of the instructional day and progressing toward graduation at the high school. Additional criteria may apply to student athletes for North Carolina High School Athletic Association participation rules.

5. Tuition is free. **The student is responsible for textbook and supply costs**. Supply costs may include the costs associated with a required uniform, tools, kits, and other equipment. Parents and students are strongly encouraged to review textbook and supply costs *prior* to enrolling in programs. High School Connections offers a Resource Fund each semester that students may apply for to help offset the costs of textbooks and supply costs. Students are encouraged to speak with High School Connections Career Coach or school counselor for Resource Fund information.

6. Many classes are composed of high school students and follow the Cumberland County Schools calendar, inclement weather and bus schedules.

7. Other classes are available and follow the FTCC calendar and do not observe the CCS calendar, inclement weather or bus schedules. https://www.faytechcc.edu/campus-life/academic-calendar/

8. Classes are offered on FTCC's campus (es), online, and at select high schools. Transportation shuttle services may be offered by CCS from many of the high schools from 12:00 pm to 3:00 pm.

9. Students will use **Canvas** as the Learning Management System at FTCC along with a separate FTCC email address and other required technology.

10. Students who successfully complete a Career & Technical Education certificate program with a **minimum 2.0 FTCC GPA** will be eligible to participate in the FTCC spring commencement ceremony.

11. College courses are reflected on the high school transcript. Per state board policy, 1-2 college semester hours=0 high school credit; 3-4 college semester hours=1 high school credit; 5-8 college semester hours=2 high school credits; 9 or more college semester hours=3 high school credits. College courses recognized on the NC Universal General Education Transfer Component Agreement may have additional weighted value on the high school transcript.

12. The FTCC High School Connections Office is located in the Tony Rand Student Center at the Fayetteville Campus. Call 910-678-8583 or email hsc@faytechcc.edu. FTCC course descriptions may be found by visiting: http://forms2.faytechcc.edu/course-descriptions/index.asp.

College Transfer Pathways

An unweighted GPA of 2.8 is required for all College Transfer Pathway courses.

Associates in Arts

The CCP College Transfer Pathway Leading to the Associate in Arts is designed for high school students who wish to begin studying toward the Associate in Arts degree and a baccalaureate degree in a non-STEM major.

Associates in Engineering

The College Transfer Pathway (CCP) leading to the Associate in Engineering is designed for high school students who wish to begin study toward the Associate in Engineering degree and a baccalaureate degree in a STEM or technical major.

Associate Degree Nursing

The Career and College Promise (CCP) ADN Pathway is designed for high school students who wish to begin their educational studies toward the Associate in Nursing degree and a Baccalaureate degree in Nursing.

Associate in Science

The CCP College Transfer Pathway Leading to the Associate in Science is designed for high school students who wish to begin studying toward the Associate in Science degree and a baccalaureate degree in a STEM or technical major.

Associate in Fine Arts in Music

The CCP College Transfer Pathway Leading to the Associate in Fine Arts in Music is designed for high school students who wish to begin study toward the Associate in Fine Arts in Music and a baccalaureate degree in Music.

Associate in Arts in Teacher Preparation

The CCP College Transfer Pathway Leading to the Associate in Arts in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Arts in Teacher Preparation degree and a baccalaureate degree in teaching in a non-STEM major.

Associate in Science in Teacher Preparation

The CCP College Transfer Pathway Leading to the Associate in Science in Teacher Preparation is designed for high school students who wish to begin study toward the Associate in Science in Teacher Preparation degree and a baccalaureate degree in teaching in a STEM or technical major.

Career & Technical Education Pathways

LEGEND:

+ = Some CTE pathways may include college transfer courses. The + beside high school credit indicates one additional quality point value for the course. The S beside high school credit indicates one standard quality point value for the course.

^ = Some high school courses may articulate to the community college.

***** = Course prerequisites apply which may include a minimum grade point average or college ready assessments.

~ = Course falls outside of traditional (12pm-3pm) bus shuttle time. Families will need to arrange additional transportation.

Note: The complete FTCC course catalog with course descriptions may be found by visiting the FTCC Course Descriptions link here. Use the dropdown menu to search.

BUILDING AND MOVING

Advanced Manufacturing Cluster

Civil Engineering C40140H1

Note: Concurrently enrollment only. SRV110 is only available in the morning.

The Civil Engineering Technology curriculum prepares students to use basic engineering principles and technical skills to carry out planning, documenting and supervising tasks in sustainable land development and public works and facilities projects. Coursework includes instruction in the communication and computational skills required for materials testing, structural testing, field and laboratory testing, site analysis, estimating, project management, plan preparation, hydraulics, environmental technology and surveying.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CEG151	CAD for Engineering Technology	3	1S
	SRV110	Surveying I ~	4	1S
Spring	CEG111	Intro to GIS and GNSS	4	1S
	EGR115 ^	Intro to Technology	3	1S

Computer-Integrated Machining-Basic C50210H1

Note: Concurrent enrollment only. Only available in the morning.

Basic Computer-Integrated Machining is designed to develop fundamental skills in the operation of machine tools including drilling, turning, milling, and grinding. Training in basic measuring, layout, and blueprint reading is also provided. Students will be prepared for employment as entry-level machine operators or machinist apprentices.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	MAC111	Machining Technology I ~	6	2S
	MAC131	Blueprint Reading/Mach I ~	2	0
	MAC151	Machining Calculations ~	2	0
Spring	MAC112	Machining Technology II ~	5	2S

Mechanical Maintenance Basic C50240H1

Note: MNT230 only available in the morning.

This certificate program instructs students in theory and the skills training needed for inspecting, testing, troubleshooting, and diagnosing mechanical systems.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	MEC130	Mechanisms	3	1S
	WLD131	GTAW (TIG) Plate	4	1S
Spring	ISC112	Industry Safety	2	0
	MAC141	Machining Applications I	4	1S
	MNT230	Pumps & Piping Systems ~	2	0

Construction Cluster

A/C, Heating, & Refrigeration-Basic C35100H1

Basic A/C, Heating & Refrigeration is designed to prepare individuals for entry-level positions in the air conditioning, heating & refrigeration field. Courses include basic hands-on training in the installation, maintenance and repair of residential heating and air conditioning equipment.

Note: Evening courses available. This certificate is for concurrent enrollment only.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	AHR110	Intro to Refrigeration	5	2S
	AHR111	HVACR Electricity	3	1S
Spring	AHR113	Comfort Cooling	4	1S
	AHR112	Heating Technology*	4	1S

Basic Residential Wiring C35130H3

Note: Evening courses available. Concurrent enrollment only.

This certificate program is designed to provide students with an introduction to basic electrical wiring for residential facilities. Coursework includes basic construction concepts, DC/AC theory, and residential wiring. Graduates should qualify for entry-level jobs in general construction settings as an on-the-job trainee.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	BPR130	Blueprint Reading	3	1S
	ELC112	DC/AC Electricity	5	2S
Spring	ELC113	Residential Wiring	4	1S
	ELC118	National Electrical Code	2	0
	ISC115	Construction Safety	2	0

Construction Technology-Introduction C35140H1

Note: Evening courses available. This certificate is for concurrent enrollment only. CAR111 is only available in the morning.

Building Construction Technology is designed to provide students with an introduction to the building construction industry. Coursework includes basic construction concepts such as general construction, blueprint reading, and building codes. Graduates should qualify for entry-level jobs in any general construction setting as an on-the-job trainee.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CAR111AA	Carpentry I (Part One) ~	4	1S
	BPR130	Blueprint Reading	3	1S
	CMT120	Codes and Inspections	3	1S
Spring	CAR111BB	Carpentry I (Part Two) ~	4	1S
	CST131	OSHA/Safety/Certification	3	1S

Plumbing C35300H1

Note: PLU110 is only available in the morning.

The Plumbing certificate is designed to prepare individuals for entry-level positions in plumbing. Coursework includes fundamental practices in plumbing assembly and repair and in basic plumbing codes.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	PLU110	Modern Plumbing ~	9	3S
	PLU140	Intro to Plumbing Codes	2	0
Spring	BPR130	Blueprint Reading	3	1S
	PLU150	Plumbing Diagrams*	2	0

Welding Technology-Basic C50420H1

Note: This program can only be taken during the **Senior year** of high school. Concurrent enrollment only. Only available in the morning.

This certificate program is designed to give individuals the opportunity to acquire fundamental skills in welding. Coursework includes electrode welding and cutting processes and welding symbols and specifications.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	WLD110	Cutting Processes	2	0
	WLD121	GMAW (MIG) FCA W/Plate	4	1S
Spring	WLD115	SMAW (Stick) Plate	5	2S
	WLD141	Symbols & Specifications	3	1S

Supply Chain and Transportation Cluster

Collision Repair & Refinishing Technology C60130H1

Note: Courses are located at the FTCC Collision Center (2821 Procurement Circle). Transportation may be provided pending enrollment demands.

Basic Collision Repair and Refinishing Technology is designed to prepare students for entry-level positions as helpers in the auto body repair industry. Instruction will include hands-on repairs in areas of non-structural and structural repairs, mechanical and electrical components, painting, and refinishing.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	AUB121 ^	Non-Struc Damage	3	1S
	TRN110 ^	Intro to Transport Tech	2	0
Spring	AUB111	Painting & Refinish I	4	1S
	AUM112 ^	Emerging Trends-Auto Ind	3	1S

Logistics and Distribution Management Foundations C25620H1

The Logistics and Distribution Management Foundations certificate prepares individuals for a multitude of career opportunities in distribution, transportation, warehousing, supply chain, and manufacturing organizations. Coursework includes the movement of goods from the raw materials source(s) through production and ultimately to the consumer.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	LOG110	Intro to Logistics	3	1S
	LOG125	Transportation Log	3	1S
Spring	LOG215	Supply Chain Management*	3	1S
	LOG211	Distribution Management*	3	1S

Maintenance and Light Repair C60160H2

Note: Concurrent enrollment only. Students must have an unweighted grade point average of 2.8 to enroll in Maintenance and Light Repair. Students must have schedule flexibility to complete this certificate.

This certificate program is designed to prepare individuals for entry-level positions in automotive service and to earn Ford certifications in Basic Electrical, Basic Brakes, and Advanced Brakes.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	TRN110 ^	Intro to Transp Tech ~	2	0
	TRN120	Basic Transp Electricity ~	5	2S
Spring	AUT151	Brake Systems an ~	3	1S
	AUT151A	Brake Systems Lab ~	1	0
	TRN170	PC Skills for Transp	2	0

CARING FOR COMMUNITIES

Education Cluster

Early Childhood Preschool C55860H1

This curriculum prepares individuals to work with preschool aged children (ages 3-5) in diverse learning environments. Students will combine learned theories, competency-based knowledge, and practice in actual settings with preschool children. Courses are offered on eight-week and five-week rotations.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	EDU119	Intro to Early Child Ed	4	1S
	EDU131	Child, Family, Comm	3	1S
	EDU145	Child Development II	3	1S
Spring	EDU153	Health, Safety, Nutr	3	1S
	EDU146	Child Guidance	3	1S

Healthcare and Human Services Cluster

Central Sterile Processing C45180H1

Note: This program can only be taken during the **Senior year** of high school. CPR certification, immunizations, and uniforms are required for compliance with the CBSPD.

The Central Sterile Processing curriculum is designed to prepare individuals for the field of sterile processing and central service supply. Graduates will be able to take the Certification Board for Sterile Processing and Distribution (CBSPD). Employment opportunities include surgery centers, sterile processing departments in hospitals and traveling consultation services. This is an in-demand local career pathway with very limited seating.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	STP101	Intro to sterile Processing ~	8	2S
	CIS110	Introduction to Computers	3	1S
Spring	STP102	STP Clinical Practice ~	3	1S
	STP103	Prof Success Prep	1	0

Clinical Laboratory Aide C45420H1

Note: This program can only be taken during the **Senior year** of high school. Students must have an unweighted grade point average of 2.2 to enroll in Clinical Laboratory Aide.

The Clinical Laboratory Aide certificate prepares students to perform basic clinical laboratory procedures in chemistry, hematology, and microbiology. Upon completion, students will be able to demonstrate the knowledge and skills necessary for entry-level positions in the medical laboratory setting.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	MLT110	Intro to MLT	3	1S
	MLT111	Urinalysis & Body Fluids	2	0
	MLT140	Intro to Microbiology	3	1S
Spring	MLT120	Hematology/ Hemostasis I	4	1S
	MLT130	Clinical Chemistry I	4	1S

Emergency Medical Science C45340H1

Note: This program can only be taken during the **Senior year** of high school and students must be aged 17 on or before the official end date of the course as required by the North Carolina Department of EMS. CPR certification, immunizations, uniforms and driving are required for compliance with the NCDEMS. Students must have an unweighted grade point average of 2.8 to enroll in Emergency Medical Science.

Emergency Medical Science prepares students with the entry-level skills of an Emergency Medical Technician. Upon completion, students will be able to demonstrate the knowledge and skills necessary to achieve North Carolina State or National Registry EMT certification.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	EMS110AA	EMT-Part 1	4	1S
	MED120	Survey of Medical Terminology	0	0
Spring	EMS110BB	EMT-Part 2*	4	1S
	EMS140	Rescue Scene Management	0	0

Manicuring/Nail Technology C55400H1

Note: This program can only be taken during the **Senior year** of high school. Uniforms, books, and nail kit are required per the NC State Board of Cosmetology.

Manicuring/Nail Technology provides competency-based knowledge, scientific/artistic principles, and hands-on fundamentals associated with the nail technology industry. Graduates of this program should be prepared to take the NC Cosmetology State Board Licensing Exam and, upon passing, be licensed and qualify for employment in beauty/nail salons.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	COS121	Manicure/Nail Technology I ~	6	2S
Spring	COS222	Manicure/Nail Technology II ~	6	2S

Natural Haircare C55170H1

Note: This program can only be taken during the **Senior year** of high school. Uniforms, books, and a cosmetology kit are required. The approximate cost of the program is $450.

Natural Hair Care provides instruction and clinical practice in twisting, wrapping, extending, locking, blow dry, and hot iron as well as sanitization. Students will be able to perform natural hair styling and decoration in a salon setting. Graduates of this program should be prepared to take the NC Cosmetology State Board Licensing Exam and, upon passing, be licensed to qualify for employment in beauty/nail salons.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	COS127	Natural Hair Care I ~	6	2S
Spring	COS228	Natural Hair Care II ~	6	2S

Nurse Aide C45840H1

Note: This program can only be taken during the **Senior year** of high school. Students must have an unweighted grade point average of 2.2 to enroll in Nurse Aide. CPR certification, immunizations, and uniforms are required for compliance with the NCDHHS Healthcare Personnel Credentialing.

Nurse Aide prepares individuals to work under the supervision of licensed health care professionals in performing nursing care and services for persons of all ages. Coursework emphasizes personal care, vital signs, communication, nutrition, medical asepsis, catheterization, tracheostomy care, dressing changes, oxygen therapy, and legal scope of practice for Nurse Aides. Graduates of this program may be eligible for the North Carolina Nurse Aide I and Nurse Aide II registry. This is an in-demand local career pathway with limited seating. Clinical hours extend into the evening.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	NAS101	Nursing Assistant ~	6	2S
	MED120	Survey of Med Terminology	2	0
Spring	NAS102	Nursing Assistant II ~	6	2S

Public Service and Safety Cluster

Arson Fundamentals C55240H2

Note: This certificate is offered in the **spring semester only.** The companion certificate for this program is **Fire Protection Technology** offered in the fall.

The Fundamentals of Arson certificate program provides students with a foundation to build upon within the emergency services delivery programs. Topics include Fire Services law and ethics, occupational health standards, dynamic environment of fire and its characteristics, basic building construction principles, and Investigative principles for the arson investigator. This program will prepare students for entry level knowledge required for an

understanding of arson investigations and its fundamental tenants within the Fire Services Industry. Courses are offered on an eight-week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Spring	FIP128	Detection & Investigation	3	1S
	FIP164	OSHA Standards	3	1S
	FIP152	Fire Protection Law	3	1S
	FIP228	Fire Dynamics and Combust	3	1S
	FIP132	Building Construction	3	1S

Criminal Justice Introduction C55180H1

Criminal Justice Technology is designed to provide knowledge of criminal justice systems and operations. Study will focus on local, state, and federal law enforcement, judicial process, corrections, and security services. The criminal justice system's role within society will be explored. Courses are offered on an eight-week rotation. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CJC111+	Intro to Criminal Justice	3	1+
	CJC131	Criminal Law	3	1H
Spring	CJC221	Investigative Principles	3	1S
	CJC231	Constitutional Law	3	1S

Criminal Justice-Private Investigation/Loss Prevention C55180H3

The Private Investigations/Loss Prevention Certificate program provides an in-depth study of private and corporate security loss and prevention. Topics include loss prevention, threat assessment, and high-risk event planning. This program prepares the student with additional knowledge required for employment as a Private Investigator, Loss Prevention Specialist, or Corporate Security Specialist. Courses are offered on an eight-week rotation. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CJC111+	Intro to Criminal Justice	3	1+
	CJC120	Interviews/Inter	2	0
	CJC132	Court Proceed & Evid	3	1S
	CJC151	Intro to Loss Prevention	3	1S
Spring	CJC115	Crime Scene Photo	3	1S
	CJC260	Threat Assess	2	0
	CJC262	High-Risk Eve Plan	2	0

Disaster Management C55460H2

Note: This certificate is offered in the **spring semester only**. The companion certificate for this program is **Emergency Management** offered in the fall.

The Disaster Management certificate program provides students with a foundation to build upon within the emergency services delivery program. This program will prepare students for entry level knowledge required for employment in the Emergency Management Industry.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Spring	CJC170	Critical Incident Mgmt Pub Safety	3	1S
	EPT130	Mitigation & Preparedness	3	1S
	EPT140 ^	Emergency Management	3	1S
	EPT210	Response & Recovery	3	1S
	EPT275	Emergency OPS Center Mgt	3	1S

Emergency Management C55460H1

Note: This certificate is offered in the **fall semester only**. The companion certificate for this program is **Disaster Management** offered in the spring.

The Emergency Management Certificate program provides students with a foundation to build upon within the emergency services delivery program. This program will prepare students for entry level knowledge required for employment in the Emergency Management Industry.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	EPT120	Sociology of Disaster	3	1S
	EPT130	Mitigation & Preparedness	3	1S
	EPT210	Response & Recovery	3	1S
	EPT220	Terrorism & Emergency Mgmt	3	1S

Fire Protection Technology C552520H1

Note: This certificate is offered in the **fall semester only**. The companion certificate for this program is the **Arson Fundamentals** certificate offered in the spring.

Fire Protection Technology provides an in-depth study of fire protection and prepares students for entry level positions in the fire protection industry.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	FIP120	Introduction to Fire Protection	3	1S
	FIP124	Fire Prevention & Public Ed	3	1S
	FIP132	Building Construction	3	1S
	FIP220	Fire Fighting Strategies	3	1S

Digital Technology and Computer Science Cluster

Cisco Entry Networking Certificate C25590H9

The Cisco Entry Networking Certificate is designed to prepare students for entry-level employment with organizations that use computers to process, manage, and share information. Competencies covered include the ability to support, configure, manage, secure, and troubleshoot wired and wireless networks. Coursework helps prepare students for the CompTIA Network+ and Security+ industry certification exams. It offers a heavy hands-on and skills-based component providing meaningful exposure and experience configuring and securing enterprise grade Cisco routers and switches using components of the Cisco Academy CCNA curriculum. Courses are offered on an eight-week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	NET110	Networking Concepts	3	1S
	SEC110 ^	Security Concepts	3	1S
Spring	NET125	Introduction to Networks	3	1S
	NET126	Routing Basics	3	1S

Computer Science Transfer C25590HE

Note: Students must have an unweighted 2.2 grade point average to enroll in Computer Science Transfer.

The Computer Science Transfer certificate is designed to prepare individuals for transfer to the UNC System universities' Computer Science programs. Students will solve business computer problems through programming techniques and procedures using the various programming languages. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CIS110+	Introduction to Computers	3	1+
	CIS115 +	Intro to Program & Logic	3	1+
	CTS115+	Info Sys Business Concepts	3	1+
Spring	CSC134+	C++ Programming	3	1+
	CSC151+	JAVA Programming	3	1+

Computer Technologies C25590H4

Computer Technologies is designed to provide students with the fundamental skills in the field. Coursework will include creating a basic webpage and database as well as basic skills in networking, security, and computer operating systems. Students will also learn basic virtualization techniques. Some classes are offered on an 8 week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	NET110	Networking Concepts	3	1S
	CTI110 ^	Web, Pgm & DB Foundation	3	1S

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Spring	SEC110 ^	Security Concepts	3	1S
	NOS110 ^	Operating Systems Concepts	3	1S

Hardware and Software Certificate C25590H3

The Hardware and Software certificate is designed to prepare graduates for entry-level employment with organizations that use computers to process, manage, and communicate information. Classes cover computer operations and terminology, operating systems, database, networking, security, and technical support. Coursework prepares students for the A+ Certification. Some classes are offered on an 8 week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CTI110 ^	Web, Pgm & DB Foundation	3	1S
	CTS120	Hardware/Software Support	3	1S
	NET110	Networking Concepts	3	1S
Spring	CTS220	Adv Hard/Software Support	3	1S
	NOS110 ^	Operating System Concepts	3	1S
	SEC110 ^	Security Concepts	3	1S

Network Defense Specialist C25590H5

The Network Defense Certificate is designed to introduce students to the basics of networking and security and how to defend your network against attacks. Coursework includes networking and security concepts. Linux operating systems, and network vulnerabilities. Students will learn how to defend and protect network data.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	NET110	Networking Concepts	3	1S
	SEC110 ^	Security Concepts	3	1S
Spring	SEC175	Perimeter Defense	3	1S
	NOS120	Linux Single User	3	1S

Python Programming C25590H8

Note: Please speak with your school counselor or career coach for enrollment requirements.

The PYTHON Programming certificate is designed to prepare individuals for employment as programmers in PYTHON through study and applications in computer concepts, logic, and programming procedures using the PYTHON programming language. Upon completion of this program, a student will have the necessary PYTHON skills for an entry level PYTHON programming position. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CIS115+	Intro to Prog & Logic	3	1+
	CTI110 ^	Web, Pgm, and DB Foundation	3	1S
Spring	CSC121	Python Programming	3	1S
	CSC221	Advanced Python Programming	3	1S

Management and Entrepreneurship Cluster

Business Foundations C25120H1

Note: Students must have an unweighted gpa of 2.2 to enroll in Business Foundations.

Business Foundations is designed to teach students basic business principles. The certificate emphasizes business concepts from an individual, business, and national perspective. Coursework includes an introduction to business principles, business law, management, marketing, and economics. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	BUS110+	Introduction to Business	3	1+
	BUS115+	Business Law I	3	1+
Spring	BUS137+	Principles of Management	3	1+
	MKT120 ^	Principles of Marketing	3	1S

Healthcare Customer Service C25310H2

Healthcare Customer Service prepares students for employment in a medical office or other healthcare related business. Students will learn medical terminology; medical insurance and billing; as well as medical ethics and healthcare customer relations. Upon completion of this program, students would be able to perform the necessary skills required in today's medical office or transfer the course credits to the Medical Office Professional track for an Associate of Applied Science degree. Some classes are offered on an eight-week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	MED 121	Medical Terminology I	3	1S
	MED 122	Medical Terminology II	3	1S
	OST148	Coding/Bill/Ins.	3	1S
Spring	OST149	Medical Legal Issues	3	1S
	OST263	Healthcare Customer Relations	3	1S

Legal Office Foundation C25370H2

Note: Students must have an unweighted gpa of 2.2 to enroll in Legal Office Foundations.

The Legal Office Foundation program is designed to introduce students to the foundations of a legal office. Coursework includes legal terminology, business law, office applications, and office procedure skills. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT

Fall	OST155	Legal Terminology	3	1S
	BUS115+	Business Law I	3	1+
Spring	OST181	Office Procedures	3	1S
	OST137	Office Applications I	3	1S

CREATING AND EXPERIENCING

Arts, Entertainment, and Design Cluster

Audio and Video Editing C25590HC

In the Audio and Video Editing certificate, students learn the basics of audio and video editing technology. They are also introduced to graphic tools, multimedia applications, and animation. Classes are offered on an eight-week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	MIT115 ^	Intro to Video Concepts	3	1S
	MIT120	Intro to Audio Concepts	3	1S
Spring	DME120	Intro to Multimedia App	3	1S
	DME140	Intro to Audio/Video Media	3	1S

Graphic Design Basics C30100H1

Graphic Design basics prepares students for entry-level positions in the graphic design profession. Students will learn design, advertising, illustration, and digital and multimedia preparation of printed, electronic promotional materials. Classes are offered on an eight-week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	GRD151	Graphic Design I	4	0
	GRD141	Comp Design Basics	3	1S
Spring	GRD110	Typography I	3	1S
	GRD152	Comp Design Tech I*	3	1S

Simulation and Game Development C25450H1

Simulation and Game Development introduces students to the skills they would need for entry-level positions in the field. Students will learn about designing simulation, game programming, and 3D modeling. Classes are offered on an eight-week rotation.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	SGD111	Introduction to SGD*	3	1S
	SGD112	SGD Design*	3	1S

Spring	SGD114	3D Modeling	3	1S
	SGD113	SGD Programming*	3	1S

Hospitality, Events, and Tourism Cluster

Culinary Foundations C55150H2

Note: Uniforms are required for participation along with other materials. Please speak with your school counselor or career coach for further enrollment requirements.

Culinary Foundations prepares students for entry-level positions in the catering and cold foods display fields. Students will learn basic cookery and cold food preparation concepts and techniques.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CUL110 ^	Sanitization Safety	2	0
	CUL140	Basic Culinary Skills ~	5	2S
	CUL 140A	Basic Culinary Skills Lab ~	1	0
Spring	CUL160	Baking I*	3	1S
	CUL170	Garde-Manager I*	3	1S

Bakeshop Foundations

Note: Uniforms are required for participation along with other materials. Please speak with your school counselor or career coach for further enrollment requirements.

Bakeshop Foundations prepares students with the skills and knowledge required for employment in the baking/pastry industry, including restaurants, hotels, independent bakeries/pastry shops, wholesale/retail markets, and high-volume bakeries, and/or further academic studies.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	CUL110 ^	Sanitization Safety	2	0
	CUL150/A	Basic Culinary Skills	3	2S
	CUL160	Baking I*	3	1S
Spring	BPA120	Petit Fours & Pastries	3	1S
	BPA150	Artisan & Specialty Bread ~	4	1S

CULTIVATING RESOURCES

Agriculture Cluster

Horticulture-Basic C1524H1

Basic Horticulture is designed to give students an introduction to the broad field of horticulture. Emphasis is placed on instruction in plant science, landscape management and irrigation, plant materials, pest management and plant propagation.

Note: Courses located at FTCC's Horticulture Education Center (Cape Fear Botanical Gardens).

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	HOR162	Applied Plant Science	3	1S
	HOR160 ^	Plant Materials I	3	1S
Spring	HOR134	Greenhouse Operations	3	1S
	HOR168	Plant Propagation	3	1S

Energy and Natural Resources Cluster

Green Sustainable Architecture C40100H1

Note: ARC261 is only available during the summer.

Green Sustainable Architecture introduces the concepts and principles related to green site development and architectural design. Students receive instruction in construction document preparation, materials and methods, environmental and structural systems, computer applications, and complete a design project.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	ARC111 ^	Intro to Architectural Tech	3	1S
	ARC112	Const Materials & Methods	4	1S
Spring	SST140	Green Building	3	1S
	ARC114 ^	Architectural CAD	2	0
Summer	**ARC261**	**Solar Technology ~**	**2**	**0**

Solar/Electrical Technology C35130H1

Solar/Electrical Technology provides training for persons interested in the installation and maintenance of electrical systems that convert solar energy into electricity with photovoltaic (PV) technologies. Topics include site analysis for system integration, building codes, electrical specifications, PV system components, and array design.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	ELC112	DC/AC Electricity	5	2S
	SST140	Green Building Concepts	3	1S
Spring	ELC118	National electrical Code	2	0
	ELC220	Photovoltaic Sys Tech	3	1S

INVESTING IN THE FUTURE

Finance Services Cluster

Accounting Foundations C25800H1

Note: Students must have an unweighted grade point average of 2.8 to enroll in Accounting Foundations.

The Accounting certificate is designed to provide students with the knowledge and skills that form the foundation for accounting. Using the "language of business," accountants assemble and analyze, process, and communicate

essential information about financial operations. This program has college transfer courses with weighted dual credit.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Fall	ACC120+	Principles of Financial Acc	4	1+
	BUS115+	Business Law I	3	1+
Spring	ACC121+	Prin. Of Managerial Acc*	4	1+
	ECO251+	Principles of Microeconomics	3	1+

WORKFORCE CONTINUING EDUCATION CCP PATHWAY

Utility Solar Mechanical & Erosion Control Installation - C60160H2 - Cinterra

Note: Concurrent enrollment only.

The Utility Solar Mechanical & Erosion Control Installation course is a training program designed to prepare individuals who are interested in pursuing a career in the utility solar power industry. This program provides 120 hours towards an apprenticeship with Cinterra.

SEMESTER	COURSE	NAME	FTCC CREDIT	HS CREDIT
Spring	EGY3002	Utility Solar Mechanical & Erosion Control Installation ~	3	1S

Course Descriptions

Not all schools offer all courses. Each school provides supplementary information on course offerings during registration.

English/Language Arts

ENGLISH I

Grade Level: 9 **Course Code:10212X0**
Credit: 1 unit

This course follows the NCSCOS for grade 9 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening, and language. For students to be college and career ready, they must read from a wide range of high-quality, increasingly challenging texts, reflecting global perspectives, and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts.

ENGLISH I HONORS

Grade Level: 9 **Course Code: 10215X0**
Credit: 1 unit, Weight: +.5

This course provides challenging reading, writing and speaking opportunities designed to develop the students' abilities in language arts as preparation for education beyond high school. This course follows the NCSCOS for grade 9 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high-quality, increasingly challenging texts, reflecting global perspectives, and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts.

ENGLISH II

Grade Level: 10 **Course Code: 10222X0**
Credit: 1 unit

This course follows the NCSCOS for grade 10 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high-quality, increasingly challenging texts, reflecting global perspectives, and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts.

ENGLISH II HONORS

Grade Level: 10 **Course Code: 10225X0**
Credit: 1 unit, Weight: +.5

This course provides challenging writing and speaking opportunities designed to develop the students' abilities in language arts as preparation for education beyond high school. This course follows the NCSCOS for grade 10 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high- quality, increasingly challenging texts, reflecting global perspectives, and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts.

ENGLISH III

Grade Level: 11 **Course Code: 10232X0**
Credit: 1 unit

This course follows the NCSCOS for grade 11 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high-quality, increasingly challenging texts and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts.

ENGLISH III HONORS

Grade Level: 11 **Course Code: 10235X0**
Credit: 1 unit, Weight: +.5

This course provides challenging reading, writing and speaking opportunities designed to develop the students' abilities in language arts as preparation for education beyond high school. This course follows the NCSCOS for grade 11 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high-quality, increasingly challenging texts and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts.

ENGLISH IV

Grade Level: 12 **Course Code: 10242X0**
Credit: 1 unit

This course follows the NCSCOS for grade 12 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high-quality, increasingly challenging texts and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts. This course provides application of all communication skills and completes the global perspective initiated in English I.

ENGLISH IV HONORS

Grade Level: 12 **Course Code: 10245X0**
Credit: 1 unit, Weight: +.5

This course provides challenging reading, writing and speaking opportunities designed to develop students' abilities in language arts as preparation for education beyond high school. This course follows the NCSCOS for grade 12 and requires students to demonstrate proficiency for standards of reading literature, reading informational text, writing, speaking and listening and language. For students to be college and career ready, they must read from a wide range of high- quality, increasingly challenging texts and comprehend texts of steadily increasing complexity. Students learn how to offer and support opinions/arguments, demonstrate understanding of topics of study and convey experiences in writing, clearly and coherently. Teachers provide students ample opportunities to communicate their thinking orally, including effective use of data and evidence. Students use effective and correct language skills in all contexts. This course provides in-depth application of all communication skills and completes the global perspective initiated in English I.

AP LANGUAGE AND COMPOSITION

Grade Level: 11 **Course Code: 1A007X0**
Teleconferencing Course Code: 1A007X0TC
Credit: 1 unit, Weight: +1

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum. The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text— from a range of disciplines and historical periods. At the completion of the course, students take the Advanced Placement Exam and may receive college credit based upon their scores and the requirements of the college of their choice.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

AP LITERATURE AND COMPOSITION

Grade Level: 12 **Course Code: 1A017X0**
Teleconferencing Course Code: 1A017X0TC
Credit: 1 unit, Weight: +1

The AP English Literature and Composition course aligns to an introductory college-level literature and writing curriculum. The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the way's writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. At the completion of the course, students take the Advanced Placement Exam and may receive college credit based upon their scores and the requirements of the college of their choice.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

DEBATE

Grade Level: 9, 10, 11, 12 **Course Code: 10182X0**
Credit: 1 unit

This course focuses on a wide range of competitive public speaking and debate skills and techniques. Students are expected to participate in local forensics tournaments and have opportunities to compete in selected public speaking and debating tournaments. Skill development includes advanced techniques in diction, articulation, enunciations, and projection. Students begin to analyze pieces of literature, create orations, and evaluate performances.

DEBATE HONORS

Grade Level: 10, 11, 12 **Course Code: 10185X0**
Credit: 1 unit, Weight: +.5

This course further develops skills in communication, logic, and reasoning through participation in scholastic forensics competitions. Students specialize in and demonstrate expertise in at least one of the speaking events, begin to develop a second area and compete at local, regional and state tournaments. Students continue to refine diction, articulation, enunciation, and projection skills while applying more advanced techniques of public speaking. Students exhibit team responsibility and develop skills of evaluation and analysis. Honors activities may include required/advanced reading lists, required/advanced writing assignments, special projects, enrichment activities and a portfolio of student activities/performances.

JOURNALISM I

Grade Level: 9, 10, 11, 12 **Course Code: 10312X0**
Credit: 1 unit

Students study techniques of journalistic writing, layout, the organization of the newspaper staff, and the history of American journalism. Students also survey the mass media, photography, television and radio reporting. Journalism I students receive on-the- job training, as they assist in reporting, layout, selling, and circulating each edition of the newspaper.

JOURNALISM I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 10315X0**
Credit: 1 unit, Weight: +.5

In this honors level course, students study techniques of journalistic writing, layout, the organization of the newspaper staff, and the history of American journalism. Students also survey the mass media, photography, television and radio reporting. Students receive on-the- job training, as they assist in reporting, layout, selling, and circulating each edition of the newspaper.

JOURNALISM II (II-A, II-B)

Grade Level: 10, 11, 12 **Course Code: 10322X0**
Credit: 1 unit

The primary duties of Journalism II students are to produce a school Newspaper and/or magazine. Students further their knowledge and skills in writing, layouts, and organizing a quality publication. They explore the use of technology in preparing written publications.

JOURNALISM II HONORS

Grade Level: 10, 11, 12 **Course Code: 10325X0**
Credit: 1 unit Weight: +.5

The primary duties of students in this honors level course are to produce a school Newspaper and/or magazine. Students further their knowledge and skills in writing, layouts, and organizing a quality publication. They explore the use of technology in preparing written publications.

JOURNALISM III (III-A, III-B)

Grade Level: 11, 12 **Course Code: 10332X0**
Credit: 1 unit

Journalism III students refine their knowledge of journalism basics as well as receive instruction in specialized areas of media. These students write, layout, and publish the newspaper and/or a literary magazine. They learn sales/business management in the sale and preparation of advertising.

JOURNALISM III HONORS

Grade Level: 11, 12 **Course Code: 10335X0**
Credit: 1 unit Weight: +.5

In this honors level course, Journalism III students deepen their knowledge of journalism principles as well as receive instruction in specialized areas of media. These students write, layout, and publish the newspaper and/or a literary magazine. They learn sales/business management in the sale and preparation of advertising.

JOURNALISM IV

Grade Level: 12 **Course Code: 10342X0**
Credit: 1 unit

Journalism IV students work in leadership positions, assuming leadership responsibility for written or broadcast media with an emphasis on TV broadcasting. They manage the production of the written or broadcast media.

JOURNALISM IV HONORS

Grade Level: 12 **Course Code: 10345X0**
Credit: 1 unit, Weight: +.5

Students continue to define their journalistic skills and serve in top leadership positions in the production of written and broadcast media. They serve as editors and are responsible for all aspects of planning, organizing, and preparing quality journalistic products.

SPEECH I

Grade Level: 9, 10, 11, 12 **Course Code: 10142X0**
Credit: 1 unit

This course aids students in the fundamentals of communication. Topics of study include interviewing skills, interpersonal communications, panel discussions, parliamentary procedure, oral interpretation of written pieces, research methods and constructive criticism. Students improve diction, articulation, enunciation, and projection.

SPEECH I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 10145X0**
Credit: 1 unit Weight: +.5

This honors level course aids students in the fundamentals of communication. Topics of study include interviewing skills, interpersonal communications, panel discussions, parliamentary procedure, oral interpretation of written pieces, research methods and constructive criticism. Students improve diction, articulation, enunciation, and projection.

SPEECH II

Grade Level: 10, 11, 12 **Course Code: 10152X0**
Credit: 1 unit

This course further develops the fundamentals of communication.

SPEECH II HONORS

Grade Level: 10, 11, 12 **Course Code: 10155X0**
Credit: 1 unit Weight: +.5

This honors course further develops the fundamentals of research and communication.

World Language

AMERICAN SIGN LANGUAGE (ASL) I

Grade Level: 9, 10, 11, 12 **Course Code: 12812X0**
Credit: 1 unit

This course covers the beginning level of sign language for high school students. Beginning Sign Language is designed to assist the student in obtaining a basic introductory knowledge of Sign Language. The student will learn basic sign language, sign vocabulary, grammatical structure, facial expression and body language. Proficiency exam will be given at the end of the course.

Note: Course is offered through FTCC; FTCC also offers American Sign Language II.

ARABIC I

Grade Level: 9, 10 **Course Code: 12212X0**
Credit: 1 unit

This course introduces the fundamental elements of the modern standard Arabic language within the cultural context of Arabic-speaking people. Emphasis is placed on the development of basic listening, speaking, reading, and writing skills. Upon completion, students should be able to comprehend and respond with grammatical accuracy to spoken and written Arabic and demonstrate cultural awareness. Proficiency exam will be given at the end of the course.

Note: Course is offered only at Cumberland International Early College and Seventy-First High School.

ARABIC II

Grade Level: 9, 10, 11 **Course Code: 12222X0**
Prerequisite: Arabic I and language proficiency **Credit: 1 unit**

Students will continue to improve speaking proficiency, listening, comprehension, and writing skills. By the conclusion of the school year, students should be able to speak casually about daily and common activities. Students will begin a more intensive study of grammatical forms of Arabic and vocabulary words. They will conduct research and make presentations on current and historical events in Arabic-speaking regions around the world. A proficiency exam will be given at the end of the course.

Note: Course is offered only at Cumberland International Early College and Seventy-First High School.

ARABIC III HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 12235X0**
Prerequisite: Arabic II and language proficiency **Credit: 1 unit, Weight: +.5**

Arabic III focuses on strengthening the basic language skills of reading, writing, listening, and speaking in a cultural context. It reinforces grammar and vocabulary through constant review at an intermediate language level and expands to challenge students as their skills develop. Students will conduct research and make presentations on current and historical events in Arabic-speaking regions of the world. A proficiency exam will be given at the end of the course.

Note: Course is offered only at Cumberland International Early College and Seventy-First High School.

ARABIC IV HONORS

Grade Level: 10, 11, 12 **Course Code: 12245X0**
Prerequisite: Arabic III Honors and language proficiency **Credit: 1 unit, Weight: +.5**

This course includes communicative competencies in speaking, listening comprehension, reading, and writing at an intermediate level with attention to cultural awareness. Emphasis is placed on intermediate skills in speaking, reading, writing, and comprehension of spoken language. Upon completion, students should be able to demonstrate simple conversations and read works written in modern standard Arabic. A proficiency exam will be given at the end of the course.

Note: Course is offered only at Cumberland International Early College.

FRENCH I

Grade Level: 9, 10, 11, 12 **Course Code: 11012X0**
Credit: 1 unit

French I is an introduction to the French language and various francophone cultures. Emphasis is placed on listening, speaking, reading, writing, and culture. There is much oral practice with many personalized questions and a variety of classroom activities emphasizing personal expression. Students will perform the most basic functions of the reading and writing aspects of the language. A variety of media are used to introduce different aspects of French culture and civilization. Integration of other disciplines is ongoing throughout the course. A proficiency exam will be given at the end of the course.

Note: Course is offered at Douglas Byrd, Gray's Creek, Massey Hill, and Terry Sanford High Schools.

FRENCH II

Grade Level: 9, 10, 11, 12 **Course Code: 11022X0**
Prerequisite: French I or French I Part I and French I Part II (Middle School) and language proficiency **Credit: 1 unit**

French II is a continuation of French I. Students enrolled in this course have either successfully completed the Level I course at the high school or the middle school or have been placed out of Level I due to previous language study at the elementary and/or middle grades. The course covers increased oral accuracy, vocabulary development, grammatical structure, reading, writing, civilization, and culture. These objectives will be reinforced through increased use of the French language. Students continue to develop multicultural awareness and integration of other disciplines. A proficiency exam will be given at the end of the course.

Note: Course is offered at Douglas Byrd, Gray's Creek, Massey Hill, and Terry Sanford High Schools.

FRENCH III HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 11035X0**
Prerequisite: French II and language proficiency **Credit: 1 unit, Weight: +.5**

Level III stresses an increasing integration of the four language skills. Students initiate and maintain face-to-face communication. Continued emphasis is placed on reading, examining other cultures, and integrating with other disciplines. A proficiency exam will be given at the end of the course.

Note: Course is offered at Douglas Byrd, Gray's Creek, Massey Hill, and Terry Sanford High Schools.

FRENCH IV HONORS

Grade Level: 10, 11, 12 **Course Code: 11045X0**
Prerequisite: French III Honors and language proficiency **Credit: 1 unit, Weight: +.5**

The students of French IV will expand their knowledge of basic structures, vocabulary, and fluency of speech. Students will do advanced studies in French history, literature, and culture. A proficiency exam will be given at the end of the course.

Note: Course is offered at Douglas Byrd, Gray's Creek, Massey Hill, and Terry Sanford High Schools.

AP FRENCH LANGUAGE AND CULTURE

Grade Level: 11, 12 **Course Code: 1A037X0**
Prerequisites: French III Honors or French IV Honors, language proficiency **Credit: 1 unit Weight: +1**

This college-level course is designed to lead the student to a high level of proficiency through intensive study of vocabulary, advanced grammar review, and extensive writing and speaking. Students will read literature and magazine articles. The course will provide mastery of the four skills of listening, reading, speaking, and writing. A proficiency exam will be given at the end of the course.

Note: Course is offered at Douglas Byrd, Gray's Creek, Massey Hill, and Terry Sanford High Schools.

CHINESE I

Grade Level: 9, 10, 11, 12 **Course Code: 11212X0**
Credit: 1 unit

Chinese I is an introductory course to Mandarin Chinese. Though students will receive instruction in all four aspects of the language (oral, listening, reading, and writing) during the early stages of their Chinese studies, class time will primarily be devoted to acquiring basic oral and listening skills. Once students are more familiar with structural conventions, they will be challenged with reading and writing materials that include some unknown characters so they can develop their skills under more authentic circumstances. In addition to gaining communicative and linguistic competence, students will be exposed to Chinese culture to better understand the cultural context in which their language skills will be used. The course will allow students to communicate interpersonally in daily life. Topics include greetings, basic introductions, appointments, locations, countries, languages, descriptions, shopping, and food. A proficiency exam will be given at the end of the course.

Note: Course is offered at Cumberland International Early College, Reid Ross Classical High School, Seventy-First, South View, and Westover High Schools.

CHINESE II

Grade Level: 9, 10, 11, 12 **Course Code: 11222X0**
Prerequisite: Chinese I or Chinese I Part I and Chinese I Part II (Middle School) and language proficiency
Credit: 1 unit

This course builds on the skills introduced in Chinese I. Aural comprehension, pronunciation, and speaking exercises facilitate oral communication. Additional vocabulary and grammar are introduced to develop reading and writing skills further. Students expand their capacity to read and write Chinese characters. Students continue to study Chinese history, culture, and society. A proficiency exam will be given at the end of the course.

Note: Course is offered at Cumberland International Early College, Reid Ross Classical High School, Seventy-First, South View, and Westover High Schools.

CHINESE III HONORS

Grade Level: 10, 11, 12 **Course Code: 11235X0**
Prerequisite: Chinese II and language proficiency
Credit: 1 unit, Weight: +.5

In this course, students will continue to gain oral proficiency through a variety of language activities, including games, dialogues, oral presentations, and imaginative tasks. Meanwhile, efforts will be continuously made to improve the accuracy of the student's pronunciation and the ability to convey meaning. Reading and writing skills will be taught in meaningful contexts. The culture and language integration at this level will be focused on the "life way" study, and the student will develop an appreciative acquaintance with Chinese culture. Students will use what they have learned in more complex sentences, phrases, and conversations. Students are expected to speak in longer sentences and ask simple questions on familiar and unfamiliar topics. A proficiency exam will be given at the end of the course.

Note: Course is offered at Seventy-First, Cumberland International Early College, South View, and Westover High Schools.

CHINESE IV HONORS

Grade Level: 10, 11, 12 **Course Code: 11245X0**
Prerequisite: Chinese III Honors and language proficiency
Credit: 1 unit, Weight: +.5

This course offers continuing instruction in listening, speaking, reading, and writing, emphasizing consolidating basic conversational skills and improving reading confidence and depth. Chinese I, II, III, and IV form a sequence. Upon completing this course, students should be able to speak in Chinese and have some fluency in essential conversational topics. Read texts composed in both simplified and traditional characters and write short compositions using these characters. Classes will be conducted in Mandarin. A proficiency exam will be given at the end of the course.

Note: Course is offered only at Seventy-First High, South View High, and Westover High Schools.

AP CHINESE LANGUAGE AND CULTURE

Grade Level: 11, 12 **Course Code: 1A027X0**
Prerequisite: Chinese III Honors or Chinese IV Honors, language proficiency **Credit: 1 unit, Weight: +1**

This intensive course is designed for highly motivated students to improve competency and gain proficiency in Chinese. The course provides extensive preparation for the AP Chinese Language and Culture exam in May. Students write biweekly compositions in Chinese and develop their speaking, listening, and writing skills at an advanced level by making recordings. Students are expected to become competent in reading and understanding spoken Chinese using authentic sources. A concise review of grammar and extensive vocabulary are addressed throughout the year. World Language studies at the Diploma Level require students to read, write, and speak in the target language while exploring cultures related to the language. Students engage in discussion with classmates and their teacher, read and respond to texts, and describe and analyze photographs representing cultural images. A proficiency exam will be given at the end of the course.

Note: Course is offered only at Seventy-First High School.

IB WORLD LANGUAGES CHINESE I & II

Grade Level: 9, 10, 11, 12 **Course Code: 1I138X0,1I138X0S**
Prerequisite: World Language Levels 1, 2, and 3 **Credit: 1 unit Weight: +1**

World Language studies at the Diploma Level require students to read, write, and speak in the target language while exploring cultures related to the language. Students engage in discussion with classmates and their teacher, read and respond to texts, and describe and analyze photographs representing cultural images.

Note: Course is offered only at South View High School

LATIN I

Grade Level: 9, 10, 11, 12 **Course Code:12412X0**
Credit: 1 unit

This course introduces basic Latin vocabulary, inflections, and grammar as it applies to reading and translating simple Latin sentences. Special emphasis is placed on building English derivatives and vocabulary. Roman culture, art, history, law, and government are also explored to help build an appreciation of the ancients' effects on modern American society. A proficiency exam will be given at the end of the course.

Note: Course is offered at Jack Britt, E.E. Smith High Schools.

LATIN II

Grade Level: 9, 10, 11, 12 **Course Code: 12422X0**
Prerequisite: Latin I or Latin I Part I and Latin I Part II (Middle School) and language proficiency **Credit: 1 unit**

Students continue building vocabulary and studying more complex grammar. The study of ancient Roman history is expanded as students begin reading the simpler texts written by ancient authors. A proficiency exam will be given at the end of the course.

Note: Course is offered at Jack Britt, E.E. Smith High Schools.

LATIN III HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 12435X0**
Prerequisite: Latin II and language proficiency **Credit: 1 unit Weight: +.5**

Students continue building vocabulary and studying more complex grammar. Through their study of Latin, students reinforce and further their understanding of English. They expand their study of Roman history as they begin reading simpler texts written by ancient authors. A proficiency exam will be given at the end of the course.

Note: Course is offered at Jack Britt, E.E. Smith High Schools.

LATIN IV HONORS

Grade Level: 10, 11, 12 **Course Code: 12445X0**
Prerequisite: Latin III Honors and language proficiency **Credit: 1 unit, Weight: +.5**

Students in advanced Latin continue to trace Greco-Roman history, culture, and language and its impact on modern civilizations. Reading comprehension is stressed through the exploration of more advanced texts, especially Catullus, Horace, and Vergil. Emphasis is placed on the reading and scanning of the poetry of these authors. A proficiency exam will be given at the end of the course.

Note: Course is offered at Jack Britt, E. E. Smith High School.

AP LATIN

Grade Level: 11, 12 **Course Code: 1A077X0**
Prerequisite: Latin III Honors or Latin IV Honors, and language proficiency **Credit: 1 unit Weight: +1**

Students at this advanced language level are expected to demonstrate greater and more sophisticated use of the four skills of listening, speaking, reading, and writing. Literature, History, and culture are taught primarily through the active use of the second language. Content/skill areas [Roman authors] outlined for the Advanced Placement Test by the College Board form the basis for the course of study. A proficiency exam will be given at the end of the course.

Note: Course is offered at Jack Britt, E.E. Smith High Schools.

SPANISH I

Grade Level: 9, 10, 11, 12 **Course Code: 11412X0**
Credit: 1 unit

This course is intended for beginning Spanish language students. Spanish I is designed to give students a balanced exposure to all four language skills. The course objectives emphasize accurate pronunciation structure knowledge, primarily focusing on the present tense and language acquisition of basic vocabulary. The course provides students with opportunities to respond to and give oral directions and commands and to make routine requests in the classroom and public places; understand and use appropriate forms of address in courtesy expressions and be able to talk about daily routines and events; ask and answer simple questions and participate in brief guided conversations related to their needs and interests. Students will begin to speak and write in the target language. Cultural similarities and differences between Spanish-speaking countries and the United States are studied. A proficiency exam will be given at the end of the course.

SPANISH HERITAGE I /IMMERSION

Grade Level: 9, 10, 11 **Course Code:11492X0**
Prerequisite: Student must be a native or heritage speaker of Spanish **Credit: 1 unit**

This course is designed for students whose native or heritage language is Spanish. It provides those students with the opportunity to expand their existing proficiency and develop their reading and writing skills. Spelling and vocabulary development are stressed. A proficiency exam will be given at the end of the course.

SPANISH II

Grade Level: 9, 10, 11, 12 **Course Code: 11422X0**
Prerequisite: Spanish I or Spanish I Part I and Spanish I Part II (Middle School) and language proficiency **Credit: 1 unit**

Spanish II is a continuation of Spanish I with many new grammatical structures. The course emphasizes listening to different aspects of the culture, including the visual arts, architecture, reading, and writing. Students will begin to understand spoken Spanish and converse more sophisticatedly. The students will become familiar with literature and music. The culture and history of Hispanic countries are also studied. The course enables students to participate in classroom and extracurricular activities related to the language studied and in conversations dealing with daily activities and personal interests. A proficiency exam will be given at the end of the course.

SPANISH III HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 11435X0**
Prerequisite: Spanish II or Spanish as Language Arts II and language proficiency **Credit: 1 unit, Weight: +.5**

This course reviews Spanish II concepts. Students should have a basic mastery of level II grammar and vocabulary. Oral proficiency continues to be a major focus, with increased emphasis on the depth of study of the many target cultures represented in the Spanish-speaking world. Reading and writing skills are stressed. Students read for comprehension from a variety of authentic materials, such as advertisements in newspapers, magazines, cartoons, and personal correspondence, as well as short literacy selections of poetry, plays, and short stories. Student writes, paraphrases, summarizes, and writes brief compositions. The course provides instruction that enables students to understand and appreciate other cultures by comparing people's social behaviors and values using the target language. A proficiency exam will be given at the end of the course.

HONORS SPANISH II HERITAGE/IMMERSION

Grade Level: 9, 10, 11 **Course Code: 11505X0**
Prerequisite: Spanish I Heritage/Immersion **Credit: 1 unit, Weight: +.5**

This course is designed for students whose native or heritage language is Spanish. It allows those students to expand their existing proficiency and develop their reading and writing skills. Spelling and vocabulary development are stressed. A proficiency exam will be given at the end of the course.

IB WORLD LANGUAGES SPANISH I & II

Grade Level: 9, 10, 11, 12 **Course Code: 1I158X0, 1I158X0S**
Prerequisites: World Language Levels 1, 2, and 3. **Credit: 1 unit, Weight: +1**

World Language studies at the Diploma Level require students to read, write, and speak in the target language while exploring cultures related to the language. Students discuss with classmates and their teacher, read and respond to texts, and describe and analyze photographs representing cultural images.

Note: Course is offered only at South View High School.

SPANISH IV HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 11445X0**
Prerequisite: Spanish III Honors or Spanish Heritage Speaker II and language proficiency **Credit: 1 unit, Weight: +.5**

Spanish IV provides an advanced application of skills learned in Spanish I, II, and III Honors. The course is divided into thematic units, which provide vocabulary enrichment and language-integrated skills. Students receive constant exposure to spoken Spanish and will develop reading strategies by studying Spanish-speaking countries' history, literature, and culture. The course enables the students to express opinions and judgments, respond to factual and interpretive questions, and interact in complex social situations. Students read for comprehension from a variety of longer authentic materials. They are aware of the major literary, musical, and artistic periods and genres of at least one of the cultures in the target language. A proficiency exam will be given at the end of the course.

SPANISH V HONORS

Grade Level: 11, 12 **Course Code: 11455X0**
Prerequisite: Spanish IV Honors and language proficiency **Credit: 1 unit, Weight: +.5**

This course is designed for students who wish to continue building speaking, reading, and writing skills. Students receive opportunities to speak and write extensively in Spanish. Knowledge of grammatical structure is stressed. Students will demonstrate an understanding of the principal elements of nonfiction, articles in newspapers, create stories and poems, short plays, and skits based on personal experiences and exposure to themes analyzing the main plot, characters, and their descriptions and roles. A proficiency exam will be given at the end of the course.

AP SPANISH LANGUAGE AND CULTURE

Grade Level: 11, 12 **Course Code: 1A087X0**
Teleconferencing Course Code: 1A087X0TC
Prerequisites: Spanish III Honors or Spanish IV Honors, language proficiency **Credit: 1 unit, Weight: +1**

This intensive course is designed for highly motivated students to improve competency and gain proficiency in Spanish. The course provides extensive preparation for the AP Spanish language exam given in May. Students write compositions in Spanish and develop their speaking skills at an advanced level by making recordings. Students are expected to become competent in reading and understanding spoken Spanish using authentic sources. A concise review of grammar and extensive vocabulary are addressed throughout the year. Course content best reflects interests shared by the students and the teacher, e.g., the arts, current events, literature, culture, sports, etc. Spanish Language Advanced Placement seeks to develop useful language skills that can be applied to various activities and disciplines rather than being limited to any specific subject matter. Extensive practice in the organization and writing of compositions should also be emphasized. A proficiency exam will be given at the end of the course.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

English as a Second Language

Note: English as a Second Language (ESL) courses are intended for students with limited English proficiency. Student placement in the course is at the discretion of the ESL office after determining English proficiency in conjunction with graduation cohort requirements.

ENGLISH AS A SECOND LANGUAGE (ESL) I (ESL I-A, ESL I-B)

Grade Level: 9, 10, 11, 12 **Course Code: 10382X0**
Credit: 1 unit

The purpose of this course is to introduce non-English proficient students to the English language. It will provide students with basic skills in listening, speaking, reading, and writing through a "whole language" approach. Cultural similarities as well as differences are studied. Student assessment in all four-language skills will determine eligibility.

ENGLISH AS A SECOND LANGUAGE (ESL) II (ESL II-A, ESL II-B)

Grade Level: 9, 10, 11, 12
Prerequisite: ESL I **Credit: 1 unit**

This course is a continuation of ESL I. It provides limited English proficient students with intermediate skills in listening, speaking, reading, and writing. Increased progress in communication skills, vocabulary development, grammatical structure, literature, and culture is emphasized. Placement will be based on a student's mastery of skills in ESL I. End-of-year student assessment in all four language skills will determine if a student will "exit" the program or continue on to ESL III.

ENGLISH AS A SECOND LANGUAGE (ESL) III (ESL III-A, ESL III-B)

Grade Level: 9, 10, 11, 12
Prerequisite: ESL II **Credit: 1 unit**

This course is a continuation of ESL II. It provides limited English proficient students with advanced skills in listening, speaking, reading, and writing. Focus is on the student's enhancement of second language acquisition through reinforcement and refinement of skills learned in ESL II. Short stories, prose, and poetry are included. Placement will be based on a student's mastery of skills in ESL II. End-of-year assessment in all four language skills will determine if a student has mastered the skills needed to "exit" the program.

ENGLISH AS A SECOND LANGUAGE IV (ESL IV-A, ESL IV-B)

Grade Level: 9, 10, 11, 12
Prerequisite: ESL III **Credit: 1 unit**

This course is a continuation of ESL III. It provides advanced limited English proficient students with opportunities to develop full competence in listening, speaking, reading, and writing. Students will continue to refine critical thinking skills, continue to develop vocabulary and grammar skills, study various forms of literature in- depth, and exhibit competency in narrative, descriptive, expository, and persuasive writing. End-of-year assessment of students will determine if a student has mastered the language skills necessary to succeed in regular classes.

Mathematics

NC MATH 1 WITH FOUNDATIONAL SUPPORTS

Grade Level: 9 **Course Code: 20902X0S1, 20902X0S2**
Credit: 1 unit, Semester 1, 1 unit Semester 2

NC Math 1 with Foundational Supports is a yearlong course designed with the general structure of a foundational content lesson followed by a Math 1 lesson. The foundational content lessons offer an opportunity to both strengthen the content from the previous lesson and provide just-in-time support for the following lesson. Students can earn a general credit at the end of the first semester and a Math 1 credit at the end of the second semester. The NC Math 1 EOC will be administered at the end of the second semester.

FOUNDATIONS OF NC MATH 1

Grade Level: 9, 10, 11 **Course Code: 20902X0**
Credit: 1 unit

Foundations of NC Math 1 is a continuation of the mathematical skills and concepts studied in middle school. This course is intended for students who need a stronger, slower mathematical foundation before enrolling in NC Math 1. There will be an emphasis on developing concepts in algebra, functions and numbers and operations.

NC MATH 1

Grade Level: 9, 10, 11, 12 **Course Code: 21092X0**
Credit: 1 unit

NC Math 1 provides students the opportunity to study concepts of algebra, geometry, functions, number and operations, statistics, and modeling throughout the course. The focus in NC Math 1 is on linear, exponential, and quadratic functions. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties, interpreting categorical and quantitative data.

NC MATH 1 HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 21095X0**
Credit: 1 unit, Weight: +.5

NC Math 1 Honors addresses the topics of NC Math 1 with greater depth, rigor, and complexity. Students will engage in more comprehensive explorations of algebra, functions, and geometry, with additional topics and real-world applications integrated throughout the course..

FOUNDATIONS OF NC MATH 2

Grade Level: 10, 11, 12 **Course Code: 20912X0**
Credit: 1 unit

Foundations of NC Math 2 is a continuation of the mathematical skills and concepts studied in NC Math 1. This course is intended for students who need a stronger, slower mathematical foundation before enrolling in NC Math 2. There will be an emphasis on developing concepts in algebra, geometry and statistics.

NC MATH 2

Grade Level: 9, 10, 11, 12 **Course Code: 22092X0**
Credit: 1 unit

NC Math 2 continues a progression of the standards established in NC Math 1. In addition, there is a focus on quadratic, square root, and inverse variation functions. NC Math 2 includes congruence and similarity of figures, right triangle trigonometry, modeling with geometry, probability, and justifying conclusions.

NC MATH 2 HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 22095X0**
Credit: 1 unit, Weight: +.5

NC Math 2 Honors continues the progression of concepts from NC Math 1, with an emphasis on quadratic, square root, and inverse variation functions. Students will explore congruence and similarity of figures, right triangle trigonometry, geometric modeling, and probability while also learning to justify mathematical conclusions. This honors level course provides enhanced rigor, depth, and complexity to further challenge students and deepen their mathematical understanding.

FOUNDATIONS OF NC MATH 3

Grade Level: 10, 11, 12 **Course Code: 20922X0**
Credit: 1 unit

Foundations of NC Math 3 is a continuation of the mathematical skills and concepts studied in NC Math 2. This course is intended for students who need a stronger, slower mathematical foundation before enrolling in NC Math 3. There will be an emphasis on developing concepts in algebra, functions and geometry.

NC MATH 3

Grade Level: 9, 10, 11, 12 **Course Code: 23092X0**
Credit: 1 unit

NC Math 3 progresses from the standards learned in NC Math 1 and NC Math 2. In addition to these standards, NC Math 3 focuses on exponential, logarithmic, rational, polynomial, absolute value, and trigonometric functions. This extends to include algebraic concepts such as the complex number system, trigonometric functions and the unit circle. NC Math 3 also includes the geometric concepts of radians, angles, segments, and random sampling.

NC MATH 3 HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 23095X0**
Credit: 1 unit, Weight: +.5

NC Math 3 Honors builds upon the foundations of NC Math 1 and 2, focusing on advanced topics such as exponential, logarithmic, rational, polynomial, absolute value, and trigonometric functions. Students will explore the complex number system, trigonometric functions, the unit circle, and geometric concepts including radians, angles, and segments, while also engaging with probability through random sampling. This honors course challenges students with increased rigor, depth, and complexity to deepen their mathematical understanding.

NC MATH 4

Grade Level: 10, 11, 12 **Course Code: 24092X0**
Credit: 1 unit

NC Math 4 focuses 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.

NC MATH 4 HONORS

Grade Level: 10,11, 12 **Course Code: 24095X0**
Credit: 1 unit, Weight: +.5

NC Math 4 Honors deepens students' understanding of functions, trigonometry, and statistical concepts while reinforcing algebraic reasoning through the study of more complex functions. Honors students will engage in enhanced rigor, with depth and complexity to further challenge students and deepen their mathematical understanding.

DISCRETE MATHEMATICS FOR COMPUTER SCIENCE

Grade Level: 10, 11, 12 **Course Code: 24012X0**
Credit: 1 unit

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.

DISCRETE MATHEMATICS FOR COMPUTER SCIENCE HONORS

Grade Level: 10, 11, 12 **Course Code: 24015X0**
Credit: 1 unit, Weight: +.5

Discrete mathematics Honors for Computer Science addresses the topics of Discrete Math for Computer Science at a more comprehensive and rigorous level.

PRE-CALCULUS HONORS

Grade Level: 10, 11, 12 **Course Code: 24035X0**
Credit: 1 unit, Weight: +.5

Pre-calculus will 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.

AP STATISTICS

Grade Level: 11, 12 **Course Code: 2A037X0**
Credit: 1 unit, Weight: +1

AP Statistics, which follows the College Board Curriculum, introduces students to the major statistical concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns and departures from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP PRE-CALCULUS

Grade Level: 10, 11, 12 **Course Code: 2A047X0**
Teleconferencing Course Code: 2A047X0TC
Credit: 1 unit, Weight: +1

In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world. This course prepares students for calculus and prepares students to succeed in both STEM and no-STEM majors.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

AP CALCULUS (AB and BC)

Grade Level: 12 **Course Code: 2A007X0, 2A017X0**
Credit: 1 unit, Weight: +1

AP Calculus follows the College Board Curriculum to develop the students' understanding of the concepts of calculus (functions, graphs, limits, derivatives, and integrals) and provides experiences with its methods and applications. These courses encourage the geometric, numerical, analytical, and verbal expressions of concepts, results, and problems. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment. At the completion of either course, students will be required to take the Advanced Placement Exam.

ALTERNATE MATHEMATICS I

Grade Level: 9, 10, 11, 12 **Course Code: 20402X0**
Credit: 1 unit

Alternate Mathematics I provide learners an opportunity to apply mathematics concepts and skills from earlier high school mathematics courses in practical situations while focusing on learning skills associated with information and communication technology.

ALTERNATE MATHEMATICS II

Grade Level: 10, 11, 12 **Course Code: 20412X0**
Credit: 1 unit

Alternate Mathematics II provides learners an opportunity to apply mathematical concepts and skills from earlier high school mathematics courses to financial situations while using learning skills associated with information and communication technology.

Science

ANATOMY & PHYSIOLOGY

Grade Level: 11, 12 **Course Code: 33302X0**
Credit: 1 unit

Anatomy & Physiology is designed for students interested in pursuing a career in the health services. Emphasis will be placed on study of the function and structure of the human body. Laboratory investigations will be used to study important concepts.

ANATOMY & PHYSIOLOGY HONORS

Grade Level: 11, 12 **Course Code: 33305X0**
Credit: 1 unit, Weight: +.5

Anatomy & Physiology Honors is a rigorous curriculum designed to allow highly motivated students to conduct an in-depth study of the function and structure of the human body. Students are expected to work more independently completing two to three additional research projects.

BIOLOGY

Grade Level: 10, 11 **Course Code: 33202X0**
Credit: 1 unit

Through laboratory and literary investigations, the Biology course provides in-depth study of the following concepts: the cell, the molecular basis of heredity, biological evolution theory, the interdependence of organisms, matter, energy and organization in living systems, and the adaptive responses of organisms.

BIOLOGY HONORS

Grade Level: 9, 10 **Course Code: 33205X0**
Credit: 1 unit, Weight: +.5

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

AP BIOLOGY

Grade Level: 11, 12 **Course Code: 3A007X0**
Credit: 1 unit, Weight: +1

Advanced Placement Biology is equivalent to a two-semester college biology course that includes eight major themes: science as a process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature, and science, technology, and society. At the completion of this course, students will be required to take the Advanced Placement Exam.

EARTH/ENVIRONMENTAL SCIENCE

Grade Level: 9, 10, 11, 12 **Course Code: 35012X0**
Credit: 1 unit

The Earth/Environmental Science curriculum focuses on the functions of Earth's systems. Emphasis is placed on matter, energy, plate tectonics, origin and evolution of the earth, solar system, and universe, environmental awareness, weather and climate, human population dynamics and sustainable living, and the cycles that circulate matter and energy through the earth system.

EARTH/ENVIRONMENTAL SCIENCE HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 35015X0**
Credit: 1 unit, Weight: +.5

Honors Earth/Environmental Science is designed to allow highly motivated students to conduct an in-depth study of the Earth and Environmental Sciences. Students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. In order to develop a greater understanding of the processes that shape our everyday lives, the curriculum will integrate inquiry investigations and a variety of technologies with the study of earth as a system.

AP ENVIRONMENTAL SCIENCE

Grade Level: 9, 10, 11, 12 **Course Code: 3A027X0**
Teleconferencing Course Code: 3A027X0TC
Credit: 1 unit, Weight: +1

Advanced Placement Environmental Science is equivalent to a one semester college course that includes the following major topics: the origin and structure of the Universe, the interdependence of Earth Systems, human population dynamics, renewable and nonrenewable resources, air, water and soil quality, global changes and their consequences, and environmental decision making. At the completion of this course, students will be required to take the Advanced Placement Exam.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

CHEMISTRY

Grade Level: 10, 11, 12 **Course Code: 34202X0**
Credit: 1 unit

The Chemistry course encourages students to continue their investigation of the structure of matter along with chemical reactions and the conservation of energy in these reactions. Inquiry is applied to the study of the transformation, composition, structure, and properties of substances.

CHEMISTRY I HONORS

Grade Level: 10, 11, 12 **Course Code: 34205X0**
Credit: 1 unit, Weight: +.5

Chemistry Honors is an accelerated comprehensive laboratory course designed to give the students a more conceptual and in-depth understanding of concepts in the North Carolina Standard Course of Study in Chemistry. Students are expected to work independently on a variety of assignments and accept greater responsibility for their learning. The course will include additional Honors objectives and an in-depth study of at least two enrichment topics. Students will design and complete at least one in-depth independent study of chemistry directed questions.

AP CHEMISTRY

Grade Level: 11, 12 **Course Code: 3A017X0**
Credit: 1 unit, Weight: +1

Advanced Placement Chemistry is equivalent to a two-semester college chemistry course. Topics include atomic and molecular structure, descriptive inorganic and organic chemistry, stoichiometry, thermodynamics, chemical kinetics, chemical equilibrium, electrochemistry, the chemistry of aqueous solutions, and basic techniques of qualitative analysis. At the completion of this course, students will be required to take the Advanced Placement Exam.

PHYSICAL SCIENCE

Grade Level: 9, 10, 11, 12 **Course Code: 34102X0**
Credit: 1 unit

The Physical Science course will provide a foundation for the continued study of science. The curriculum will integrate the following topics in chemistry and physics: structure of atoms, structure and properties of matter, motion and forces, conservation of energy, matter, and charge.

PHYSICS

Grade Level: 11, 12 **Course Code: 34302X0**
Credit: 1 unit

Physics, the most fundamental of the natural sciences, is quantitative in nature and uses the language of mathematics to describe natural phenomena. Inquiry is applied to the study of matter and energy and their interaction. The following topics are "uncovered" in this curriculum: conservation of mass and energy, conservation of momentum, waves, and interactions of matter and energy.

PHYSICS HONORS

Grade Level: 11, 12 **Course Code: 34305X0**
Credit: 1 unit, Weight: +.5

Honors Physics uses the North Carolina Standard Course of Study for Physics as a foundation for more challenging and advanced study that enriches key topics and broadens the student's view of the larger physics community including current research. Increased depth of each topic as well as student-directed exploration and experimentation is a vital part of this course. At least two of the following enrichment topics will be included in course objectives: optics, nuclear physics, modern physics, electromagnetism, thermodynamics, and engineering.

AP PHYSICS 1: ALGEBRA BASED

Grade Level: 11, 12 **Course Code: 3A057X0**
Teleconferencing Course Code: 3A057X0TC
Credit: 1 unit , Weight: +1

Advanced Placement Physics 1: Algebra Based 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; mechanical waves and sound. It will also introduce electric circuits. At the completion of this course, students will be required to take the Advanced Placement Exam.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

AP PHYSICS 2: ALGEBRA BASED

Grade Level: 11, 12 **Course Code: 3A067X0**
Teleconferencing Course Code: 3A067X0TC
Prerequisite: AP Physics I **Credit: 1 unit, Weight: +1**

Advanced Placement Physics 2: Algebra-Based is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. At the completion of this course, students will be required to take the Advanced Placement Exam.

Note: This course may be available via Teleconferencing to all high school students who meet the qualifications.

AP PHYSICS C: ELECTRICITY AND MAGNETISM

Grade Level: 11, 12 **Course Code: 3A037X0**
Credit: 1 unit, Weight: +1

Advanced Placement Physics C: Electricity and Magnetism is equivalent to a semester college physics course and should provide instruction in each of the following five content areas; electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Calculus is used to develop concepts. One part of the Physics C examination covers mechanics; the other part covers electricity and magnetism. Students are permitted to take either one or both parts of this examination, and separate grades are reported for the two subject areas. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP PHYSICS C: MECHANICS

Grade Level: 11, 12 **Course Code: 3A047X0**
Credit: 1 unit, Weight: +1

Advanced Placement Physics C: Mechanics is equivalent to a semester college physics course and should provide instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation and oscillations and gravitation. Calculus is used to develop concepts. One part of the Physics C examination covers mechanics; the other part covers electricity and magnetism. Students are permitted to take either one or both parts of this examination, and separate grades are reported for the two-subject area. At the completion of this course, students will be required to take the Advanced Placement Exam.

Social Studies

WORLD HISTORY

Grade Level: 9, 10, 11, 12 **Course Code: 43032X0**
Credit: 1 unit

World History is designed to be a historical study of societies, nations, economies, events, and cultures of the many regions of the world, providing historical background for each area and details inclusive of change over time, historical impact, religion, diplomacy, culture practices and beliefs, and economic, political, and social institutions. The course is intended to examine the historical development of the world and global issues and patterns since 1200. The course also explores underlying themes of power and authority, change and continuity, human-environment interaction, globalization, cultural diffusion, and individual and group identity. This course seeks to move beyond the rote teaching of world history to the teaching of history in context to the world and global society in which students currently live and need to understand. With this in mind, it is important to note that this course is not designed to be a chronological study of history through periodization. The goal of this course is to blend the historical with the contemporary and current so that students begin to acquire an understanding of how the historical events and decisions of ancient, classical, and modern history have implications or lasting impacts that have influenced the world in which we currently live. This course or its equivalent is a graduation requirement.

WORLD HISTORY HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 43035X0**
Credit: 1 unit, Weight: +.5

World History Honors provides challenging opportunities for students to examine the historical development of the world and global issues and patterns since 1200. Specialized projects provide the student with a more extensive examination of the events which have influenced the development of the world. This course or its equivalent is a graduation requirement.

AMERICAN HISTORY

Grade Level: 9, 10, 11, 12 **Course Code: 43112X0**
Credit: 1 unit

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

AMERICAN HISTORY HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 43115X0**
Credit: 1 unit, Weight: +.5

American History Honors is a challenging high school course that examines the development of the United States from the aftermath of the French and Indian War to contemporary times. Beginning in 1763, students explore key events of American History. The course emphasizes critical analysis of primary and secondary sources, historical writing, and connections between past and present. As an honors-level class, it includes advanced discussions, projects, and assessments to deepen understanding of U.S. history.This course or its equivalent is a graduation requirement.

FOUNDING PRINCIPLES OF THE UNITED STATES AND NORTH CAROLINA: CIVIC LITERACY

Grade Level: 9, 10, 11, 12 **Course Code: 43182X0**
Credit: 1 unit

Civic Literacy is the study and understanding of citizenship and government. 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. This course satisfies the "Founding Principles" graduation requirement.

FOUNDING PRINCIPLES OF THE UNITED STATES AND NORTH CAROLINA: CIVIC LITERACY HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 43185X0**
Credit: 1 unit, Weight: +.5

Founding Principles of the United States and North Carolina: Civic Literacy Honors is an advanced high school course focused on the principles of government, citizenship, and democracy in the United States and North Carolina. Students examine historical and contemporary issues through critical analysis of primary sources, case studies, and advanced discussions. This honors-level course challenges students with more rigorous assignments and in-depth discussions to prepare them for active and informed participation in civic life.This course satisfies the "Founding Principles" graduation requirement.

ECONOMICS AND PERSONAL FINANCE

Grade Level: 9, 10, 11, 12 **Course Code: 43192X0**
Credit: 1 unit

The Economics and Personal Finance (EPF) course is intended to be a study of economics, personal finance, income and education, money management, critical consumerism, and financial planning. This course has been legislated by N.C. Session Law 2019-82, House Bill 924. Mastery of the standards and objectives of this course will inform and nurture responsible, participatory citizens who are competent and committed to responsible money management and financial literacy. This course is a graduation requirement for students who begin their freshman year in the 2020-2021 academic year or beyond.

ECONOMICS AND PERSONAL FINANCE HONORS

Grade Level: 9, 10, 11, 12 **Course Code: 43195X0**
Credit: 1 unit, Weight: +.5

Honors Economics and Personal Finance is an advanced-level course designed to equip students with a deep understanding of economic principles and personal financial management. Students will explore microeconomics, macroeconomics, and global markets while developing critical thinking and analytical skills. With a focus on ethical and informed practices, students will prepare to navigate complex economic systems and achieve long-term financial success. This course has been legislated by N.C. Session Law 2019-82, House Bill 924. Mastery of the standards and objectives of this course will inform and nurture responsible, participatory citizens who are competent and committed to responsible money management and financial literacy. This course is a graduation requirement for students who begin their freshman year in the 2020-2021 academic year or beyond.

AP EUROPEAN HISTORY

Grade Level: 10, 11, 12 **Course Code: 4A017X0**
Recommended: World History **Credit: 1 unit, Weight: +1**

AP European History is divided into three major categories: Political and diplomatic; intellectual and cultural; and social and economic. Students trace the development of these categories through several papers, and class discussions assist the student in tracing the development of these categories through history. This course cannot be used to satisfy the World History graduation requirement. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP HUMAN GEOGRAPHY

Grade Level: 9, 10, 11, 12 **Course Code: 4A027X0**
Teleconferencing Course Code: 4A027X0TC
Credit: 1 unit, Weight: +1

Advanced Placement Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. Students also learn about the methods and tools geographers use in their research and applications. At the completion of this course, students will be required to take the Advanced Placement Exam.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

AP PSYCHOLOGY

Grade Level: 10, 11, 12 **Course Code: 4A057X0**
Teleconferencing Course Code: 4A057X0TC
Credit: 1 unit, Weight: +1

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice. At the completion of this course, students will be required to take the Advanced Placement Exam.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

AP U.S. HISTORY

Grade Level: 10, 11, 12 **Course Code: 4A077X0**
Teleconferencing Course Code: 4A077X0
Credit: 1 unit, Weight: +1

The AP program in United States History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in studying the history of the United States beyond the state mandated survey course. The AP course prepares students for intermediate and advanced college courses. The work is designed to be extremely rigorous and challenging both in content and in its accelerated pacing. In depth writing assignments aligned to College Board standards are required. At the completion of this course, students will be required to take the Advanced Placement Exam. This course fulfills the American History graduation requirement.

Note: This course is available via Teleconferencing to all high school students who meet the qualifications.

AP UNITED STATES GOVERNMENT AND POLITICS

Grade Level: 11, 12 **Course Code: 4A067X0**
Recommended: American History **Credit: 1 unit, Weight: +1**

This course is a study of the governmental institutions affecting the structure and function of the American federal system. Students examine the relationship among the three branches of government and evaluate Constitutional issues focusing on the freedoms of American citizens. Because this is a College Board approved class with an exit exam, it provides a more rigorous curriculum focusing on critical analysis of issues through research and discussion. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP WORLD HISTORY: MODERN

Grade Level: 9, 10, 11, 12 **Course Code: 4A097X0**
Credit: 1 unit, Weight: +1

Advanced Placement World History offers an examination in World History to students who wish to complete studies in secondary school equivalent to an introductory college course in world history. The purpose of this course is to develop greater understanding of the evolution of global processes and contacts and interaction among different types of human societies. At the completion of this course, students will be required to take the Advanced Placement Exam. This course may be taken to meet the World History graduation requirement.

AFRICAN AMERICAN STUDIES

Grade Level: 10, 11, 12 **Course Code: 46012X0**
Credit: 1 unit

African Americans have made significant contributions to the economic, political, social, and cultural development of the United States. Through this course, students discover how African Americans have always been an integral part of the American experience. However, African Americans have also been a viable force unto themselves with their own experiences, culture, and aspirations. African American history cannot be understood except in the broader context of the United States' history.

AFRICAN AMERICAN STUDIES HONORS

Grade Level: 10, 11, 12 **Course Code: 46015X0**
Credit: 1 unit, Weight: +.5

While this course covers the same scope as African American Studies, the approach provides students with an opportunity to explore more deeply the significant contributions of African Americans throughout American history, culture, and society. Students will engage in critical analysis of the integral role of African Americans within the context of American history and examine the African American experience through a variety of academic lenses.

AP AFRICAN AMERICAN STUDIES

Grade Level: 10, 11, 12 **Course Code: 4A107X0**
Credit: 1 unit, Weight: +1

This course is designed to offer high school students an evidence-based introduction to African American studies. The course reaches into a variety of fields-literature, the arts and humanities, political science, geography, science-to explore the vital contributions and experiences of African Americans.

CURRENT AFFAIRS & ISSUES

Grade Level: 10, 11, 12 **Course Code: 48002X01**
Credit: 1 unit

Current Affairs is a study and discussion of local, national, and international current events. Emphasis is placed on determining how these events affect the lives of Americans. In order to promote greater student understanding of contemporary issues, students also study the historical background related to each topic. This course cannot be used as a substitute for American History: The Founding Principles, Civics, and Economics.

LEADERSHIP DEVELOPMENT

Prerequisite: SGA, Class or Club Officer **Course Code: 96102X0LD**
Credit: 1 unit

Planning for school activities, school service, and parliamentary procedure will be stressed in this course. This class should provide a study of the legal, educational and philosophical bases of student government. Activities may include travel to other campuses, area conferences and state conferences. The course is designed to teach leadership skills and to give practical experience in the field of student government. The course may be taken three times for credit.

PSYCHOLOGY

Grade Level: 10, 11, 12 **Course Code: 44032X0**
Credit: 1 unit

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

SOCIOLOGY

Grade Level: 10, 11, 12 **Course Code: 44002X0**
Credit: 1 unit

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

Arts Education

GENERAL MUSIC (Music Specialization- Beginning)

Grade Level: 9, 10, 11, 12 **Course Code: 52162X0**
Credit: 1 unit

Students develop knowledge and skills in musical literacy, response and relevancy. Course content is aligned to the Standard Course of Study curriculum for music at the beginning level. Students gain musical literacy through singing and playing simple instruments, reading and notating music, improvising, composing, and arranging music. For musical response, students focus on listening to, describing, analyzing, critiquing, and evaluating music. Students understand musical relevancy by applying musical knowledge in relation to history, culture, heritage, other content areas, concepts, 21st century skills and lifelong learning.

MUSIC APPRECIATION

Grade Level: 9, 10, 11, 12 **Course Code: 52162X0MA**
Credit: 1 unit

Students develop an understanding and appreciation of music as a fine art through the study of varied music literature. Students build musical literacy through an examination of the interacting elements of music in response to music literature and music performances. Students develop knowledge and skills in musical response and relevance as they listen to, analyze, and evaluate music in relation to history, culture, and other content areas. Course content is aligned to the Standard Course of Study curriculum for music at the beginning level.

MUSIC THEORY (Music Specialization-Accomplished)

Grade Level: 10, 11, 12 **Course Code: 52172X0**
Prerequisite: Successful completion of an intermediate level music course **Credit: 1 unit**

Music Theory is a standard level course open to students who have prior musical experience (vocal or instrumental) at an intermediate level in high school. This course is a survey of musical form, structure, notation, sight singing, and development as applied to practice in contemporary American music as well as historical contributions of various cultures and geographic influences. This course is aligned to the Standard Course of Study curriculum for music at the proficient level. Students create and maintain portfolios containing written, audio, or visual examples of their work for evaluation.

AP MUSIC THEORY

Grade Level: 11, 12 **Course Code: 5A017X0**
Prerequisite: Accomplished level music course **Credit: 1 unit, Weight: +1**

This course is designed for the advanced music student who plans to study or major in music or music education in college. The course reflects the content and level of skills of a first-year college music course. The goal of this course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a musical score. Students develop aural, sight-singing, written, compositional, and analytical skills through listening, performance, written, creative and analytical activities and assignments. Students create and maintain portfolios containing written, audio, or visual examples of their work. Additional emphasis is placed on music styles and cultural and historical influences. At the completion of this course, students are expected to take the Advanced Placement Exam.

VOCAL MUSIC-BEGINNING

Grade Level: 9, 10, 11, 12 **Course Code: 52302X0**
Credit: 1 unit

Vocal Music-Beginning is an introductory choral music course for students interested in singing and musical performance but have limited choral music experience. This course provides a mixed performing ensemble featuring vocal music literature at levels II-III. Students develop and demonstrate appropriate vocal practices, refine the use of the voice as an instrument, sing vocal literature which include changes in tempi, keys, and meters and represent diverse genres, styles, historical periods, and cultures. Course components include the fundamentals of music sight-singing, vocal techniques, ensemble and performance techniques as well as improvising, composing and arranging music and listening to, analyzing, and evaluating musical experiences. Course content is aligned to the Standard Course of Study curriculum for music at the beginning level. Activities may include required evening and weekend rehearsals and performances. All concert rules apply. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VOCAL MUSIC-INTERMEDIATE

Grade Level: 9, 10, 11, 12 **Course Code: 52312X0**
Prerequisite: Placement Audition **Credit: 1 unit**

Vocal Music -Intermediate provides a mixed performing ensemble featuring vocal music literature at Levels III-IV. Students should be able to sight-read and have a general understanding of music theory and notation. Music of various styles, cultures, and historical periods are included in the repertoire of choral literature studied and performed. Course content is aligned to the Standard Course of Study curriculum for music at the intermediate level. Performance is an important component of this course and may include required evening and weekend concerts. All concert rules apply. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VOCAL MUSIC-ACCOMPLISHED

Grade Level: 9, 10, 11, 12 **Course Code: 52325X0**
Prerequisite: Successful completion of an intermediate level music course and Placement Audition **Credit: 1 unit, Weight: +.5**

Vocal Music-Accomplished is an honors level course offering a performing ensemble for students displaying refined levels of vocal practice and uses of the voice as an instrument. Students study and perform vocal music literature at levels IV-V and gain an understanding of vocal literature in relation to varied styles, history, cultures, and other content areas. Course content is aligned to the Standard Course of Study curriculum for music at the accomplished level. Learning activities build skills in improvising, composing, and arranging music. Students also listen to, analyze, and evaluate musical performances. Students create and maintain portfolios containing written, audio, or visual examples of their work for evaluation. Performance is an important and required component of this course and may include required evening and weekend participation. All concert rules apply. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VOCAL MUSIC-ADVANCED

Grade Level: 9, 10, 11, 12 **Course Code: 52335X0**
Prerequisite: Successful completion of a proficient level choral music course and Placement Audition **Credit: 1 unit, Weight: +.5**

Vocal Music-Advanced is an honors level course offering an advanced vocal performance ensemble. Students perform choral literature at levels V-VI that requires advanced technical and interpretive skills, the ability to perform in various meters, keys, unusual meters, complex rhythms, and subtle dynamic requirements of music of varied styles, cultures, and historical periods. Course content is aligned to the Standard Course of Study music curriculum at the advanced level. Students create and maintain portfolios containing a combination of written, audio, or visual examples of their work for evaluation. Performance is an important component of this course and students may be required to participate in evening and weekend activities and performances. All concert rules apply. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VOCAL ENSEMBLE I (Vocal Music-Accomplished)

Grade Level: 9, 10, 11, 12 **Course Code: 54175X0**
Prerequisite: Successful completion of an intermediate level choral course and audition **Credit: 1 unit, Weight: +.5**

This course features a balanced S.A.T.B. (Soprano, Alto, Tenor, Bass) vocal ensemble that performs a varied repertoire of traditional and contemporary musical levels IV-V. Movement and choreography accompany appropriate literature. Vocal Ensemble is an honors level course aligned to the Standard Course of Study music curriculum at the proficient level. Students create and maintain portfolios containing written, audio, or visual examples of their work for evaluation. Performance is an integral part of this course and may involve required evening and weekend rehearsal and concerts. All concert rules apply. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VOCAL ENSEMBLE II (Vocal Music-Advanced)

Grade Level: 9, 10, 11, 12 **Course Code: 52335X0**
Prerequisite: Successful completion of a proficient level choral course and audition **Credit: 1 unit, Weight: +.5**

This course features a balanced S.A.T.B. (Soprano, Alto, Tenor, Bass) vocal ensemble that performs a varied repertoire of traditional and contemporary musical levels V-VI. Movement and choreography accompany appropriate literature. Vocal Ensemble II is an honors level course aligned to the Standard Course of Study music curriculum at the advanced level. Students create and maintain portfolios containing written, audio, or visual examples of their work for evaluation. Performance is an integral part of this course and may involve required evening and weekend rehearsal and concerts. All concert rules apply. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

BAND-BEGINNING

Grade Level: 9, 10, 11, 12 **Course Code 52552X0:**
Credit: 1 unit

This course is offered only as needed with the approval of the band director and principal. Band students who have successfully completed the middle school band program are eligible to enroll in Band-Intermediate. Band-Beginning is an introductory level band class for students with limited or no instrumental experience. This course is a performance-oriented class with emphasis on music at levels I-III. Students develop and demonstrate fundamental instrumental practices and play literature that may include changes in tempi, keys, and meters. Students develop basic skills in improvising, composing and arranging music and apply reading, music notation as well as skills in listening to, analyzing, and evaluating musical experiences. Music of varied styles, cultures, and historical periods is studied and played. All scheduled activities are required and may include evening and weekend concerts, assemblies, parades, festivals/concert contests, school-sponsored events, and community activities. Band students are expected to be members of the marching band. The principal or band director may permit exceptions. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

BAND-INTERMEDIATE

Grade Level: 9, 10, 11, 12 **Course Code: 52562X0**
Prerequisite: Successful participation in a middle school band program, Placement Audition **Credit: 1 unit**

Band-Intermediates a performance-oriented class with emphasis on music literature at levels III-IV. Students develop and demonstrate appropriate instrumental practices and play literature that may include changes in tempi, keys, and meters. Students develop skills in improvising, composing and arranging music and apply reading, music notation as well as skills in listening to, analyzing, and evaluating musical experiences. Music of varied styles, cultures, and historical periods is studied and played. This course is aligned to the Standard Course of Study music curriculum at the intermediate level. All scheduled activities are required and may include evening and weekend concerts, assemblies, parades, festivals/concert contests, school-sponsored events, and community activities. Band students are expected to be members of the marching band. The principal or band director may permit exceptions. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

BAND-ACCOMPLISHED

Grade Level: 9, 10, 11, 12 **Course Code: 52575X0**
Prerequisite: Successful completion of an intermediate level band course and Placement Audition **Credit: 1 unit, Weight: +.5**

Band-Accomplished is an honors level performance-oriented course that develops technical accuracy and expression needed for rigorous ensemble and solo performance. This course is aligned to the Standard Course of Study music curriculum at the proficient level. Band-Accomplished focuses on music literature at levels IV-V that requires well- developed technical skills, attention to phrasing and interpretation, and the ability to perform various meters and rhythms in a variety of keys. This course provides a foundation for proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research culminating in written reports. Students broaden and refine their skills in improvising, composing and arranging music and their knowledge of music in the context of historical periods, cultures, and contemporary styles and genres. Students formulate and apply aesthetic criteria to analyze, evaluate, and describe musical compositions and performances. Students create and maintain portfolios containing written, audio, or visual examples of their work for evaluation. All scheduled activities are required and may include evening and weekend concerts, assemblies, parades, festivals/concert contests, school-sponsored events, and community activities. Band members are expected to be members of the marching band. The principal or band director may make exceptions. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

BAND-ADVANCED

Grade Level: 9, 10, 11, 12 **Course Code: 52585X0**
Prerequisite: Successful completion of a proficient level band course and Placement Audition **Credit: 1 unit, Weight: +.5**

Band-Advanced is an advanced honors level performing ensemble for highly skilled and motivated high school band students. This course is aligned to the Standard Course of Study music curriculum at the advanced level and focuses on music literature at levels V-VI. Students gain advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research. This course promotes advanced technical and interpretive skills, the ability to perform in various meters, keys, unusual meters, complex rhythms, and subtle dynamic requirements. Students develop personal aesthetic criteria for analysis and evaluation. Students create and maintain portfolios containing written, audio, or visual examples of their work for evaluation. Membership is determined by instrumental proficiency and instrumentation needs. All scheduled activities are required and may include evening and weekend concerts, assemblies, parades, festivals/concert contests, school-sponsored events, and community activities. Band students are expected to be members of the marching band. The principal or band director may make exceptions. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

JAZZ ENSEMBLE I (Music Specialization - Intermediate)

Grade Level: 9, 10, 11, 12 **Course Code: 52172X0**
Prerequisite: Audition **Credit: 1 unit**

Jazz Ensemble students' study and perform music of many styles, ranging from the Jazz and Big Band eras to Post-Modern and Contemporary. Instrumentation is based on enrollment and auditions as determined by the band director. Music literature to be performed will focus on intermediate level III-IV. Jazz Ensemble is aligned to the Standard Course of Study music curriculum at the intermediate level. Jazz Ensemble is a performance-oriented class and may include evening and weekend performances for student participation and evaluation. All scheduled activities and performances are required. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

JAZZ ENSEMBLE II (Music Specialization -Accomplished)

Grade Level: 10, 11, 12 **Course Code: 52185X0**
Prerequisite: Audition **Credit: 1 unit, Weight: +.5**

Jazz Ensemble II students continue in the study and performance of music of many styles, ranging from the Jazz and Big Band eras to Post-Modern and Contemporary. Instrumentation is based on enrollment and auditions as determined by the band director. Music literature to be performed will focus on intermediate levels IV-V. Jazz Ensemble II is aligned to the Standard Course of Study music curriculum at the proficient level. Jazz Ensemble II is a performance-oriented honors level class and may include evening and weekend performances for student participation and evaluation. All scheduled activities and performances are required. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

ORCHESTRA-BEGINNING

Grade Level: 9, 10, 11, 12 **Course Code: 52402X0**
Credit: 1 unit

This course is offered only as needed with the approval of the orchestra director and principal. *This course may not be offered at high schools with one orchestra class.* Orchestra-Beginning is an introductory level course for students with little or no string instrument experience. Instruction on individual and group technique is offered for the violin, viola, cello, and string bass and is aligned with the Standard Course of Study music curriculum at the beginning level. This course is a performance-oriented class that plays instrumental literature at levels I-III focusing on music fundamentals, changes in tempi, key signatures, and meter. Music literature represents diverse genres, styles, cultures and historical periods. Students develop basic skills in improvising, composing and arranging music as well as listening to, analyzing, and evaluating musical experiences. Scheduled activities are required including concerts, assemblies, festivals/contests, school-sponsored events, and community activities during the school day, evening or weekend. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

ORCHESTRA-INTERMEDIATE

Grade Level: 9, 10, 11, 12 **Course Code: 52412X0**
Prerequisite: Successful completion of Middle school Orchestra program, Placement Audition **Credit: 1 unit**

Orchestra-Intermediate offers instruction on individual and group technique in violin, viola, cello, and string bass and is aligned to the Standard Course of Study music curriculum at the intermediate level. This is a performance-oriented class with emphasis on music at levels III-IV featuring intermediate technical demands, expanded ranges, and varied interpretive requirements. Music literature represents diverse genres, styles, cultures and historical periods. Students develop skills in improvising, composing and arranging music as well as listening to, analyzing, and evaluating musical experiences. Scheduled activities are required including concerts, assemblies, festivals/contests, school-sponsored events, and community activities during the school day, evening or weekend. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

ORCHESTRA-ACCOMPLISHED

Grade Level: 9, 10, 11, 12S **Course Code: 52425X0**
Prerequisite: Successful completion of an intermediate level orchestra course and Placement Audition **Credit: 1 unit, Weight: +.5**

Orchestra-Accomplished is an honors level course that promotes student proficiencies as individual players and as members of a performing ensemble. This course is a performance-oriented class with emphasis on music at levels IV-V requiring well-developed technical skills, attention to phrasing and interpretation and the ability to perform various meters and rhythms in a variety of keys. This course is aligned to the Essential Standard music curriculum at the proficient level. An understanding of instrumental literature in relation to history, culture, and other content areas is gained by studying and playing literature representing diverse genres, styles, and cultures. This course also promotes proficiencies in conducting, listening, analyzing, composing, the use of current technology, and research. Students create and maintain portfolios that contain a combination of written, audio, or visual examples of their work for evaluation. Participation in daytime, evening and weekend rehearsals, concerts and events is required. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

ORCHESTRA-ADVANCED

Grade Level: 9, 10, 11, 12 **Course Code: 52435X0**
Prerequisite: Successful completion of proficient level orchestra course and Placement Audition **Credit: 1 unit, Weight: +.5**

Orchestra-Advanced is an advanced honors level performing ensemble for highly skilled and motivated high school orchestra students focusing on music literature at levels V-VI. This course promotes advanced technical and interpretive skill, the ability to perform in various meters, keys, unusual meters, complex rhythms, and subtle dynamic requirements. This course is aligned to the Standard Course of Study music curriculum at the advanced level and provides instruction for advanced proficiencies in performance, conducting, listening, appreciation, history, analyzing, composing, the use of current technology, and research. Students create and maintain portfolios that contain a combination of written, audio, or visual examples of their work for evaluation. Focuses include orchestral techniques, instrumental pedagogy, music theory, music history, improvisation, composition, analysis and evaluation of musical experiences and ensemble skills. Students develop personal aesthetic criteria for analysis and evaluation. Participation in daytime, evening and weekend rehearsals, concerts and events is required. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

ART APPRECIATION (Visual Arts Specialization-Beginning)

Grade Level: 9, 10, 11, 12 **Course Code: 54612X0**
Credit: 1 unit

Through the study of significant artists and artworks, students gain an appreciation of the elements of art, design principles and creative processes involved in visual arts. Students expand their use of art terminology as they view, analyze and critique artwork from various cultures and historical periods. Students use oral and written analysis and evaluation of artworks to develop critical thinking skills to gain an understanding of the connections that the visual arts have to culture, history, other disciplines and careers. Course content is aligned to the Standard Course of Study visual arts curriculum at the beginning level.

VISUAL ARTS-BEGINNING

Grade Level: 9, 10, 11, 12 **Course Code: 54152X0**
Credit: 1 unit

Visual Arts-Beginning is an introductory studio art course for students with limited art experiences. This course is aligned to the Standard Course of Study visual arts curriculum at the beginning level and features the foundational study of the elements of art and principles of design, color theory, art vocabulary, use and care of art tools and equipment, art criticism, art history and safety in the art room. Visual Arts- Beginning explores various art media, processes, procedures, aesthetic theories and historical developments. Essential materials are supplied. Students may be asked to supply special project materials. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VISUAL ARTS-INTERMEDIATE

Grade Level: 9, 10, 11, 12 **Course Code: 54162X0**
Prerequisite: Successful completion of a beginning level art course, submission of Placement Portfolio **Credit: 1 unit**

Visual Arts-Intermediate is a studio course aligned to the Standard Course of Study visual arts curriculum at the intermediate level. Various art processes, techniques, procedures, and theories are presented in a problem-solving context allowing for independent choices and personal solutions. Students use a larger variety of tools, media, and processes and learn to select the most appropriate for finding innovative artistic solutions. Students begin developing their personal artistic style while adhering to basic design principles. Students use art vocabulary to analyze and evaluate the composition of works of art. Students gain knowledge and understanding of past and present art forms, through the study of a variety of artists, artworks, cultures and historical periods. Essential materials are supplied. Students may be asked to supply special project materials. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VISUAL ARTS-ACCOMPLISHED HONORS

Grade Level: 10, 11, 12 **Course Code: 54175X0**
Prerequisite: Successful completion of an intermediate level art course with submission of Placement Portfolio **Credit: 1 unit, Weight: +.5**

Visual Arts-Accomplished is an honors level studio course that provides a more in-depth approach to the study of art processes and techniques, aesthetic issues, art criticism, art appreciation and art history. Students create art by analyzing the relationship between media, processes, and results. Students use art vocabulary to analyze and evaluate compositions, understand the relationship between personal expression and design and recognize historical and contemporary art styles, themes and genres. Students form artistic goals, develop appropriate work habits, and consider art careers. Knowledge of the arts in relation to culture, history, other disciplines, and careers is promoted through visual, verbal, and written means. Art history, criticism, and aesthetics are studied in conjunction with selected artworks leading to the development of a personal philosophy of art. Students create and maintain portfolios to document personal choices and growth as artists. Essential materials are supplied. Students may be asked to supply special project materials. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

VISUAL ARTS-ADVANCED HONORS

Grade Level: 10, 11, 12 **Course Code: 54185X0**
Prerequisite: Successful completion of a proficient level art course with submission of Placement Portfolio **Credit: 1 unit, Weight: +.5**

Visual Arts-Advanced is an advanced level honors course promoting an in-depth knowledge of art processes, media, styles, history and aesthetics. Student efforts are based on further developing personal expression and styles, applied design, analysis of compositional components and contemporary themes. Students use specialized art tools, processes and media appropriately, safely and effectively. Assignments may focus on artistic analysis and critique through reading and writing assignments, independent research, and art appreciation activities. Students create and maintain portfolios to document personal choices and growth as artists for evaluation. Students take part in planning and installing an exhibition of their work. Essential materials are supplied. Students may supply special project materials. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

AP STUDIO ART: Drawing; 2-D Design (9-12) AP; Studio Art: 3-D Design (9-12) AP)

Grade Level: 10, 11, 12 **Course Code: 5A027X0(2-D), 5A047X0 (Drawing), 5A037X0 (3-D)**
Prerequisite: Accomplished level visual arts course **Credit: 1 unit, Weight: +1**

The AP Studio Art program offers three choices of Advanced Placement level portfolios: Drawing, 2-D Design or 3-D Design designed to provide students with learning experiences equivalent to **STUDIO ART (Drawing (9-12) AP; 2-Design (9-12) AP; Studio** introductory college level courses. According to the Advanced Placement College Board National Guidelines, students are to develop and submit for evaluation one portfolio of artwork in their chosen concentration which reflects the artistic quality, concentration and breadth of an intense examination of the elements and principles in their artwork. Student work should reflect artistic quality, concentration and breadth in a selected concentration of either Drawing, 2-D Design or 3-D Design. Students are required to furnish some special project materials. Students create and maintain portfolios to document personal choices and growth as artists. At the completion of this course, students are expected to submit digital and physical portfolios of their work for evaluation.

AP ART HISTORY

Grade Level: 10, 11, 12 **Course Code: 5A007X0**
Prerequisite: Successful completion of proficient level visual arts course **Credit: 1 unit, Weight: +1**

AP Art History is an advanced placement level course offering students similar instructional experiences as an introductory college course in art history. Students examine and critically analyze major forms of artistic expression including architecture, sculpture, painting and other media from the past and the present from a variety of cultures. Students learn to look at works of art critically, with intelligence and sensitivity. Students may furnish special project materials. Students create and maintain portfolios for documentation and evaluation. At the completion of this course, students are expected to take the Advanced Placement Exam.

THEATRE ARTS-BEGINNING

Grade Level: 9, 10, 11, 12 **Course Code: 53152X0**
Credit: 1 unit

Theatre Arts-Beginning is an introductory level course for students with little to no theatre arts experiences. This course is aligned to the Standard Course of Study theatre arts curriculum at the beginning level. This course focuses on essential theatre arts vocabulary and creative processes, writing simple plays and scenes, reading and researching theatre literature, acting and basic technical theatre. The fundamentals of speaking, acting, improvisation, stage movement, directing, technical theatre, make-up, scenery, lighting, and costumes are covered with a highlight on practical application through the presentation of informal productions such as scenes and simple plays. Students develop an understanding of theatre literature reflecting on aspects of the theatre through history and different cultures. Activities and performances may include required daytime, evening and weekend participation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

THEATRE ARTS-INTERMEDIATE

Grade Level: 9, 10, 11, 12 **Course Code: 53162X0**
Prerequisite: Successful completion of a beginning level Theatre Arts course **Credit: 1 unit**

Theatre Arts-Intermediate offers a more detailed study of theatre vocabulary, reading, writing and critiquing of theatre literature, acting techniques and technical theatre. This course is aligned to the Standard Course of Study theatre arts curriculum at the intermediate level. Students use both verbal and non-verbal skills such as observation, concentration, and characterization to explore improvisation and acting techniques. Students analyze plot structure and thematic, technical and dramatic elements in selected theatre arts literature. Students build and apply skills in technical theatre, costuming, publicity, and box office management. Students extend their acting skills by participating in a variety of formal and informal theatrical presentations. Students study theatre arts literature reflecting historical and contemporary genres and cultures. Activities and performances may include required daytime, evening or weekend participation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

TECHNICAL THEATRE I (Theatre Arts Specialization- Intermediate)

Grade Level: 9, 10, 11, 12 **Course Code: 53622X0**
Prerequisite: Successful completion of a beginning level Theatre Arts course **Credit: 1 unit**

This intermediate level course is for students with an interest in "hands-on" learning about the technical elements of theatrical production. Students get a "behind the scenes" look at theatre organization, management and operation. Students learn about stagecraft as they design, build, and paint scenery, explore special effects and typical theatrical machinery. Students learn about lighting, sound, and scenic design through a theatrical production. This course is aligned to the Standard Course of Study theatre arts curriculum at the intermediate level. Performances for the school and community are required and may involve some daytime, evening, or weekend participation.

TECHNICAL THEATRE II (Theatre Arts Specialization - Accomplished)

Grade Level: 10, 11, 12 **Course Code: 53635X0**
Prerequisite: Successful completion of Technical Theatre I **Credit: 1 unit, Weight: +.5**

Technical Theatre II is an honors level course for students with a foundational understanding of theatrical production. This course is aligned to the Standard Course of Study theatre arts curriculum at the proficient level. Students are offered opportunities for leadership and artistic design as they continue their study of production and technical elements of lighting, sound, sets, costuming, makeup, and other stagecraft as well as theatre organization, management and operation. Students create and maintain portfolios that contain a combination of written, audio, or visual examples of their work for evaluation. Performances for the school and community are required and may involve some daytime, evening or weekend participation.

THEATRE ARTS-ACCOMPLISHED

Grade Level: 10, 11, 12 **Course Code: 53175X0**
Prerequisite: Successful completion of an intermediate level theatre arts course and placement audition **Credit: 1 unit, Weight: +.5**

Theatre Arts-Accomplished is an honors level course offering opportunities for students to use their voices, bodies, and minds to communicate as they develop into well-rounded actors and begin to practice analysis and critique of their own work and the work of others. This course places a greater emphasis on the execution of skills, ensemble work, and collaboration with other artists. Students read and analyze a wider variety of theatre literature and styles from theatre history and various cultures with special focus on American history and traditions. Through the study of directing, students learn how to use stage space, communicate effectively with actors, and develop prompt books, and direct scenes and one-act plays. Students apply their technical knowledge to analyze design concepts and problem solve in technical areas of sound, lighting, set, and costuming. Performances for the school and community are required and may require daytime, evening or weekend participation. Students maintain portfolios of their work and experiences for evaluation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

PLAY PRODUCTION (Theatre Arts Specialization - Advanced)

Grade Level: 10, 11, 12 **Course Code: 53645X0**
Prerequisite: Successful completion of a proficient level theatre arts course and placement audition **Credit: 1 unit, Weight: +.5**

Play Production is an honors level course requiring students to use organizational and communication skills in producing ensemble performances for the school and community. Play Production is aligned to the Standard Course of Study theatre arts curriculum at the proficient level. Opportunities to examine self-motivation, personal discipline and the ability to work independently and with others are features of the instructional process as students form aesthetic judgments and refine artistic choices. Rehearsals and performances may require some daytime, weekend, or evening participation. Students are required to perform technical theatre duties in the areas of makeup, costuming, lighting, sound, and sets. Students maintain a portfolio of their work and related activities for evaluation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

THEATRE ARTS-ADVANCED

Grade Level: 10, 11, 12 **Course Code: 53185X0**
Prerequisite: Successful completion of a proficient level theatre arts course and placement audition **Credit: 1 unit, Weight: +.5**

Theatre Arts-Advanced is a rigorous honors level course aligned to the Standard Course of Study theatre arts curriculum at the advanced level. This course challenges students to be initiators and leaders as they apply verbal, non-verbal and movement skills for expression in both improvisational and scripted theatrical settings and individual, ensemble and collaborative working environments. Students analyze and critique plot structure, pacing, given circumstances and character development within plays from a variety of theatre literature. Students use technical knowledge and design skills to formulate designs for productions. Students investigate and understand the traditions, roles and conventions of theatre as an art form through an analysis of social, historical and cultural contexts. Performances for the school and community are required and may require some daytime, evening or weekend participation. Students maintain a portfolio of their work and experiences for evaluation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

DANCE-BEGINNING

Grade Level: 9, 10, 11, 12 **Course Code: 51152X0**
Credit: 1 unit

Dance-Beginning is an introductory level course for students with little to no dance experience and is aligned to the Standard Course of Study dance curriculum at the beginning level. This course explores movement as a creative art form and focuses on the use of kinesthetic awareness, proper body alignment, physical strength, flexibility and endurance, and care of the dance instrument. Students explore the use of dance elements, choreographic principles, improvisation, and basic modern dance technique to create and enhance dances that communicate ideas, experiences, feelings, and images. Through dance ensemble work, students experience the role of both choreographer and dancer and have opportunities to present their work. Students explore dance in various cultures and historical periods, career opportunities and connections with other art forms and subject areas. Rehearsals and performances are required and may require some daytime, weekend, or evening participation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

DANCE-INTERMEDIATE

Grade Level: 9, 10, 11, 12 **Course Code: 51162X0**
Prerequisite: Successful completion of beginning level dance course and placement audition **Credit: 1 unit**

Dance-Intermediate emphasizes intermediate movement skills and performance values, through the study of selected dance techniques and genres. This course is aligned to the Standard Course of Study dance curriculum at the intermediate level. Students learn to take responsibility for their personal health and to care for their dance instrument. Students continue to explore improvisation, dance elements and composition as both dancer and choreographer. Students create dances that vary the use of dance elements and use simple choreographic principles and structures to fulfill choreographic tasks. Students present the skills they have learned to selected audiences and use technical/theatrical skills for dance production. Students extend their understanding of dance as an art form through the study of aesthetic and philosophical perspectives of selected dance artists and dance history in a variety of cultural contexts. Students learn and use appropriate dance behaviors and etiquette as dancers, performers, choreographers and observers. Rehearsals and performances are required and may include daytime, weekend, or evening participation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

DANCE-ACCOMPLISHED

Grade Level: 10, 11, 12 **Course Code: 51175X0**
Prerequisite: Successful completion of an intermediate level dance course and placement audition **Credit: 1 unit, Weight: +.5**

Dance-Accomplished is an honors level course focusing on dance technique, choreography, dance history and aesthetic exploration. Students demonstrate commitments to personal fitness and to attaining proficient levels of technical skill through the integration of anatomy, body organization and body skills in dance. Students perform with greater fluency, precision, and articulation and integrate breath support into dance movement, phrasing, and expression. Students combine the use of improvisation, dance elements, choreographic principles, and technical/theatrical elements to explore the creation of meaningful dance compositions. Students use a defined creative process to plan, create, revise and present dances using selected dance elements, choreographic principles, structures, processes and production elements to fulfill artistic intent and meet aesthetic criteria. Students analyze the impact of their own choreography and the work of others and use teacher, peer and self- assessments to refine performance and compositions. Students create interdisciplinary projects and continue their study of dance through a variety of cultures and historical periods with an emphasis on the role of dance in US history. This course is aligned to the Standard Course of Study dance curriculum at the proficient level. Students create and maintain portfolios containing written and visual examples of their work for evaluation. Rehearsals and performances are required and may include some daytime, weekend, or evening participation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

DANCE-ADVANCED (Dance IV)

Grade Level: 10, 11, 12 **Course Code: 51185X0**
Prerequisite: Successful completion of a proficient level dance course and placement audition **Credit: 1 unit, Weight: +.5**

Dance-Advanced is a rigorous honors level course aligned to the Standard Course of Study dance curriculum at the advanced level. Students create dances using movement choices, choreographic principles, structures, processes and production elements to fulfill artistic intent and aesthetic criteria. Students use expanded aesthetic criteria to analyze, synthesize, and evaluate their own choreography as well as the work of others. Students examine the creative process of integrating movement with choreographic intent. Students interpret dance from personal, cultural, and historical contexts focusing on the dance styles of important 20th and 21st century choreographers. Students maintain portfolios containing written and visual examples of their work for evaluation. Rehearsals and performances are required and may include some daytime, weekend, or evening participation. Students may enroll in the same arts education course for multiple semesters or until approved for the next level by the instructor.

Agricultural Education

FOUNDATIONS OF AGRICULTURE

Grade Level: 9, 10, 11, 12 **Course Code: AU102X0**
Credit: 1 unit

Explore the sectors of the agriculture industry through hands-on activities. Develop a foundation of agricultural literacy to become an advocate in the community. Establish an understanding of the process to produce agricultural commodities in the areas of plant science, agriculture mechanics, animal science, and natural resources. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in agriculture, energy, and natural resources.

ANIMAL SCIENCE I

Grade Level: 9, 10, 11, 12 **Course Code: AA212X0**
Prerequisite: Foundations of Agriculture Strongly Recommended **Credit: 1 unit**

Explore the impact animal physiology has on animal nutrition and health. Identify animals using physical traits and characteristics. Implement best management practices to select healthy animals. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway.

ANIMAL SCIENCE II- COMPANION ANIMAL

Grade Level: 9, 10, 11, 12 **Course Code: AA232X0**
Prerequisite: Animal Science I **Credit: 1 unit**

Integrate safe handling practices to groom and care for companion animals and identify companion animals using physical traits and characteristics. Illustrate knowledge of nutritional and digestive needs through experiential activities. Establish a foundation of veterinary medical terminology and procedures. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway. ** For safety reasons, enrollment should not exceed 25 students.*

ANIMAL SCIENCE II-COMPANION ANIMAL-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: AA235X0**
Prerequisite: Animal Science I **Credit: 1 unit, Weight: +.5**

Integrate safe handling practices to groom and care for companion animals and identify companion animals using physical traits and characteristics. Illustrate knowledge of nutritional and digestive needs through experiential activities. Establish a foundation of veterinary medical terminology and procedures. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway. This honors course extends the standard course to a higher, more challenging level. ** For safety reasons, enrollment should not exceed 25 students.*

EQUINE SCIENCE I

Grade Level: 9, 10, 11, 12 **Course Code: AA312X0**
Prerequisite: Foundations of Agriculture Strongly Recommended **Credit: 1 unit**

Connect environmental factors to equine behavior. Conceptualize how anatomy influences equine movement and internal organs. Build knowledge of nutritional physiology and feeding management of horses. Explore the tools and equipment used to support equine sports and recreation through hands-on activities. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Equine Science pathway. ** For safety reasons, enrollment should not exceed 25 students.*

EQUINE SCIENCE II - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: AA325X0**
Prerequisite: Equine Science I **Credit: 1 unit, Weight: +.5**

Develop advanced applications in feeding and management of horses. Participate in the selection of horses for multiple equine disciplines based on the structure and functionality of the animal. Develop facility and management plans for horses. Monitor equine health through diagnostic procedures. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Equine Science pathway. **For safety reasons, enrollment should not exceed 20 students.*

HORTICULTURE I - INTRODUCTION TO PLANTS

Grade Level: 9, 10, 11, 12 **Course Code: AP412X0**
Prerequisite: Agriscience Applications Strongly Recommended **Credit: 1 unit**

Grow your knowledge of plant biology and environmental conditions plants need to thrive. Cultivate plant identification skills and experiment with propagation and production practices. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway.

HORTICULTURE II - PLANT PRODUCTION

Grade Level: 9, 10, 11, 12 **Course Code: AP422X0**
Prerequisite: Horticulture I **Credit: 1 unit**

Cultivate skills related to greenhouse, nursery, floral, and edible plant production, and maintenance practices. Experience the requirements to grow and maintain healthy plants and floral products through work-based learning opportunities. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway. **For safety reasons, enrollment should not exceed 20 students.*

HORTICULTURE II PLANT PRODUCTION - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: AP425X0**
Prerequisite: Horticulture I **Credit: 1 unit, Weight: +.5**

Cultivate skills related to greenhouse, nursery, floral, and edible plant production, and maintenance practices. Experience the requirements to grow and maintain healthy plants and floral products through work-based learning opportunities. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway. * For safety reasons, enrollment should not exceed 20 students. This honors course extends the standard course to a higher, more challenging level. Students can expect to complete focused assignments and create a portfolio and be exposed to intensive plant identification.

HORTICULTURE II LANDSCAPE CONSTRUCTION - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: AP445X0**
Prerequisite: Horticulture I **Credit: 1 unit, Weight: +.5**

Design landscapes that meet client demands. Implement landscape installation and maintenance skills through work-based learning opportunities. Gain the knowledge and skills for landscape careers. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway. ** For safety reasons, enrollment should not exceed 20 students.*

NATURAL RESOURCES I

Grade Level: 9, 10, 11, 12 **Course Code:AN512X0**
Prerequisite: Agriscience Applications Strongly Recommended **Credit: 1 unit**

Develop knowledge of renewable and non-renewable natural resources in an agricultural education setting. Explore forestry and wildlife habitat management procedures through hands-on activities. Practice skills and methods used to evaluate and classify soils. Examine land use regulations to support environmental quality. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Natural Resources pathway.

NATURAL RESOURCES II

Grade Level: 9, 10, 11, 12 **Course Code: AN522X0**
Prerequisite: Environmental & Natural Resources I **Credit: 1 unit**

Examine best management practices and sampling techniques to support natural resource conservation. Develop forestry identification and management skills. Discover prescribed conservation techniques to enhance forestry and wildlife habitats and explore a variety of natural resources and recreational opportunities. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Natural Resources pathway.

NATURAL RESOURCES II-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: AN525X0**
Prerequisite: Environmental & Natural Resources I **Credit: 1 unit, Weight: +.5**

Examine best management practices and sampling techniques to support natural resource conservation. Develop forestry identification and management skills. Discover prescribed conservation techniques to enhance forestry and wildlife habitats and explore a variety of natural resources and recreational opportunities. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Natural Resources pathway. Honors curriculum extends rigor in the following subject areas: timber evaluation, global positioning systems, recreational camping, and judging evaluation, habitat observation, aquatic crop marketing, and careers in the environmental and natural resources industry.

NATURAL RESOURCES II-FORESTRY

Grade Level: 9, 10, 11, 12 **Course Code: AN532X0**
Prerequisite: Environmental & Natural Resources I **Credit: 1 unit**

Explore forest cultivation, conservation and management, and timber harvesting and processing to prepare students for a career in the forestry industry. Implement skills in tree identification and timber measurement. Develop forestry knowledge and skills to attain an industry recognized credential. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Natural Resources pathway. ** For safety reasons, enrollment should not exceed 20 students.*

CTE ADVANCED STUDIES HONORS

Grade Level: 12 **Course Code: Varies by Pathway**
Prerequisite: Two technical credits in one Career Cluster **Credit: 1 unit, Weight: +.5**

Prepare for postsecondary education and future careers through analysis and research of selected career pathways. Experience real-world application of course/pathway content through a work-based learning lens acquired by utilizing employability skills in an authentic workforce activity. Evaluate and plan for a postsecondary career while educating others. Gain the knowledge and skills for careers in the pathway of choice.

Business Finance and Marketing Education

ACCOUNTING I

Grade Level: 9, 10, 11, 12 **Course Code:BA102X0**
Credit 1 unit

Investigate the fundamental accounting principles and the ethical responsibilities of the profession. Analyze the accounting cycle, managing assets and sales, inventory valuation methods, and preparing and posting journal entries for various business structures. Implement payroll accounting, financial statement preparation, and specialized accounting activities. Gain the knowledge and skills for careers in accounting.

ACCOUNTING II-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: BA205X0**
Prerequisite: Accounting I **Credit: 1 unit, Weight: +.5**

Investigate the fundamental accounting principles and the ethical responsibilities of the profession. Analyze the accounting cycle, managing assets and sales, inventory valuation methods, and preparing and posting journal entries for various business structures. Implement payroll accounting, financial statement preparation, and specialized accounting activities. Gain the knowledge and skills for careers in accounting.

BUSINESS ESSENTIALS

Grade Level: 9, 10, 11, 12 **Course Code: BF102X0**
Credit: 1 unit

Explore realistic business principles by examining the business environment and primary business activities. Conceptualize ethics, customer relations, and human resource management through workplace scenarios. Investigate the usage of financial analysis, economics, information management, marketing, operations, and technology in the business world of the 21st century. Gain the knowledge and skills for careers in multiple business pathways.

BUSINESS ETHICS and LAW I

Grade Level: 9, 10, 11, 12 **Course Code: BB302X0**
Credit: 1 unit

Explore the intricate landscape of ethical and legal issues that influence the world of business and its consumers. Gain a deep understanding of the ethical reasoning and consequences that underlie decision-making in the business world. Delve into the various facets of business ethics and law, such as types of business laws, types of business ownership, workplace legal and ethical practices, finances in business, environmental and energy law, and digital citizenship. Gain the knowledge and skills for careers in the Business Ethics and Law pathway.

BUSINESS ETHICS and LAW II

Grade Level: 9, 10, 11, 12 **Course Code: BB322X0**
Prerequisite: Business Law and Ethics I **Credit: 1 unit**

Analyze complex legal and ethical issues that impact today's modern business models. Explore the spirit and intent of the law, agency law, property law, intellectual property law, and business tax law. Investigate the protection provided by business contracts and their importance. Gain the knowledge and skills for careers in the Business Ethics and Law pathway.

BUSINESS MANAGEMENT I

Grade Level: 9, 10, 11, 12 **Course Code: BB402X0**
Prerequisite: Business Essentials **Credit: 1 unit**

Cultivate core management concepts. Investigate how managers plan, organize, staff, and direct the business's resources that enhance the effectiveness of the decision-making process. Explore ethical dilemmas and real-world situations utilizing customer service, academic, and critical-thinking skills. Gain the knowledge and skills for careers in general management.

BUSINESS MANAGEMENT II

Grade Level: 9, 10, 11, 12 **Course Code: BB422X0**
Prerequisite: Business Management I **Credit: 1 unit**

Nurture the appreciation and significance of management to business organizations. Investigate how managers control financial resources, inventory, ensure employee safety, and protect customer data to enhance the effectiveness of their decision making. Investigate ethical dilemmas, practice problem solving, and build teamwork skills. Gain the knowledge and skills for careers in business management.

ENTREPRENEURSHIP I

Grade Level: 9, 10, 11, 12 **Course Code: ME112X0**
Credit: 1 unit

Explore the characteristics of a successful entrepreneur and business. Discover the role and impact of marketing, finance, and ethics on business profitability. Develop an entrepreneurial business idea using the Lean Canvas Business Model. Gain the knowledge and skills required to develop the entrepreneurial mindset necessary in a variety of career pathways.

ENTREPRENEURSHIP I-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: ME115X0**
Credit: 1 unit, Weight: +.5

Explore the characteristics of a successful entrepreneur and business. Discover the role and impact of marketing, finance, and ethics on business profitability. Develop an entrepreneurial business idea using the Lean Canvas Business Model. Gain the knowledge and skills required to develop the entrepreneurial mindset necessary in a variety of career pathways. This honors level course will extend the depth, rigor, pacing, complexity, challenges, and creativity beyond the standard level course.

ENTREPRENEURSHIP II- HONORS

Grade Level: 9, 10, 11, 12 **Course Code: ME125X0**
Prerequisite: Entrepreneurship I **Credit: 1 unit, Weight: +.5**

Utilize business planning strategies to accelerate the implementation of a business idea. Construct plans for risk management, staffing, and promotions. Develop a business plan complete with a SWOT analysis and action plan. Gain the knowledge and skills required to develop the entrepreneurial mindset necessary in a variety of career pathways.

FINANCIAL PLANNING I

Grade Level: 9, 10, 11, 12 **Course Code: BF212X0**
Prerequisite: Business Essentials **Credit: 1 unit**

Develop techniques to enhance personal wealth building for a secure financial future. Establish key strategies for wealth building through evaluating businesses for investment opportunities while incorporating current headlines and trends, financial resources, and stock market simulation. Gain the knowledge and skills for careers in financial planning.

FINANCIAL PLANNING II

Grade Level: 9, 10, 11, 12 **Course Code: BF222X0**
Prerequisite: Financial Planning I **Credit: 1 unit**

Develop the knowledge and skills to create a business financial plan; including loans, insurance, taxes, and corporate governance. Explore the various risks and returns associated with business activities and the impact of the global economy. Analyze ethical situations in various aspects of financial leadership in local, national, and global business environments. Gain the knowledge and skills for careers in financial planning.

MARKETING I

Grade Level: 9, 10, 11, 12 **Course Code: MM512X0**
Credit: 1 unit

Explore the fundamentals of marketing and how they shape business strategies focusing on the four Ps: Product, Place, Price, and Promotion. Learn how marketing segmentation, branding, and product positioning influence customer buying decisions and behavior. Use marketing concepts to develop a new consumer product, highlighting product development proficiency. Gain the knowledge and skills for careers in marketing.

MARKETING II

Grade Level: 9, 10, 11, 12 **Course Code: MM522X0**
Prerequisite: Marketing I **Credit: 1 unit**

Understand the key components of the marketing mix. Explore the marketing research process, marketing communications, and marketing research data. Apply knowledge to prepare a strategic marketing plan. Gain knowledge and skills for careers in marketing.

PROJECT MANAGEMENT I

Grade Level: 9, 10, 11, 12 **Course Code: GS112X0**
Credit: 1 unit

Explore the principles, concepts, and software applications used in the management of projects from conception to completion. Utilize project-based learning to exemplify the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. Analyze the core concepts of scope, time, cost, and integration. Gain the knowledge and skills for careers across multiple pathways.

PROJECT MANAGEMENT II HONORS

Grade Level: 9, 10, 11, 12 **Course Code:GS125X0**
Prerequisite: Project Management I **Credit: 1 unit, Weight: +.5**

Develop advanced project management skills. Utilize project-based learning to understand how to use the framework of initiating, planning, executing, monitoring and controlling, and closing a project in authentic situations. Explore concepts of quality management, human resources, communication management, risk management, procurement management, and stakeholder management. Gain the knowledge and skills for careers across multiple pathways.

SALES I

Grade Level: 9, 10, 11, 12 **Course Code: MI312X0**
Credit: 1 unit

Explore the fundamentals of effective selling and how it contributes to building lasting customer relationships. Learn emerging trends in sales, exploring their impact on the sales process and how to adapt to changes in the marketplace. Understand the role of data in making informed decisions and how to respond appropriately to customer needs throughout the sales process. Gain the knowledge and skills for careers in sales.

SALES II

Grade Level: 9, 10, 11, 12 **Course Code: MI322X0**
Prerequisite: Sales I **Credit: 1 unit**

Realize the art of selling and build upon the content from the MI31 Sales I course. Develop a personal brand while enhancing communication and customer service skills. Utilize role plays to engage in the selling process; learn to improvise and think critically. Gain the knowledge and skills for careers in sales.

SPORT AND EVENT MARKETING I

Grade Level: 9, 10, 11, 12 **Course Code: MH312X0**
Credit: 1 unit

Explore sport and event industries, associated marketing strategies, and branding concepts. Develop an understanding of promotion and marketing data related to sports and events. Weave together the concepts to create a proposal for a unique event. Gain the knowledge and skills for careers in sport and event marketing.

SPORT AND EVENT MARKETING II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: MH325X0**
Prerequisite: Sport and Event Marketing I **Credit: 1 unit, Weight: +.5**

Utilize knowledge of promotion and marketing to create a plan for a unique event. Extrapolate marketing data to make informed communication decisions. Analyze the financial and economic impacts of sports and events. Gain the knowledge and skills for careers in sport and event marketing.

SPORT AND EVENT MARKETING III HONORS

Grade Level: 9, 10, 11, 12 **Course Code: ML085X0**
Prerequisite: Sport and Event Marketing II Honors
Credit: 1 unit, Weight: +.5

Discover a more advanced look at the sports and entertainment industry. Explore new industry advancements like NIL (Name, Image and Likeness), e-sports and advanced digital marketing. Understand the hard and soft skills required to pursue a career within the industry. Create a culminating end-of-year project. Rebrand an existing professional franchise and create a launch plan that incorporates all previous learning..

Career Development Education

CAREER MANAGEMENT

Grade Level: 9, 10, 11, 12 **Course Code: ED452X0**
Credit: 1 unit

Focus on leadership, career development and management, essential employability skills, and career exploration through hands-on experiences. Develop an understanding of personal learning styles, speaking skills development, and team management skills. Build understanding of the National Career Development Guidelines, including communications skills, personal management, and teamwork. Gain the knowledge and skills for careers in all CTE pathways.

CTE-INTERNSHIP

Grade Level: 9, 10, 11, 12 **Course Code: Varies by Pathway**
Credit: 1 unit

Prepare for postsecondary education and future careers through observation and participation in the daily operations of a career in a general career field. Experience real-world application of job tasks acquired by utilizing durable employability skills in an authentic workforce activity. Gain the knowledge and skills for careers in the pathway of choice.

Computer Science, IT and Technology Education

ADOBE VIDEO DESIGN I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CD145X0**
Prerequisite: Adobe Visual Design I **Credit: 1 unit, Weight: +.5**

Discover the legal, technical, and editorial principles employed in the video industry necessary to understand ethical implications before engaging in a film project. Work collaboratively to conceive, plan, and execute production plans to create audio and video assets. Use Adobe Premiere Pro features to edit audio and video clips to create and publish a range of video products. Gain the knowledge, skills, and credentials necessary for career possibilities in the Adobe Video Design pathway.

ADOBE VIDEO DESIGN II

Grade Level: 9, 10, 11, 12 **Course Code: CD152X0**
Prerequisite: Adobe Video Design I **Credit: 1 unit**

Engage in the preproduction, production, and postproduction processes of video creation. Develop digital media products in the fields of audio, news-style video, and interviewstyle video. Design social media products to be used on multiple platforms using cinematic storytelling elements. Gain knowledge and skills for careers in the Adobe Video Design pathway.

ADOBE VIDEO DESIGN II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CD155X0**
Prerequisite: Adobe Video Design I **Credit: 1 unit, Weight: +.5**

Engage in the preproduction, production, and postproduction processes of video creation. Develop digital media products in the fields of audio, news-style video, and interviewstyle video. Design social media products to be used on multiple platforms using cinematic storytelling elements. Gain knowledge and skills for careers in the Adobe Video Design pathway. This course has been extended and written at the honors level.

ADOBE VISUAL DESIGN I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CD105X0**
Credit: 1 unit, Weight: +.5

Build logos and vector images using features in Adobe Illustrator. Enhance photographs using features in Adobe Photoshop. Produce images to be used in business publications and communications. Gain knowledge and skills for careers in the Adobe Graphic Design pathway.

ADOBE VISUAL DESIGN II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CD115X0**
Prerequisite: Adobe Visual Design I **Credit: 1 unit, Weight: +.5**

Explore elements that make an exceptional digital and print publications. Create print and digital publications in Adobe InDesign. Train to earn the industry-recognized Adobe Certified Professional InDesign credential. Gain knowledge and skills for careers in the Arts, Entertainment, and Design Career Cluster.

AP COMPUTER SCIENCE A

Grade Level: 9, 10, 11, 12 **Course Code: 2A027X0**
Prerequisite: None
Credit: 1 unit, Weight: +1

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

AP COMPUTER SCIENCE PRINCIPLES

Grade Level: 9, 10, 11, 12 **Course Code: 0A027X0**
Credit: 1 unit, Weight: +1

AP Business with Personal Finance introduces students to the knowledge and skills they'll need to grow their careers, manage money, and get a head start toward the most popular college major in the U.S. Developed in partnership with college faculty and industry leaders, the course offers students the opportunity to earn college credit.

AP CYBERSECURITY

Grade Level: 9, 10, 11, 12 **Course Code: 0A047X0**
Credit: 1 unit, Weight: +1

AP Cybersecurity is a broad introduction to the field that offers students the opportunity to earn college credit. Developed in partnership with college faculty and industry leaders, this course aligns with the National Initiative for Cybersecurity Education Workforce Framework.

ARTIFICIAL INTELLIGENCE I

Grade Level: 9, 10, 11, 12 **Course Code: CA102X0**
Credit: 1 unit

Explore artificial intelligence and its impact on society. Utilize artificial intelligence with coding in multiple programming languages. Develop artificial intelligence programs that make use of sensory data, numerical data, and data sets. Gain the knowledge and skills for careers in the Digital Technology and Computer Science Career Cluster.

ARTIFICIAL INTELLIGENCE I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CA105X0**
Credit: 1 unit, Weight: +.5

Explore artificial intelligence and its impact on society. Utilize artificial intelligence with coding in multiple programming languages. Develop artificial intelligence programs that make use of sensory data, numerical data, and data sets. Gain the knowledge and skills for careers in the Digital Technology and Computer Science Career Cluster. This course has been extended and written at the honors level.

COMPUTER SCIENCE I

Grade Level: 9, 10, 11, 12 **Course Code: CS202X0**
Credit: 1 unit

Explore how data is stored, transmitted, and used by computers. Investigate the benefits and harms of quickly advancing technology on society. Produce unique and interactive computer programs. Gain the knowledge and skills for careers in the Computer Science Principles pathway.

COMPUTER SCIENCE I-HONORS

Course Code: CS205X0
Prerequisite: None **Credit: 1 unit, Weight: +.5**

Explore how data is stored, transmitted, and used by computers. Investigate the benefits and harms of quickly advancing technology on society. Produce unique and interactive computer programs. Gain the knowledge and skills for careers in the Computer Science Principles pathway. This course has been extended and written at the honors level.

COMPUTER SCIENCE II

Grade Level: 9, 10, 11, 12 **Course Code: CS212X0**
Prerequisite: Computer Science I **Credit: 1 unit**

Code programs that use advanced creativity and large data sets. Create computer programs that make use of advanced algorithms and procedures. Explore the impacts of computers on a global scale. Gain the knowledge and skills for careers in the Computer Science Principles pathway.

COMPUTER SCIENCE II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CS215X0**
Prerequisite: Computer Science I **Credit: 1 unit, Weight: +.5**

Code programs that use advanced creativity and large data sets. Create computer programs that make use of advanced algorithms and procedures. Explore the impacts of computers on a global scale. Gain the knowledge and skills for careers in the Computer Science Principles pathway. This course has been extended and written at the honors level.

CODING IN MINECRAFT - EXPERT CODING

Grade Level: 9, 10, 11, 12 **Course Code: CP052X0**
Credit: 1 unit

Gain knowledge and skills of JavaScript or Python Programming utilizing the Minecraft platform. Code complex programs in JavaScript or Python that make use of variables and data types, selection and branching, iteration loops, error handling, and modularity. Explore the knowledge and skills for careers in the Computer Science Principles pathway.

CODING IN MINECRAFT - EXPERT CODING HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CP052X0**
Credit: 1 unit, Weight: +.5

Gain knowledge and skills of JavaScript or Python Programming utilizing the Minecraft platform. Code complex programs in JavaScript or Python that make use of variables and data types, selection and branching, iteration loops, error handling, and modularity. Explore the knowledge and skills for careers in the Computer Science Principles pathway. This course has been extended and written at the honors level.

PLTW CYBERSECURITY

Grade Level: 9, 10, 11, 12 **Course Code: CI357X0**
Credit: 1 unit, Weight: +1

PLTW Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in PLTW Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber infrastructure that moves and processes information safely. Strong communication skills are necessary and English language arts, mathematics, and science standards are reinforced. This course receives AP weight credit.

3D MODELING AND ANIMATION I

Course Code: CD202X0
Prerequisite: None **Credit: 1 unit**

Create 3D artwork using various industry level applications. Construct scenes with physical materials, lights and virtual cameras. Build and animate original scenes with 3D models. Gain the knowledge and skills for careers in the 3D Modeling pathway.

3D MODELING AND ANIMATION II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CD215X0**
Credit: 1 unit, Weight: +.5

Amplify 3D models into reality by applying real-world materials and shaders. Deliver 3D character model to life with rigging and animation techniques. Forge creative potential with lights and cameras on a digital stage. Gain the knowledge, skills, and industry credential for careers in the 3D Modeling and Animation pathway.

ENGINEERING DESIGN

Grade Level: 9, 10, 11, 12 **Course Code: CT122X0**
Prerequisite: CT10 Technology Engineering and Design **Credit: 1 unit**

Explore the elements of design as a team to analyze factors that lead to data-driven design improvements. Establish constraints from outside factors within designs. Engineer a solution for a problem within one of the grand challenges of engineering. Gain the knowledge and skills for careers in the Technology, Engineering, and Design pathway. *Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.

INTRODUCTION TO COMPUTER SCIENCE

Grade Level: 9, 10, 11, 12 **Course Code: CS102X0**
Credit: 1 unit

Explore computing systems, networks, and how the entire computer science ecosystem is part of society. Utilize basic processes to manipulate data and create meaningful visualizations. Understand the basics of programming and what artificial intelligence is. Gain the skills and knowledge for careers in the Digital Technology and Computer Science Career Cluster.

MICROSOFT EXCEL HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CC115X0**
Credit: 1 unit, Weight: +.5

Develop spreadsheets in Microsoft Excel using fundamentals, formulas, and functions. Illustrate data with tables and graphs. Manage workbooks, manipulate data, and use simple macros. Gain the knowledge and skills for careers in the Office Administration pathway.

MICROSOFT WORD AND POWERPOINT

Grade Level: 9, 10, 11, 12 **Course Code: CC102X0**
Credit: 1 unit

Craft, enhance, customize, and create various documents using Microsoft Word. Design, customize, and present presentations using Microsoft PowerPoint. Utilize the various features of both programs to produce relevant 21st Century documents. Gain the knowledge and skills for careers in the Office Administration pathway.

CompTIA IT FUNDAMENTALS

Grade Level: 9, 10, 11, 12 **Course Code: CI002X0**
Credit: 1 unit

Set up and install common peripheral devices to a laptop or PC and secure a basic wireless network. Manage applications software while understanding the various components of an operating system. Interpret programming language categories and interpret the logic and purpose of programming. Gain the knowledge, skills, and industry credential for careers in the Computer Engineering pathway.

CYBERSECURITY I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CI305X0**
Credit: 1 unit, Weight: +.5

Establish the core knowledge for jobs in cybersecurity: Secure and monitor enterprise networked environments, Detect potential threats and risks found when devices are connected online. Gain the knowledge, skills, and industry credential for careers in the Network Security pathway.

CYBERSECURITY II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CI315X0**
Prerequisite: Cybersecurity I **Credit: 1 unit, Weight: +.5**

Identify, analyze, and respond to security events and threats. Enhance security settings on devices to meet U.S. Department of Defense Standards. Monitor and secure hybrid environments, including cloud, mobile, and IoT. Gain the knowledge, skills, and industry credential for careers in the Network Security pathway.

PROGRAMMING AND BROADCASTING I

Grade Level: 9, 10, 11, 12 **Course Code: CL082X0**
Credit: 1 unit

This course includes instruction in the various components used within television production including the use of video cameras, lighting, sound, props, editing, and recording. It assists students in production programs shown over a school's closed-circuit television system. Communication, problem solving, and mathematical skills are reinforced in this course.

PROGRAMMING AND BROADCASTING II

Grade Level: 9, 10, 11, 12 **Course Code: CL092X0**
Prerequisite: Programming and Broadcasting I **Credit: 1 unit**

This course introduces students to more advanced television production and programming skills within a studio setting. It assists students in developing programs to air on a school's closed-circuit system. Communication, mathematical, problem solving, and technical skills are reinforced in this course.

TECHNOLOGICAL DESIGN

Grade Level: 9, 10, 11, 12 **Course Code: CT112X0**
Prerequisite: CT10 Technology Engineering and Design **Credit: 1 unit**

Turn your ideas into sketches, drawings, and 3D models. Design towers, crash barriers, and test concrete beams. Gain experience using microcontrollers and coding with TinkerCAD Circuits to build a robot. Explore cutting-edge technologies by creating a virtual reality experience. Gain the knowledge and skills for careers in the Technology, Engineering, and Design pathway. *Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.

TECHNOLOGY ENGINEERING AND DESIGN

Grade Level: 9, 10, 11, 12 **Course Code: CT102X0**
Credit: 1 unit

Explore how technology is used to solve problems. Demonstrate how to apply basic computer science principles to solve problems. Discover the universal systems model in products and processes society uses every day. Build a scale model of a structure, both physically and digitally, by applying the Engineering Design Process. Gain the knowledge and skills for careers in the Technology, Engineering, and Design pathway. *Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.

TECHNOLOGY ENGINEERING AND DESIGN HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CT105X0**
Credit: 1 unit, Weight: +.5

Explore how technology is used to solve problems. Demonstrate how to apply basic computer science principles to solve problems. Discover the universal systems model in products and processes society uses every day. Build a scale model of a structure, both physically and digitally, by applying the Engineering Design Process. Gain the knowledge and skills for careers in the Technology, Engineering, and Design pathway. This course has been extended and written at the honors level. *Due to potentially hazardous processes and equipment, a maximum enrollment of 20 is recommended.

CTE ADVANCED STUDIES HONORS

Grade Level: 12 **Course Code: Varies by Pathway**
Prerequisite: Two technical credits in one Career Cluster
Credit: 1 unit, Weight: +.5

Prepare for postsecondary education and future careers through analysis and research of selected career pathways. Experience real-world application of course/pathway content through a work-based learning lens acquired by utilizing employability skills in an authentic workforce activity. Evaluate and plan for a postsecondary career while educating others. Gain the knowledge and skills for careers in the pathway of choice.

Family & Consumer Sciences Education

FASHION AND TEXTILE I-FUNDAMENTALS

Grade Level: 9, 10, 11, 12 **Course Code: FA072X0**
Credit: 1 unit

Explore the business of fashion through the lens of design, textiles, and merchandising. Sew a quality garment using a commercial pattern, determine appropriate textiles for functional products, and learn to speak the language of fashion. Discover the impact of the fashion cycle, trends, and target consumers in fashion and textile merchandising. Gain the knowledge and skills for careers in fashion, textiles, design, and merchandising.

APPAREL AND TEXTILE PRODUCTION II

Grade Level: 9, 10, 11, 12 **Course Code: FA322X0**
Prerequisite: FA31 Apparel and Textile Production I **Credit: 1 unit**

Design apparel utilizing the design process. Implement advanced sewing skills to engineer an apparel product. Simulate marketing and business experience to explore the apparel industry. Gain the knowledge and skills for careers in apparel and textile production. * For safety reasons, the recommended enrollment should not exceed 20 students.

CHILD DEVELOPMENT

Grade Level: 9, 10, 11, 12 **Course Code: FE602X0**
Credit: 1 unit

Investigate the major influences on child development including culture, heredity, and environmental factors. Explore the importance of early relationships and how they promote healthy brain development while identifying characteristics of children birth through age five. Identify the different theories of child development and their impact on the physical, social, emotional, and cognitive domains of development in children. Gain the knowledge and skills for careers in early childhood development and services.

CULINARY ARTS AND HOSPITALITY I

Grade Level: 9, 10, 11, 12 **Course Code: FH102X0**
Credit: 1 Unit

Utilize foodservice equipment and tools in preparation of numerous types of cuisines. Practice culinary skills in baking, garde manger, and basic cooking methods. Practice safety and sanitation to prepare for the foodservice industry. Gain the knowledge and skills for careers in culinary arts and hospitality. * For safety reasons, the recommended enrollment should not exceed 20 students.

CULINARY ARTS & HOSPITALITY II APPLICATIONS HONORS

Grade Level: 9, 10, 11, 12 **Course Code: FH115X0**
Prerequisite: Culinary Arts and Hospitality I **Credit: 1 unit, Weight: +.5**

Execute the planning of foodservice operations in a school-based enterprise. Design a variety of cuisines to apply learned cooking methods. Explore United States' regional soups and global baking and pastry arts. Gain the knowledge, skills, and certification for careers in culinary arts and hospitality. * For safety reasons, the recommended enrollment should not exceed 20 students.

CULINARY ARTS & HOSPITALITY III HONORS

Prerequisite: Culinary Arts & Hospitality II Applications **Course Code: FH135X0**
Credit: 1 Unit, Weight: +.5

Build knowledge of management and menu planning within a foodservice operation. Establish understanding of food preservation techniques, yeast bread and pastries preparation. Learn the skills to earn a certification for advancement in the food service industry. Gain the knowledge, skills, and industry credential for careers in culinary arts and hospitality. * For safety reasons, the recommended enrollment should not exceed 20 students.

CULINARY ARTS & HOSPITALITY IV APPLICATIONS HONORS

Grade Level: 9, 10, 11, 12 **Course Code: FH145X0**
Prerequisite: Culinary Arts & Hospitality III **Credit: 1 unit, Weight: +.5**

Design menus for a food service operation. Demonstrate advanced skills in food operation, baking, and pastry. Operate a school-based enterprise by preparing, marketing, and selling a variety of food products. Gain the knowledge and skills for careers in culinary arts and hospitality. * For safety reasons, the recommended enrollment should not exceed 20 students.

EARLY CHILDHOOD EDUCATION I HONORS

Grade Level: 10, 11, 12 **Course Code: FE115X0**
Prerequisite: Child Development and Age 16 by the 10th day of class **Credit: 2 units, Weight: +.5**

Acquire the knowledge and skills needed to provide developmentally appropriate practices in high quality early childhood education programs. Explore ways of creating a child-centered approach to curriculum planning that includes the use of space, materials, relationships, play, and observations. Participate in practical hands-on internship working within the early childhood classroom, learn how to meet the individual needs of children with varying abilities, and reflect on learning experiences and their impact on children. Gain the knowledge, skills, and industry credential for careers in early childhood development and services. * Students are required to complete a TB screening and health questionnaire prior to interning. A criminal background check may also be required by the internship site. * For safety reasons and intern placement, the recommended enrollment should not exceed 20 students.

EARLY CHILDHOOD EDUCATION II-HONORS

Grade Level: 10, 11, 12 **Course Code: FE125X0**
Prerequisite: Early Childhood Education I And Age 16 by 10th day of class **Credit: 2 units, Weight: +.5**

Participate in the planning, creation, and adaptation of developmentally appropriate learning environments. Focus on curriculum, teaching practices, and learning materials through the internship experience. Teach children the importance of art and creativity. Gain the knowledge and skills for careers in early childhood education and services. * Students are required to complete a TB screening and health questionnaire prior to interning. A criminal background check may also be required by the internship site. * For safety reasons and intern placement, the recommended enrollment should not exceed 20 students.

FOOD & NUTRITION I

Grade Level: 9, 10, 11, 12 **Course Code: FN412X0**
Credit: 1 unit

Formulate an understanding of nutrition for a healthy lifestyle by preparing foods in each food group. Develop kitchen skills that promote proper food handling practice. Plan and execute meal management. Gain the knowledge, skills, and industry credential for careers in food and nutrition. *For safety and sanitation reasons, the recommended enrollment should not exceed 20 students.

FOOD & NUTRITION II

Grade Level: 9, 10, 11, 12 **Course Code: FN422X0**
Prerequisite: Foods I **Credit: 1 unit**

Expand knowledge of nutrient needs for a healthy lifestyle through the lifespan. Discover the impact of food systems on the environment, economy, society, and the individual. Develop an entrepreneurial venture idea using the Lean Canvas Business Model. Gain the knowledge, skills, and industry credential in food protection management for careers in food and nutrition. *For safety and sanitation reasons, the recommended enrollment should not exceed 20 students.

HOSPITALITY AND TOURISM MANAGEMENT I

Grade Level: 9, 10, 11, 12 **Course Code: FH312X0**
Credit: 1 unit

Discover the limitless possibilities in the hospitality and tourism industry. Explore this multi-faceted industry and the impact on society, environment, and economy. Investigate ways to engage in exceptional guest service. Gain the knowledge, skills, and industry certification for careers in hospitality and tourism management.

HOSPITALITY AND TOURISM MANAGEMENT II

Grade Level: 9, 10, 11, 12 **Course Code: FH322X0**
Credit: 1 unit

Recognize career opportunities for management in the hospitality and tourism industry. Apply knowledge of the industry to develop a marketing plan for a company. Practice financial management, sales, and leadership for this dynamic industry. Gain the knowledge, skills, and industry credential for careers in hospitality and tourism management.

INTERIOR DESIGN I-FUNDAMENTALS

Grade Level: 9, 10, 11, 12 **Course Code: FI212X0**
Credit: 1 unit

Build the knowledge and technical skills necessary to provide a foundational knowledge of the design industry. Explore design thinking and utilize the interior design process. Apply interior design principles and illustrate design solutions through visual communication. Gain the knowledge and skills for careers in interior design.

INTERIOR DESIGN II- STUDIO

Grade Level: 9, 10, 11, 12 **Course Code: FI222X0**
Prerequisite: Interior Design Fundamentals **Credit: 1 unit**

Devise an understanding of the multiple roles of an interior designer. Utilize artistic and design factors in planning, selection, and arrangement of interior spaces to meet the needs of families in the interior environment. Participate in creating a portfolio that includes a diverse understanding of multiple areas of design. Gain the knowledge and skills for careers in interior design.

CTE ADVANCED STUDIES HONORS

Grade Level: 12 **Course Code: Varies by Pathway**
Prerequisite: Two technical credits in one Career Cluster
Credit: 1 unit, Weight: +.5

Prepare for postsecondary education and future careers through analysis and research of selected career pathways. Experience real-world application of course/pathway content through a work-based learning lens acquired by utilizing employability skills in an authentic workforce activity. Evaluate and plan for a postsecondary career while educating others. Gain the knowledge and skills for careers in the pathway of choice.

Health Science Education

BIOMEDICAL TECHNOLOGY

Grade Level: 9, 10, 11, 12 **Course Code: HB112X0**
Prerequisite: Health Science I or PLTW Human Body Systems **Credit: 1 unit**

Investigate trends in healthcare and research to include ethics and medicine. Explore trends in forensic medicine, infectious disease(s), and organ transplants. Examine cell biology related to cancer and biomedical research. Gain the knowledge and skills for careers in the Biomedical Technology pathway.

FOUNDATIONS OF HEALTH SCIENCE

Grade Level: 9, 10, 11, 12 **Course Code: HU102X0**
Credit: 1 unit

Explore medical history from the primitive era to the 21st century. Understand mathematics used in healthcare, medical terminology, and abbreviations. Initiate learning about healthcare professions through career exploration. Gain knowledge and skills for careers in the Healthcare and Human Services Career Cluster.

HEALTH SCIENCE I

Grade Level: 9, 10, 11, 12 **Course Code: HU402X0**
Credit: 1 unit

Explore anatomy, physiology, diseases, and disorders within human body systems. Understand structural organization of the human body as it applies to recognizing and responding to first aid emergencies. Engage in projects, teamwork, collaboration, and demonstration to reinforce curriculum content. Gain knowledge, skills, and industry credentials for careers in the Healthcare Professional pathway.

HEALTH SCIENCE I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: HU405X0**
Credit: 1 unit, Weight: +.5

Explore anatomy, physiology, diseases, and disorders within human body systems. Understand structural organization of the human body as it applies to recognizing and responding to first aid emergencies. Engage in projects, teamwork, collaboration, and demonstration to reinforce curriculum content. Gain knowledge, skills, and industry credentials for careers in the Healthcare Professional pathway. This honors course extends the standard course to a higher, more challenging level.

HEALTH SCIENCE II

Grade Level: 9, 10, 11, 12 **Course Code: HU422X0**
Prerequisite: Health Science I or PLTW Human Body Systems
Credit: 1 unit

Understand the healthcare industry, including employability skills, cultural awareness, safety, and infection control procedures used by healthcare professionals. Develop an understanding of the cardiovascular and respiratory systems to apply knowledge and skills toward earning industry recognized credentials. Demonstrate understanding of curriculum content through projects, collaborations, and teamwork. Gain the knowledge, skills, and credentials for careers in the Healthcare Professional pathway.

HEALTH SCIENCE II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: HU425X0**
Prerequisite: Health Science I or PLTW Human Body Systems
Credit: 1 unit, Weight: +.5

Understand the healthcare industry, including employability skills, cultural awareness, safety, and infection control procedures used by healthcare professionals. Develop an understanding of the cardiovascular and respiratory systems to apply knowledge and skills toward earning industry recognized credentials. Demonstrate understanding of curriculum content through projects, collaborations, and teamwork. Gain the knowledge, skills, and credentials for careers in the Healthcare Professional pathway. This honors course extends the standard course to a higher, more challenging level.

NURSING FUNDAMENTALS AND PRACTICUM-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: HN435X0**
Prerequisite: Health Science II
Credit: 2 units, Weight: +.5

Explore the role of a Nurse Aide as defined by North Carolina Department of Health and Human Services, and Health Care Personnel Education and Credentialing Section. Perform nurse aide skills to care for patients and residents in a healthcare clinical setting. Build communication skills and learn to function as a healthcare team member. Gain the knowledge, skills, and industry credentials for careers in the Healthcare Professional pathway. *North Carolina Board of Nursing (NCBON) Administrative Rule 21 NCAC 36.0318 (i) requires the ratio of teacher to nurse aide students to be 1:10 or less while in the clinical area. The Division of Health Services Regulation applies the 1:10 ratio in the classroom laboratory training and clinical. NCBON recommends students are 16 on the first day of the Nursing Fundamentals and Practicum class. **Internship and apprenticeship participation outside the school learning environment would require the student to have completed credentialing before the internship and apprenticeship experience.

CTE ADVANCED STUDIES HONORS

Grade Level: 12 **Course Code: Varies by Pathway**
Prerequisite: Two technical credits in one Career Cluster
Credit: 1 unit, Weight: +.5

Prepare for postsecondary education and future careers through analysis and research of selected career pathways. Experience real-world application of course/pathway content through a work-based learning lens acquired by utilizing employability skills in an authentic workforce activity. Evaluate and plan for a postsecondary career while educating others. Gain the knowledge and skills for careers in the pathway of choice.

Counseling and Mental Health

COUNSELING AND MENTAL HEALTH I

Grade Level: 9,10,11,12 **Course Code: FC132X0**
Credit: 1 unit

Develop an understanding of healthy relationships on an individual's personal development. Engage in effective communication strategies for strengthening relationships. Explore the correlation of family systems on an individual's well-being throughout one's lifespan. Gain the knowledge and skills for careers in counseling and mental health.

COUNSELING AND MENTAL HEALTH II

Grade Level: 9,10,11,12 **Course Code: FC142X0**
Credit: 1 Unit

Focus on the classification of mental health disorders. Inspire an understanding of mental health theories and treatments. Explore how human brain functions affect mental health. Gain the knowledge and skills for careers in counseling and mental health.

Trade and Industrial Education

AUTOMOTIVE BODY REPAIR I

Grade Level: 9, 10, 11 **Course Code: IT352X0**
Prerequisite: None **Credit: 1 unit**

Gain an understanding of tools and equipment used in automotive body repair. Develop an understanding of hazardous materials and personal safety. Focus on various hands-on activities used in vehicle body repair. Gain the knowledge, skills, and industry credentials for careers in the Automotive Body Repair pathway. * For safety reasons, the recommended enrollment should not exceed 20 students.

AUTOMOTIVE BODY REPAIR II

Grade Level: 9, 10, 11, 12 **Course Code: IT312X0**
Prerequisite: Automotive Body Repair I **Credit: 1 unit**

Explore the talents needed for non-structural vehicle repairs. Focus on hands-on activities involving vehicle trim, hardware, and bolted-on parts replacement. Gain the knowledge, skills, and industry credentials for careers in the Automotive Body Repair pathway. * For safety reasons, the recommended enrollment should not exceed 20 students.

AUTOMOTIVE SERVICE FUNDAMENTALS

Grade Level: 9, 10, 11 **Course Code: IT112X0**
Credit: 1 unit

Build foundational automotive skills through hands-on experience with shop safety, equipment, and hand tools. Safely lift vehicles and perform basic inspection procedures. Complete essential tasks like engine oil and filter service, jumpstarting a vehicle, and replacing a 12-volt battery. Gain the knowledge, skills, and industry credentials for careers in the Automotive Service pathway. * For safety reasons, the recommended enrollment should not exceed 20 students.

AUTOMOTIVE SERVICE I

Grade Level: 9, 10, 11, 12 **Course Code: IT162X0**
Prerequisite: Automotive Service Fundamentals **Credit: 1 unit**

Service drivetrain and brake systems while building real-world automotive skills. Explore electrical systems and perform key tests using a digital multimeter. Inspect, repair, and balance tires to support safe and reliable vehicle performance. Gain the knowledge, skills, and industry credentials for careers in the Automotive Service pathway. * For safety reasons, the recommended enrollment should not exceed 20 students.

AUTOMOTIVE SERVICE II - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IT175X0**
Prerequisite: Automotive Service I **Credit: 1 unit, Weight: +.5**

Perform basic suspension and steering inspections and service. Research vehicle information, service bulletins, and recalls on vehicles being serviced. Gather information on vehicle codes and module data used to diagnose vehicle systems. Gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. * For safety reasons, the recommended enrollment should not exceed 20 students.

AUTOMOTIVE SERVICE III - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IT185X0**
Prerequisite: Automotive Service II **Credit: 1 unit, Weight: +.5**

Explore more advanced and in-depth vehicle repairs and services. Perform basic system diagnosis. Expand knowledge in heating and air conditioning systems operations. Gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. *For safety reasons, the recommended enrollment should not exceed 0 students.

DRAFTING I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IC615X0**
Credit: 1 unit, Weight: +.5

Investigate essential concepts, trends, and career options in the architectural and engineering industry. Practice fundamental sketching skills and techniques required in architectural and engineering graphic communications. Perform CAD (computer aided drafting/design) procedures required to produce basic technical drawings. Gain the knowledge, skills, and industry credentials for careers in architecture and construction.

DRAFTING II-ENGINEERING HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IV225X0**
Prerequisite: Drafting I **Credit: 1 unit, Weight: +.5**

Investigate design concepts, principles, trade terminology, and career options found in the engineering industry. Practice techniques to create 3D-solid modeled parts and working drawings using CAD (computer aided drafting/design). Practice conventional dimensioning and tolerancing techniques used in engineering design and production. Gain the knowledge, skills, and industry credentials for careers in science, technology, engineering, and mathematics.

DRONE TECHNOLOGY FUNDAMENTALS

Grade Level: 9, 10, 11, 12 **Course Code: ID102X0**
Credit: 1 unit

Explore the basic skills and knowledge needed to be a recreational drone pilot. Develop a sectional chart using legends for planned drone mission flights. Develop a basic program to conduct an autonomous flight using small drones in the classroom. Gain the knowledge, skills, and industry credentials for careers in drone technology.

DRONE TECHNOLOGY I

Grade Level: 9, 10, 11, 12 **Course Code: ID112X0**
Credit: 1 unit

Develop drone piloting knowledge and skills needed to obtain an FAA Remote Pilot certification. Participate in drone mission planning, basic flight operations, and drone aircraft maintenance. Execute communication needed as a flight crew team member. Demonstrate flight skills by obtaining industry certification. Gain the knowledge, skills, and industry credentials for careers in drone technology.

DRONE TECHNOLOGY II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: ID125X0**
Prerequisite: Drone Technology I, FAA 107 certification, and NCDOT certification **Credit: 1 unit, Weight: +.5**

Execute drone missions that include autonomous flight and mapping. Utilize mapping software to produce 2D and 3D images. Develop a business plan needed to start a drone piloting company. Gain the knowledge, skills, and enhanced industry credentials for careers in drone technology.

LAW & JUSTICE I

Grade Level: 9, 10, 11, 12 **Course Code: IP412X0**
Prerequisite: Public Safety I Strongly Recommended **Credit: 1 unit**

Develop an understanding of the history of law enforcement, including the criminal justice system. Understand the responsibilities of policing, and the classification of crimes. Practice basic skills such as communication with diverse groups, conflict resolution, operation of equipment, and courtroom testimony. Gain the knowledge, skills, and industry credentials for careers in law and justice.

LAW & JUSTICE II - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IP425X0**
Prerequisite: Law and Justice I **Credit: 1 unit, Weight: +.5**

Gather knowledge and skills required in private security protection. Practice communication skills required of protection officers. Perform tasks including crime prevention, risk and threat management, and physical security. Gain the knowledge, skills, and industry credentials for careers in law and justice.

MASONRY I HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IC115X0**
Prerequisite: Core and Sustainable Construction
Credit: 1 unit, Weight: +.5

Develop basic skills to interpret measurements, drawings, and specifications common in masonry work. Engage in safely operating masonry tools and equipment. Participate in setting up, laying out, and bonding block and brick using an appropriate mortar mixture. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. * For safety reasons, the recommended enrollment should not exceed 20 students.

MASONRY II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IC125X0**
Prerequisite: Masonry I **Credit: 1 unit, Weight: +.5**

Participate in masonry construction techniques for residential and small structure foundations. Focus on the use of grout and the application of other reinforced masonry elements. Engage in the installation of metal components and masonry openings. Gain the knowledge, skills, and industry credentials for careers in architecture and construction. * For safety reasons, the recommended enrollment should not exceed 20 students.

PUBLIC SAFETY I

Grade Level: 9, 10, 11, 12 **Course Code: IP112X0**
Credit: 1 unit

Develop a basic understanding of careers and skills in the public safety pathway. Perform basic skills with these different careers, including firefighting, EMT, and law enforcement. Create a student personal plan for a career in public safety. Gain the knowledge, skills, and industry credentials for careers in public safety.

PUBLIC SAFETY II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IP125X0**
Prerequisite: Public Safety I **Credit: 1 Unit, Weight: +.5**

Develop a deeper understanding of careers and skills in the public safety pathway. Perform skills associated with being part of a community emergency response team. Prepare for a career in 9-1-1 telecommunication through demonstrated activities. Gain the knowledge, skills, and industry credentials for careers in public safety.

SREB AC INTRODUCTION TO LOGISTICS HONORS

Prerequisite: None **Course Code: IE415X0**
Credit: 1 unit, Weight: +.5

This course engages students in solving contextual problems related to the concepts of supply chains, warehouse location, contingency planning, insourcing and outsourcing, and expanding existing supply chains. These concepts form the basis of global logistics and supply chain management and help students understand how professionals examine options to maximize the use of resources across distribution networks.

SREB AC FUNCTIONAL AREAS OF LOGISTICS HONORS

Prerequisite: Logistics Warehousing **Course Code: IE425X0**
Credit: 1 unit, Weight: +.5

This course compels students to explore deeper understandings of the concepts they discovered in the previous course as they navigate projects on warehouse design, inventory management, transportation optimization, information technology, emergency responsiveness and the supply chain for manufacturing. Students use their experiences in this course to discover ways that professionals minimize the outlay of resources while improving efficiency and ability in the global market.

WOODWORKING I

Grade Level: 9, 10, 11, 12 **Course Code: IM212X0**
Credit: 1 unit

Develop a working knowledge of Health and Safety Hazards practices in the woodworking industry. Practice techniques required to safely operate hand tools, portable power tools, and stationary power tools used in the woodworking industry. Engage in procedures for designing, laying out, and constructing a cabinet assembly. Gain the knowledge, skills, and industry credentials for careers in manufacturing. * For safety reasons, the recommended enrollment should not exceed 20 students.

WOODWORKING II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IM225X0**
Prerequisite: Woodworking I,
NC Math II Recommended **Credit: 1 unit, Weight: +.5**

Practice advanced techniques required to safely operate hand tools, portable power tools, and stationary power tools used in the woodworking industry. Develop a working knowledge of material characteristics, advanced surface preparation, and finish techniques used in the woodworking industry. Engage in advanced procedures for designing, laying out, and constructing a cabinet assembly. Gain the knowledge, skills, and industry credentials for careers in manufacturing. * For safety reasons, the recommended enrollment should not exceed 20 students.

CTE ADVANCED STUDIES HONORS

Grade Level: 12 **Course Code: Varies by Pathway**
Prerequisite: Two technical credits in one Career Cluster
Credit: 1 unit, Weight: +.5

Prepare for postsecondary education and future careers through analysis and research of selected career pathways. Experience real-world application of course/pathway content through a work-based learning lens acquired by utilizing employability skills in an authentic workforce activity. Evaluate and plan for a postsecondary career while educating others. Gain the knowledge and skills for careers in the pathway of choice.

Physical Education

FUNDAMENTALS OF ATHLETIC TRAINING

Grade Level: 10, 11, 12 **Course Code: 96102X0AT**
Credit: 1 unit

This course covers the development of athletic training as an allied health profession in the modern-day explosion of sports and physically active people. Students will be able to care for common injuries to joints, bones and muscles, as well as recognize catastrophic injuries and specific illnesses, including HIV and Hepatitis B. Also, OSHA guidelines, negligence, and proper administration of medical records will be studied. Students will apply classroom knowledge and taping skills by working after school with one of the school's athletic teams. A certified athletic trainer will teach the course, and students may become certified in First Aid and CPR.

HEALTH EDUCATION/PHYSICAL EDUCATION I

Grade Level: 9 **Course Code: 60492X0**
Credit: 1 unit

The course will enable students to gain knowledge and skills about healthful living topics important to their age levels. The following strands are the focus of instruction: health-related fitness, motor skills, movement concepts, personal and social responsibility, nutrition and physical activity, alcohol, tobacco and other drugs, mental and emotional health, interpersonal communications and relationships, personal, and consumer health.

PHYSICAL EDUCATION II

Grade Level: 10 **Course Code: 60292X02**
Prerequisite: Health Education/Physical Education I **Credit: 1 unit**

This course is designed to develop attitudes and techniques, which will enable the student to take part in lifetime sports with an increased degree of knowledge, skill and satisfaction. Emphasis is placed on the development of specific skills, acquiring knowledge of activity and its history, participation, physical development, and student leadership. Students are provided with opportunities in the following areas: warm-up and conditioning activities, individual and dual activities (golf, tennis, weight training, wrestling, jogging, recreational games and gymnastics, fitness testing) team games (basketball, softball, volleyball, soccer; rhythms; and folk, social, and modern dancing).

PHYSICAL EDUCATION III

Grade Level: 11, 12 **Course Code: 60292X03**
Prerequisite: Physical Education II **Credit: 1 unit**

This course is designed to allow the students to concentrate in areas of interest developed in PE II. The course will be team-taught with each unit being presented in greater detail. Emphasis will be placed on skill development, knowledge of the activity, and physical fitness, as well as learning how to set up various programs, officiate various sports, and conduct research in areas of conditioning and weight training. Emphasis will be placed on routines on selected pieces of apparatus and on knowledge of routines and scoring methods for each specific routine.

PHYSICAL EDUCATION IV

Grade Level: 12 **Course Code:60292X04**
Prerequisite: Physical Education III **Credit: 1 unit**

This course is completely coeducational and covers a wide variety of advanced physical education activities as developed in PE II and PE III.

ADVANCED ATHLETIC PERFORMANCE HONORS (WEIGHTLIFTING)

Grade Level: 10-12 **Course Code: 60292X0WL**
Prerequisite: Physical Education II **Credit: 1 unit, Weight: +.5**

This course focuses on optimizing athletic performance through the study of movement mechanics, strength training principles, and reducing injury. Students will apply biomechanical and kinesiology principles to improve muscle activation, velocity, and force, while learning proper resistance training techniques, exercise programming, and nutrition. Emphasizing safety, progression, and fitness testing sessions, the honors course challenges students to design individualized workout plans based on their physical abilities and needs. Students will integrate knowledge from biology, anatomy, and kinesiology, complete focused assignments, and create portfolios to demonstrate their learning.

LIFETIME FITNESS HONORS

Grade Level: 10-12 **Course Code: 60295X0**
Prerequisite: Health/PE and PE II **Credit: 1 unit, Weight: +.5**

This course emphasizes improving cardiovascular endurance, flexibility, and overall fitness levels through a variety of health and wellness activities. Students will design and implement personalized fitness plans aimed at achieving their individual health goals. The course introduces essential activities such as fitness walking, running , aerobics, yoga, pilates, stability and bosu balls, resistance bands, and jump rope. The honors course challenges students to design individualized workout plans based on their physical abilities and needs. Designed to inspire lifelong physical fitness, the course encourages students to plan for and pursue healthy, active lifestyles.

Military Science (JROTC)

AFJROTC I (AFJROTC I-A, AFJROTC I-B)

Grade Level: 9, 10, 11, 12 **Course Code: 95012X0**
Credit: 1 unit

The first year is a history course designed to acquaint the student with the historical development of flight and the role of the military in history. Over half of the available classroom hours are spent reviewing the development of flight from ancient legends to the space shuttle with an emphasis throughout on the role of the military. Leadership education during the first year includes instruction on the wear of the uniform, Air Force customs, and courtesies, basic drill and ceremonies, and fellowship skills. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated with age and gender. All AFJROTC courses in CCS include one day of wellness each week. Choice schools that do not offer JROTC can participate at their home school.

AFJROTC II-(AFJROTC II-A, AFJROTC II-B)

Grade Level: 10, 11, 12 **Course Code: 95022X0**
Prerequisite: AFJROTC I **Credit: 1 unit**

The second year is a science course designed to acquaint the student with the aerospace environment, the principles of flight and navigation, and human limitations of flight. Leadership Education during the second-year stresses communication skills and cadet corps activities. Written and oral reports compliment academic materials. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated with age and gender. All AFJROTC courses in CCS include one day of wellness each week. An alternative offering includes a new course that is designed to provide cadets knowledge of the rapidly changing world in which they live. It is designed to introduce cadets to the study of world affairs, regional studies, and cultural awareness. Additionally, the course looks into history, geography, language, culture, human rights, and social issues on a global scale. The world is divided into specific regional areas for study. Choice schools that do not offer JROTC can participate at their home school.

AFJROTC III (AFJROTC III-A, AFJROTC III-B)

Grade Level: 11, 12 **Course Code: 95032X0**
Prerequisite: AFJROTC II **Credit: 1 unit**

The third year is a science course, which discusses the principles of propulsion systems, fundamentals of rocketry and its application to spacecraft, principles underlying space travel, and various aspects of space exploration. This year's materials are perhaps the most technical. Leadership Education for third year cadets' places emphasis on the management process. Cadets are introduced to various management theories and are taught principles and techniques of stress and financial management. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated with age and gender. All FJROTC courses in CCS include one day of wellness each week. Choice schools that do not offer JROTC can participate at their home school.

AFJROTC III HONORS (AFJROTC III-A HONORS, AFJROTC III- B HONORS)

Grade Level: 11, 12 **Course Code: 95035X0**
Prerequisites: AFJROTC II **Credit: 1 unit, Weight: +.5**

This course is designed for students who assume the additional responsibilities required in leadership positions as well as the regular course requirements of AFJROTC III. Students promoted to Wing/Group Commander and other senior staff positions are eligible for this honors level. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated with age and gender. All AFJROTC courses in CCS include one day of wellness each week. Choice schools that do not offer JROTC can participate at their home school.

AFJROTC IV- (AFJROTC IV-A, AFJROTC IV-B)

Grade Level: 12 **Course Code: 95042X0**
Prerequisite: AFJROTC III **Credit: 1 unit**

The fourth year of AFJROTC requires the cadets to demonstrate their leadership and managerial skills. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision making will be done by the cadets. They practice their communication, decision making, personal interaction, managerial, and organizational skills. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated with age and gender. All AFJROTC courses in CCS include one day of wellness each week. Choice schools that do not offer JROTC can participate at their home school.

AFJROTC IV HONORS (AFJROTC IV- A HONORS, AFJROTC IV-B HONORS)

Grade Level: 11, 12 **Course Code: 95045X0**
Prerequisites: AFJROTC III **Credit: 1 unit, Weight: +.5**

This course is designed for students who assume the additional responsibilities required in leadership positions as well as the regular course requirements of AFJROTC IV. Students promoted to Wing/Group Commander and other senior staff positions are eligible for this honors level. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual baseline improvements with the goal of achieving a national standard as calculated with age and gender. All AFJROTC courses in CCS include one day of wellness each week. Choice schools that do not offer JROTC can participate at their home school.

ARMY JROTC I (JR ROTC I-A, JR ROTC I-B)

Grade Level: 9, 10, 11, 12 **Course Code: 95012X0**
Credit: 1 unit

The purpose of this course is to instill self-discipline, self-awareness and to enable students to develop knowledge of the history, customs, traditions, and purpose of the Army JROTC. The course includes development of basic leadership skills including leadership principles, values, and attributes. Students should master appreciation for diversity. Active learning strategies are integrated throughout the course with an emphasis on writing skills and oral communication techniques. Financial planning as well as physical fitness, diet, nutrition, healthy lifestyles, awareness of substance abuse and prevention, and basic first aid measures are included. A study of the United States Constitution, Bill of Rights, responsibilities of United States citizens, and the federal justice system is also provided. This course includes an introduction to drill and ceremony, wear and care of the military uniform and physical fitness. Choice schools that do not offer JROTC can participate at their home school.

ARMY JROTC II (JR ROTC II –A, JR ROTC II-B)

Grade Level: 10, 11, 12 **Course Code: 95022X0**
Prerequisite: JR ROTC I **Credit: 1 unit**

The purpose of this course is to instill self-discipline and enable students to expand on skills taught in Leadership Education and Training I. This course introduces the concepts of equal opportunity, fair treatment of minorities, and prevention of sexual harassment. It provides instruction on leadership skills, leadership theories, as well as the basic principles of management. It provides self-assessments that help students determine their skill sets and opportunities to teach using accepted principles and methods of instruction. It emphasizes community service project planning and execution. It also includes dietary guidelines, fitness, and map-reading and orienteering skills. It discusses the significant events that helped shape and develop the Constitution and government. This course includes more advanced drill and ceremony, uniform inspections and physical fitness. Choice schools that do not offer JROTC can participate at their home school.

ARMY JROTC III

Grade Level: 11, 12 **Course Code: 95032X0**
Prerequisite: JR ROTC II **Credit: 1 unit**

The primary purpose of this course is to instill self-discipline and enable students to expand on skills taught in Leadership Education and Training 2. This course introduces the students to basic Command and Staff principles, leadership planning and development of leadership strategies. Students improve and refine their Drill and Ceremony skills at both the platoon and company levels (armed and unarmed). Public speaking and presentation skills are emphasized, both in classroom and real-world environments. The course also emphasizes managing conflict, career planning, social responsibility, financial planning and critical thinking. Additionally, this course focuses on wellness and physical fitness, current events awareness and analysis and community service event planning and participation. Choice schools that do not offer JROTC can participate at their home school.

ARMY JROTC III HONORS (JR ROTC III-A HONORS, JR ROTC III-B HONORS)

Grade Level: 11, 12 **Course Code: 95035X0**
Prerequisites: JR ROTC II **Credit: 1 unit, Weight: +.5**

This course is designed for students who assume the additional responsibilities required in leadership positions as well as the regular course requirements of Junior ROTC III. Students promoted to senior leadership positions and staff positions are eligible for this honors level. This course is an introduction to the JROTC staff and its functions. It includes planning and coordinating inspections, executing the physical fitness plan, overseeing supply accountability and ensuring the administrative procedures for the JROTC battalion are being completed in the JROTC Unit Management System (JUMS). Choice schools that do not offer JROTC can participate at their home school.

ARMY JROTC IV (JR ROTC IV-A, JR ROTC IV-B)

Grade Level: 12 **Course Code: 95042X0**
Prerequisite: JR ROTC III **Credit: 1 unit**

The LET 4 curriculum, while continuing to build self-discipline from the previous three years of JROTC instruction, emphasizes service to the nation as well as exploring leadership principles associated with power bases, leadership styles, management skills and motivation. This curriculum also provides cadets instruction in multiple facets of personal finance utilizing the National Endowment of Financial Education (NEFE) High School Financial Planning Program. Additionally, cadets will continue to explore career planning by further developing their individualized career and/or college preparation plans. Cadets will act as Assistant Instructors and enhance their teaching skills by assisting in the instruction of LET I cadets in drill, uniforms and physical fitness. The LET 4 curriculum will also require senior cadets to participate in a variety of individual and group projects and service-learning programs. Choice schools that do not offer JROTC can participate at their home school.

ARMY JROTC IV HONORS (JR ROTC IV – A HONORS, JR ROTC IV – B HONORS)

Grade Level: 11, 12 **Course Code: 95045X0**
Prerequisites: JR ROTC III HONORS **Credit: 1 unit, Weight: +.5**

This course is designed for students who assume the additional responsibilities required in leadership positions as well as the regular course requirements of Junior ROTC IV. Students promoted to Battalion Commander/ SGM or CSM and other executive and staff positions are eligible for this honors level. These cadets will comprise the JROTC staff and execute all the administrative functions for the running of the JROTC program. It includes executing proper uniform inspections, executing the physical fitness plan, executing supply accountability and ensuring the administrative procedures for the JROTC battalion are being completed in the JROTC Unit Management System (JUMS). Additionally, these cadets will plan, coordinate and execute the Service-Learning Project and Continuous Improvement Plan. Choice schools that do not offer JROTC can participate at their home school.

NJROTC I

Grade Level: 9, 10, 11, 12 **Course Code: 95012X0**
Credit: 1 unit

This course is a military-oriented academic program supported jointly by the U.S. Navy and public school system. This course, as all other NJROTC courses, stresses development of good citizenship skills leadership, self-reliance, initiative, responsibility, effective communications, and physical conditioning. Class time is normally split between academic study and drill techniques or physical conditioning, as well as application of leadership theory. Extracurricular activities are available for enrolled students in Drill, Color Guard, Rifle Team, NJROTC Academics, and NJROTC Athletics. Choice schools that do not offer JROTC can participate at their home school.

NJROTC II

Grade Level: 10, 11, 12 **Course Code: 95022X0**
Prerequisite: NJROTC I **Credit: 1 unit**

This course is a continuation of the core materials in the NJROTC program. Additional areas covered include naval history (1860- World War II), shipboard organization, meteorology, navigation fundamentals and rules of the nautical road, naval weapons, and survival training. Additional emphasis is placed on development of leadership skills, cadet planning, and community and civic support. Extracurricular offerings are the same as NJROTC I. Choice schools that do not offer JROTC can participate at their home school.

NJROTC III

Grade Level: 11, 12 **Course Code: 95032X0**
Prerequisite: NJROTC II **Credit: 1 unit**

This course is a continuation of the NJROTC program. Additional areas covered include military justice, astronomy, international law, sea power and national security, naval history (Post World War II to Bosnia), naval operations and communications, and fundamentals of electricity and electronics. Additional emphasis is placed on development of leadership skills, cadet staff officer planning, and community and civic support. Extracurricular activities are the same as NJROTC I & II. Choice schools that do not offer JROTC can participate at their home school.

NJROTC III HONORS

Grade Level: 11, 12 **Course Code: 95035X0**
Prerequisites: NJROTC II **Credit: 1 unit, Weight: +.5**

This course is designed for students who assume the additional responsibilities required in leadership positions as well as the regular course requirements of NJROTC III. Students promoted or advanced to Cadet Commander and other officer and petty officer positions are eligible for this honors level. Additional course requirements will include preparation of independent research papers. Choice schools that do not offer JROTC can participate at their home school.

NJROTC IV

Grade Level: 12 **Course Code: 95042X0**
Prerequisite: NJROTC III **Credit: 1 unit**

This course is a continuation of the NJROTC program. Additional areas covered include Cadets Staff Officer Organization and implementation, intelligence and national security, health education, and current events. Additional emphasis is placed on demonstration of cadet leadership skills and techniques. Extracurricular offerings are the same as previous NJROTC courses. Choice schools that do not offer JROTC can participate at their home school.

NJROTC IV HONORS

Grade Level: 11, 12 **Course Code: 95045X0**
Prerequisites: NJROTC III **Credit: 1 unit, Weight: +.5**

This course is designed for students who assume the additional responsibilities required in leadership positions as well as the regular course requirements of NJROTC IV. Additional course requirements will include presentation of oral reports and the preparation of independent research papers. Choice schools that do not offer JROTC can participate at their home school.

NJROTC DRILL AND CEREMONIES LABORATORY

Grade Level: 10, 11, 12 **Course Code: 95022X0DL**
Prerequisites: Successful completion of NJROTC I and Teacher Approval **Credit: 1 unit**

Co-requisite: Enrollment in NJROTC II, III, IV/Teacher Approval This lab course will cover all basic drill procedures. Procedures for honors and ceremonies that would apply to both military and civilian protocol are included. In addition to standard military drill under arms, exhibition drill will be taught to enhance the cadet drill team's skills and capabilities. Choice schools that do not offer JROTC can participate at their home school.

Library Science

LIBRARY SCIENCE/MEDIA ASSISTANT

Grade Level: 9, 10, 11, 12 **Course Code: 96102X0LM**
Prerequisite: By Application **Credit: 0 units**

This course is open to all students who are interested in working in the media center one class period a day. The library science/media assistant course includes instruction in information skills and efficient use of digital databases, care and operation of technological devices, multimedia production, and media service delivery to students and school staff. Students will show increased proficiency when working with technological devices. Students also gather, organize, and combine information from print, visual, auditory, and electronic references. Students enrolled in this course must be in good academic and behavioral standing due to the nature of the work.

Miscellaneous Electives

FRESHMAN SEMINAR

Grade Level: 9 **Course Code: 96102X0FS**
Credit: 1 unit

This course is designed to foster the academic and social development of students for the transition from middle to high school. Freshman Seminar is coupled with the English I class. Topics include but are not limited to the following: organizational skills, time management, reinforcement of English skills, and career planning. Students in this course read Sean Covey's Seven Habits of Highly Effective Teens.

PRACTICAL EDUCATION TRAINING I (PET)

Grade Level: 11, 12 **Course Code: 96102X0PT1**
Prerequisite: By Application **Credit: 1 unit**

Practical Education Training I is a course designed to provide high school students an opportunity to work with students at an elementary school. After a training period, PET students enter the elementary classroom to provide tutorial help to students.

PRACTICAL EDUCATION TRAINING II (PET)

Grade Level: 11, 12 **Course Code: 96102X0PT2**
Prerequisite: By Application **Credit: 1 unit**

Practical Education Training II program is twofold: 1) to allow high school students the opportunity to tutor elementary, middle, or other high school students; 2) to afford academically successful students the experience of working with students and hopefully encouraging them to make teaching a career choice.

PEER HELPING

Grade Level: 10, 11, 12 **Course Code: 96102X0PH**
Prerequisite: By Application **Credit: 1 unit**

Peer Helping is a class for those students interested in helping fellow students with problem solving, tutoring, or areas in which the peer might have problems. Peer helpers may also assist teachers in various tasks. Training includes skills in listening, questioning, communication, problem solving, and tutoring. A selection process is used to determine entry into this course. The curriculum must be approved by Secondary Education.

SAT/ACT PREPARATION

Grade Level: 10, 11, 12 **Course Code: 96102X0SAP**
Prerequisite: NC Math II **Credit: 1 unit**

SAT/ACT Preparation is a semester long course designed to improve student performance on the SAT or ACT exams. The course is divided into four nine-week segments covering: 1) verbal skills and strategies, 2) math skills and strategies, 3) technology applications including computer research skills, and 4) general test taking skills and skills required for transition from high school to college.

STAFF ASSISTANT

Grade Level: 10, 11, 12 **Course Code: 99359X0SA**
Prerequisite: By Application **Credit: 0 unit**

Staff Assistant is a class for those students interested in providing assistance to school staff members. Students may be asked to answer phone calls, run errands within the school, file miscellaneous materials, or assist in other areas pertinent to the job of the person to whom the student is providing assistance. According to State Board Policy: Each local superintendent shall ensure that all required and elective courses have sufficient rigor, breadth, and depth to be awarded high school credit. Credit may not be awarded for school bus driving, office assistance, teacher assistance, or laboratory assistance. Students enrolled in this course will receive a grade of pass or fail.

SUCCESS 101

Grade Level: 9 **Course Code: 96102X0SU**
Credit: 1 unit

Success 101 focuses on providing new high school students with the skills necessary to be successful during secondary and post- secondary educational careers. Course content emphasis is placed on the acquisition of study, note- taking, interview, and test-taking skills. Other skills include conducting research, utilizing technology, media, and problem-solving strategies.

TEACHER CADET

Grade Level: 11, 12 **Course Code: 96042X0**
Credit: 1 unit

The Teacher Cadet course is considered an introduction and orientation to the teaching profession. The curriculum includes simulations and other "hands-on" activities designed to promote interest in the teaching field. All students are required to observe and participate in classrooms at the elementary, middle school, and/or high school levels.

TEACHER CADET II

Grade Level: 11, 12 **Course Code: 96062X0**
Credit: 1 unit

The Teacher Cadet II course is a more in-depth study with longer field experience. The curriculum includes simulations and other "hands-on" activities designed to promote interest in the teaching field. All students are required to observe and participate in classrooms at the elementary, middle, and/or high school levels.

Exceptional Children

CURRICULUM ASSISTANCE

Grade Level: 9, 10, 11, 12 **Course Code: 96102X0CA**
Credit: 1 unit

This course is designed to help students integrate study and social skills into subject areas by helping them acquire more efficient learning methods and interpersonal skills. It assists students in specific areas such as studying effectively, interpersonal communication, social skills, anger management, and listening. Areas of concentration will be individualized based on student IEP goals and objectives.

SPECIAL TOPICS IN READING-I

Course Code:
Credit: 1 unit

This course is an interactive, multisensory, remedial reading program designed for students with specific deficits in reading. The program develops the students' phoneme awareness, word decoding, encoding skills, writing, and related problems with language use.

SPECIAL TOPICS IN READING-II

Prerequisite: Special Topics in Reading-I **Course Code:**
Credit: 1 unit

This course is a continuation of Special Topics in Reading I.

SPECIAL TOPICS IN READING-III

Prerequisite: Special Topics in Reading- II **Course Code:**
Credit: 1 unit

This course is a continuation of Special Topics in Reading II.

SPECIAL TOPICS IN READING- IV

Prerequisite: Special Topics in Reading-III **Course Code:**
Credit: 1 unit

This course is a continuation of Special Topics in Reading III.

SPECIAL TOPICS IN LANGUAGE AND VOCABULARY

Grade Level: 9, 10, 11, 12 **Course Code:**
Credit: 1 unit

This course provides students with hearing impairments individualized instruction in the development of language (English) and vocabulary. Instruction will focus on oral/signed academic and social language development, writing, literacy, grade-specific needs and strategies. Students will learn to implement strategies to repair identified communication breakdowns. Students will use language skills to effectively advocate for his/her academic and social needs within the school and community.

SPECIAL TOPICS IN MATHEMATICS-I

Grade Level: 9, 10, 11, 12 **Course Code:**
Credit: 1 unit

This course is designed for and restricted to Exceptional Children's students with specific deficits in mathematics. Instructions will be designed for each student to adhere to the specifications contained in their Individual Education Plan (IEP)

SPECIAL TOPICS IN MATHEMATICS-II

Grade Level: 10,11, 12 **Course Code:**
Credit: 1 unit

This course is a continuation of Special Topics in Mathematics I. The course is designed for and restricted to Exceptional Children's students with specific deficits in mathematics. Instruction will be designed for each student to adhere to the specifications contained in their Individual Educational Plan (IEP).

SPECIAL TOPICS IN MATHEMATICS-III

Grade Level: 11, 12 **Course Code:**
Credit: 1 unit

This course is a continuation of Special Topics in Mathematics II. The course is designed for and restricted to Exceptional Children's students with specific deficits in mathematics. Instruction will be designed for each student to adhere to the specifications contained in their Individual Educational Plan (IEP).

SPECIAL TOPICS IN MATHEMATICS-IV

Grade Level: 12 **Course Code:**
Credit: 1 unit

This course is a continuation of Special Topics in Mathematics III. The course is designed for and restricted to Exceptional Children's students with specific deficits in mathematics. Instruction will be designed for each student to adhere to the specifications contained in their Individual Educational Plan (IEP).

Extended Content Standards - Electives

HEALTHY, SAFETY & INDEPENDENT LIVING

Grade Level: 10, 11, 12 **Course Code: 96102X0SIL**
Credit: 1 unit

This course pathway 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. The coursework concentrates on work related behaviors such as 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 and real-world connections. Concepts lead to the student's recognition of himself/herself 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.

VOCATIONAL TRAINING

Grade Level: 10, 11, 12 **Course Code: 96102X0VT**
Credit: 1 unit

This course is designed to help students develop entry-level job skills and competencies. Students participate in activities and experiences that facilitate career exploration and assess their vocational skills. They develop work related interpersonal and communication skills and learn to advocate for supports that promote career success. Students will develop independent functioning skills needed to meet the demands of employment. These competencies will foster employability skill development.

Occupational Course of Study

PREPARATION I (OCS)

Course Code: 9240BX0
Credit: 1 unit

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 will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on-vocational training in Career and Technical Education courses, 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 Occupational Preparation courses.

PREPARATION II (OCS)

Course Code: 9241BX0
Credit: 2 units (Year-Long)

This course emphasizes the development of skills generic to all career majors. This course content is focused on providing students with a repertoire of basic skills that will serve as a foundation for future career application. Students will expand their school-based learning activities to include on-campus jobs and begin some work- based learning activities. Job seeking skills will also continue to be refined.

PREPARATION III (OCS)

Course Code: 9242BX0
Credit: 2 units (Year-Long)

This course is designed to allow students to continue the development and begin the application of skills learned in Occupational Preparation I and II. Work-based learning activities are provided including community-based training, job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. These work-based activities allow students to apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality.

PREPARATION IV (OCS)

Course Code: 9242BX0
Credit: 1 unit

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 will participate in school-based learning activities including work ethic development, job-seeking skills, decision-making skills, and self-management. Students will be involved in on-campus vocational training activities such as school factories, work-based enterprises, hands-on-vocational training in Career and Technical Education courses, 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 Occupational Preparation courses.

PREP LAB (OCS)

Course Code: 96102X0PL
Credit: 1 unit

Occupational Prep Lab continues from Occupational Preparation I, II, III and IV. The course is designed to provide additional opportunities for student to further develop and refine the fundamental attitudes, behaviors, and habits needed to obtain and maintain employment. Students will participate in school-based learning activities such as school factories, work-based enterprises, hands-on vocational training and the operation of small businesses. Community-based training activities will include job shadowing, job sampling, internships, situational assessment, cooperative education, and apprenticeships. These work-based activities allow students to develop, refine and apply employability skills to competitive employment settings and demonstrate the effectiveness of their work personality and skills. Multiple opportunities for leadership development and self-determination are provided.

ENGLISH I (OCS)

Course Code: 9210BX0
Credit: 1 unit

This course is designed to provide students with an introduction to a variety of communication modes and develop an understanding of the importance that each play. Students apply a writing process to develop a product and develop an understanding of appropriate presentation skills. They apply reading and writing skills to comprehend various texts. There is an emphasis on the understanding of basic conventions of standard English and the recognition of appropriate examples of basic convention based on audience, purpose, and context. Students apply reading and writing skills to understand relationships in literature, societies, and cultures. They apply research tools and techniques to selected topics.

ENGLISH II (OCS)

Course Code: 9211BX0
Credit: 1 unit

Occupational English II focuses on the exploration and examination of a variety of communication modes and the importance each plays. Students create increasingly complex written responses for various audiences, purpose, and contexts. They apply reading and writing skills to analyze and evaluate relationships in real life situations, current events, and from global perspectives. They design and create oral, written, and visual products using 21st century technologies.

ENGLISH III (OCS)

Course Code: 9212BX0
Credit: 1 unit

Occupational English III focuses on the exploration and examination of a variety of communication modes and the importance each plays in real life situations and employment settings. Students apply reading and comprehension strategies to informational text found in employment, post-secondary education/training, and independent living domains. They apply knowledge of cause-and-effect relationships to problem-solve personal life situations and critique informational products for use in employment and at home.

ENGLISH IV (OCS)

Course Code: 9213BX0
Credit: 1 unit

Occupational English IV continues the focus on the exploration and examination of a variety of communication modes and the importance each plays in real life situations and employment settings. Students apply information from literary and informational texts to carry out adult living tasks. They produce plans to solve problems that occur in various domains of adult life and form opinions based on the analysis of current events, written texts, and/or personal life experiences. Students complete, present, and critique their Career Portfolio.

INTRODUCTORY MATHEMATICS (OCS)

Course Code: 9220BX0
Credit: 1 unit

Occupational Introduction to Mathematics is the study of a) Rational Numbers: comparing, identifying, ordering, and the mathematical skills using integers, decimals, fractions, percentages, ratios, proportions and probability; b) Geometry: calculating perimeter, area, and volume of two- and three-dimensional figures; c) Time and Measurement; d) Algebraic Structures; e) Patterns; and f) Data analysis. Students will acquire these skills through hands-on approaches and cooperative learning within the classroom and community. Application of these skills is necessary for independent living and successful employment.

NC MATH I (OCS)

Course Code: 9225BX0
Credit: 1 unit

Occupational NC Math I continues from Occupational Introductory Mathematics, the study of rational numbers and the application of these skills for independent living and successful employment. More emphasis is placed on algebraic and geometric reasoning, statistics, probability, and applying formulas. Application of these math skills is rooted in the understanding of functions based on mathematical and real-world phenomena.

FINANCIAL MANAGEMENT (OCS)

Course Code: 9222BX0
Credit: 1 unit

Occupational Financial Management is the study of math skills to gain independent living and successful employment. Emphasis is placed on financial planning, financial services, taxes, and wages. Students will apply appropriate methods to establish and maintain checking and savings accounts, loans, credit cards, and debit cards for personal financial management and independent living. They will compare methods of paying bills, debt versus credit, consumer spending, and insurance types. Application of these skills is necessary for independent living and successful employment.

AMERICAN HISTORY I (OCS)

Course Code: 9247BX0
Credit: 1 unit

This course guides 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. 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 Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution.

AMERICAN HISTORY II (OCS)

Course Code: 9248BX0
Credit: 1 unit

This course guides 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. The essential standards of American History Course II will trace the change 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. An emphasis is placed on the expanding role of the federal government and 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 interactions, and understand the impact of events in the United States in an interconnected world.

APPLIED SCIENCE (OCS)

Course Code: 9231BX0
Credit: 1 unit

Occupational Applied Science is designed to provide students with the knowledge necessary to understand and identify the basic principles of physics, physical science, and life science. Students will receive instruction on the concepts of energy, force, motion, electricity, matter and the body systems. Students will have opportunities to apply skills in the area of healthy living and safety to various situations within the home, community and workplace.

BIOLOGY I (OCS)

Course Code: 9232BX0
Credit: 1 unit

Occupational Biology I emphasize basic, functional knowledge of science concepts in the areas of living organisms, molecular biology, evolution, genetics, and ecology. Students will have the opportunity to apply science-based concepts to daily living situations at home, in the community, and the workplace.

Academy Specific Course Descriptions

Enrollment in these courses is limited to students accepted in the specific academy.

Academy of Agriculture - Cape Fear High School

AGRICULTURAL MECHANICS I

Grade Level: 9, 10, 11, 12 **Course Code: AS312X0**
Prerequisite: Agriscience Applications and Enrollment in the FFA Academy of Agriculture and Natural Sciences **Credit: 1 unit**

Develop knowledge and technical skills in the broad field of agricultural machinery, equipment, and structures. Identify day-to-day maintenance and repair needs of agricultural mechanics equipment. Generate knowledge of agricultural mechanics safety and hand/power tool use and selection. Develop an understanding of electrical wiring and basic agricultural metal and wood fabrication. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Power, Structural and Technical Systems pathway.

AGRICULTURAL MECHANICS II - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: AS325X0**
Prerequisite: Agricultural Mechanics I **Credit: 1 unit, Weight: +.5**

Understand metal fabrication technology to implement hot/cold metal working skills and technology, advanced welding and metal cutting skills. Build non-metallic agricultural fabrication techniques. Utilize tools and equipment safely to work with plastics, plumbing, concrete, and masonry. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in Power, Structural and Technical Systems pathway.

APPLIED ANIMAL SCIENCE - ANS 110

Grade Level: 12 **Course Code: WC022X05**
Prerequisite: **Credit: 1 unit**

This course introduces the livestock industry. Topics include nutrition, reproduction, production practices, diseases, meat processing, sustainable livestock production, and marketing. Upon completion, students should be able to demonstrate a basic understanding of livestock production practices and the economic impact of livestock locally, regionally, state-wide, and internationally.

ANIMAL HEALTH MANAGEMENT - ANS 150

Grade Level: 12 **Course Code: WC022X04**
Prerequisite: **Credit: 1 unit**

This course introduces animal diseases and health management. Topics include identification, prevention, management (including integrated pest management), and treatment of diseases. Upon completion, students should be able to recognize disease symptoms, recommend treatments, identify preventive steps, and develop biosecurity procedures.

LIVESTOCK PRODUCTION ISSUES - ANS 210

Grade Level: 12 **Course Code: WC022X010**
Prerequisite: **Credit: 1 unit**

This course explores areas associated with livestock production. Emphasis is placed on monthly work schedules; qualities of a successful manager; and recruiting, motivating, and retaining employees. Upon completion, students should be able to prepare a livestock management program, write a resume, complete an interview, and identify ways to improve community relations.

LIVESTOCK RECORDS & ANALYSIS - ANS 212

Grade Level: 12 **Course Code: WC002X0**
Prerequisite: **Credit: 1 unit**

This course introduces records and record keeping systems utilized in the livestock industry. Topics include heritability, cattle performance data, swine performance data, and poultry production. Upon completion, students should be able to select animals based on performance records, evaluate performance of operations, and complete production records.

VETERINARY ASSISTING HONORS

Grade Level: 10, 11, 12 **Course Code: AA415X0**
Prerequisite: Animal Science II-Companion Animal or Equine Science II **Credit: 1 Unit, Weight: +.5**

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 skills 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; these 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 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. *Note: Course enrollment limited to 15.*

Academy of Arts Education-Seventy-First High School

BALLET I (Dance Specialization-Beginning)

Grade Level: 9, 10, 11, 12 **Course Code: 51252X0**
Prerequisite: Dance I **Credit: 1 unit**

This course provides instruction in ballet technique and choreographic principles and is aligned to the Standard Course of Study dance curriculum at the beginning level. While emphasis will be placed on the development of ballet technique, students will also study ballet history, contemporary styles, and noted performers. Students present the skills they have learned through performances for selected audiences.

BALLET II (Dance Specialization-Intermediate)

Grade Level: 10, 11, 12 **Course Code: 51262X0**
Prerequisite: Ballet I and Audition **Credit: 1 unit**

This course continues the study of ballet and is aligned to the Standard Course of Study dance curriculum at the intermediate level. While the emphasis will continue to be on the development of ballet technique, students will also participate in choreographic design. Students will also study ballet history, contemporary and classical styles, as well as the lives of significant artists. Students perform a variety of works for selected audiences.

BALLET III (Dance Specialization-Accomplished)

Grade Level: 10, 11, 12 **Course Code: 51275X0**
Prerequisite: Ballet II and Audition **Credit: 1 unit, Weight: +.5**

Ballet III is aligned to the Standard Course of Study dance curriculum at the proficient level. Students continue to develop as ballet artists and choreographers and study contemporary and historical ballet styles. Students perform a variety of works for selected audiences.

PERFORMANCE COMPANY (Dance Specialization-Accomplished)

Grade Level: 10, 11, 12 **Course Code: 51275X0**
Prerequisite: Successful completion of an intermediate level dance course and audition **Credit: 1 unit, Weight: +.5**

This is an auditioned dance performing group aligned to the Standard Course of Study dance curriculum at the proficient level. Students will compile a portfolio that shows evidence of in-depth study in the areas of dance production, dance performance, criticism/aesthetics, history/research, and choreography.

CHOREOGRAPHIC LAB (Dance Specialization-Advanced)

Grade Level: 10, 11, 12 **Course Code: 51285X0**
Prerequisite: Successful completion of a proficient level dance course and placement audition **Credit: 1 unit, Weight: +.5**

Choreographic Lab provides students with choreographic and production techniques necessary for creating and staging a choreographic work (including costuming, music, lighting, set, sound, make-up, publicity, etc.). Students develop a senior project, which must be presented in a formal concert. This course is aligned to the Standard Course of Study dance curriculum at the advanced level. Students will compile a portfolio reflecting evidence of in-depth study.

CHAMBER CHOIR (Vocal Music-Advanced)

Grade Level: 9, 10, 11, 12 **Course Code: 52335X0**
Prerequisite: Successful completion of a proficient level choral music course and audition **Credit: 1 unit, Weight: +.5**

This is an auditioned performing group of advanced soprano, alto, tenor and bass voices. Repertory for performance and study focuses on music of the renaissance, baroque, classical, and romantic periods. Through the analysis and study of history, appropriate musical vocabulary, symbols, and literature (Grades V-VI), this course provides an appreciation and understanding of music in relation to selected styles, periods, composers, and cultures. Students create and maintain portfolios containing a combination of written, audio and visual examples of their work. Performance is an integral part of this course and all rehearsals and performances are required.

ART APPRECIATION (Visual Art Specialization-Beginning)

Grade Level: 9, 10, 11, 12 **Course Code: 54612X0**
Credit: 1 unit

This course introduces the origins and historical development of visual arts. Emphasis is placed on the elements and principles of art as seen in selected artworks from various art periods.

DRAWING & PAINTING (Visual Arts Specialization-Intermediate)

Grade Level: 9, 10, 11, 12 **Course Code: 54622X0**
Prerequisite: Art I **Credit: 1 unit**

This course focuses on a variety of drawing and painting techniques and media with emphasis on landscapes, portraits, and still life and is aligned to the Standard Course of Study visual arts curriculum at the intermediate level. Students receive instruction in matting and framing works of arts and are required to matte and frame selected art created in the class. Students must provide some art supplies.

SCULPTURE (Visual Arts Specialization -Intermediate)

Grade Level: 9, 10, 11, 12 **Course Code: 54622X0**
Prerequisite: Art I **Credit: 1 unit**

Students explore a variety of styles of and materials used to make sculpture. Special emphasis will be placed on the dimensionality of sculpture and the interplay of light and shadow. This course is aligned to the Standard Course of Study visual arts curriculum at the intermediate level. Students must provide some art supplies.

PHOTOGRAPHY

Grade Level: 10, 11, 12 **Course Code:54622X0P**
Credit: 1 unit

This course offers an introduction to the art of Photography. Students will learn about camera operation, artistic composition, creative effects, film (black and white), developing and prints.

HISTORICAL CRAFTS OF THE WORLD (Visual Arts Specialization- Intermediate)

Grade Level: 9, 10, 11, 12 **Course Code: 54162X0**
Prerequisite: Art I **Credit: 1 unit**

Students will learn about the origins and historic developments of fine arts and crafts from various countries and historical periods and analyze their influence on current society. This course will focus on a variety of art and craft techniques such as (but not limited to) weaving, pottery making, jewelry making, and batik. This course is aligned to the Standard Course of Study visual art curriculum at the intermediate level. Students must provide some selected art supplies.

MUSICAL THEATRE (Theatre Arts Specialization-Intermediate)

Grade Level: 9, 10, 11, 12 **Course Code: 53622X0**
Prerequisites: Theatre Arts I and Audition **Credit: 1 unit**

This is an auditioned theatre arts company for students interested in the production of musical plays that teach, inform, and entertain audiences. This course is aligned to the Standard Course of Study theatre arts curriculum at the intermediate level. Rehearsals and performances may require after-school and evening participation.

Musical Theatre students will be involved in all aspects of artistic, creative, and technical activities required for a theatrical production.

ACTING & DIRECTING (Theatre Arts Specialization - Accomplished)

Grade Level: 10, 11, 12 **Course Code: 53175X0**
Prerequisite: Theatre Arts II and audition **Credit: 1 unit, Weight: +.5**

This course focuses on selected techniques and approaches to acting and directing. Students research, study, and implement acting elements and a variety of acting techniques, methods, and styles. Students are required to perform in a variety of roles. Students study the creative role of a director in both historical and contemporary theatre. Students are required to direct a play from start to finish including, casting, rehearsals, and production. This course is aligned to the Standard Course of Study curriculum at the proficient level.

LEARNING ART THROUGH HISTORY

Grade Level: 11, 12 **Course Code: 5A007X0**
Prerequisite: U.S. History **Credit: 1 unit**

This course will be offered to enhance U.S. History and embrace an artistic opportunity while complementing the Arts Education Academy. This course offers a more relevant and meaningful approach to appreciating art and history at the same time.

Academy of Emergency Medical Science - Pine Forest High School

HEALTH SCIENCE CAREERS 1A

Grade Level: 9, 10, 11, 12 **Course Code: HL122X0**
Recommended Prerequisite: Enrollment in the Academy of Emergency Medical Science **Credit: 1 unit**

This introductory course is designed by Paxton/Patterson and consists of a computer-based, modular, hands-on exploration of various health careers to include: Clinical Lab Practices, Veterinary Medicine, EMT, Pharmacology, Speech Therapy, Nursing, and Mental Health.

HEALTH SCIENCE CAREERS 1B

Grade Level: 9, 10, 11, 12 **Course Code: HL142X0**
Recommended Prerequisite: Enrollment in the Academy of Emergency Medical Science **Credit: 1 unit**

This introductory course is designed by Paxton/Patterson and consists of a computer-based, modular, hands-on exploration of various health careers to include: Biomedical Engineering, Sports Medicine, Forensics, Medical Imaging, Dentistry, Therapeutic Services, and Ophthalmology.

Academy of Engineering Technology - Westover High School

PLTW DIGITAL ELECTRONICS

Grade Level: 9, 10, 11, 12 **Course Code: CE137X0**
Prerequisite: CE10 Introduction to Engineering Design **Credit: 1 unit, Weight: +1**

In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students explore the foundations of computing by engaging in circuit design processes to create combinational logic and sequential logic (memory) as electrical engineers do in industry. Art, English language arts, mathematics and science are reinforced.

PLTW COMPUTER INTEGRATED MANUFACTURING HONORS

Grade Level: 10, 11, 12 **Course Code: CE175X0**
Prerequisite: CE10 Introduction to Engineering Design **Credit: 1 unit, Weight: +.5**

In this specialization Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students discover and explore manufacturing processes, product design, robotics, and automation, and then they apply what they have learned to design solutions for real-world manufacturing problems. Art, English language arts, mathematics and science are reinforced.

PLTW ENGINEERING DESIGN - HONORS

Grade Level: 10, 11, 12 **Course Code: CE105X0**
Prerequisite: Enrollment in the Academy of Engineering Technology **Credit: 1 unit, Weight: +.5**

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

PLTW CIVIL ENGINEERING AND ARCHITECTURE

Grade Level: 9, 10, 11, 12 **Course Code: TP117X0**
Prerequisite: Enrollment in the Academy of Engineering Technology **Credit: 1 unit, Weight: +1**

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

PLTW PRINCIPLES OF ENGINEERING

Grade Level: 9, 10, 11, 12 **Course Code: CE117X0**
Prerequisite: CE10 Introduction to Engineering Design **Credit: 1 unit, Weight: +1**

In this foundation Project Lead the Way (PLTW) Pathway to Engineering (PTE) course, students survey engineering and are exposed to major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community. Art, English language arts, mathematics and science are reinforced. *Due to potentially hazardous processes and equipment a maximum enrollment of 20 is recommended.*

PLTW CAPSTONE

Grade Level: 9, 10, 11, 12 **Course Code: CE162X0**
Prerequisite: CE13 OR CE17 OR CE14 **Credit: 1 unit**

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

Academy of Finance - Douglas Byrd High School

ACCOUNTING I

Grade Level: 9, 10, 11, 12 **Course Code: BA102X0**
Credit: 1 unit

Investigate the fundamental accounting principles and the ethical responsibilities of the profession. Analyze the accounting cycle, managing assets and sales, inventory valuation methods, and preparing and posting journal entries for various business structures. Implement payroll accounting, financial statement preparation, and specialized accounting activities. Gain the knowledge and skills for careers in accounting.

ACCOUNTING II - HONORS

Grade Level: 9, 10, 11, 12 **Course Code: BA205X0**
Prerequisite: Accounting I **Credit: 1 unit; Weight: +.5**

Develop in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making managerial decisions. Explore departmental accounting, corporate accounting, cost accounting, and inventory control systems. Amplify accounting skills to accurately complete specialized accounting procedures. Gain the knowledge and skills for careers in accounting.

BUSINESS ESSENTIALS

Grade Level: 9, 10, 11, 12 **Course Code: BF102X0**
Credit: 1 unit

Explore realistic business principles by examining the business environment and primary business activities. Conceptualize ethics, customer relations, and human resource management through workplace scenarios. Investigate the usage of financial analysis, economics, information management, marketing, operations, and technology in the business world of the 21st century. Gain the knowledge and skills for careers in multiple business pathways.

BUSINESS MANAGEMENT I

Grade Level: 9, 10, 11, 12 **Course Code: BB402X0**
Credit: 1 unit

Cultivate core management concepts. Investigate how managers plan, organize, staff, and direct the business's resources that enhance the effectiveness of the decision-making process. Explore ethical dilemmas and real-world situations utilizing customer service, academic, and critical-thinking skills. Gain the knowledge and skills for careers in general management.

BUSINESS MANAGEMENT II

Grade Level: 9, 10, 11, 12 **Course Code: BB422X0**
Prerequisite: Business Management I **Credit: 1 unit**

Nurture the appreciation and significance of management to business organizations. Investigate how managers control financial resources, inventory, ensure employee safety, and protect customer data to enhance the effectiveness of their decision making. Investigate ethical dilemmas, practice problem solving, and build teamwork skills. Gain the knowledge and skills for careers in business management.

CCS Fire Academy - E. E. Smith High School

FIREFIGHTER TECHNOLOGY I

Grade Level: 9, 10, 11, 12 **Course Code: IP312X0**
Credit: 1 unit

Gather basic knowledge and skills required in firefighting. Develop skills in communications, use of personal protective equipment, forcible entry, fire extinguishers, and building construction. Perform basic firefighter skills associated with the knowledge obtained in this course. Gain the knowledge, skills, and industry credentials for careers in firefighter technology.

FIREFIGHTER TECHNOLOGY II

Grade Level: 9, 10, 11, 12 **Course Code: IP322X0**
Prerequisite: IP31 Firefighter Technology I **Credit: 1 unit**

Enhance knowledge and skills required in firefighting. Develop skills in ladders, ventilation, ropes and knots, water supplies, hoses, appliances for search and rescue, and emergency medical care operations. Perform intermediate firefighter skills associated with the knowledge obtained in this course. Gain the knowledge, skills, and industry credentials for careers in firefighter technology.

FIREFIGHTER TECHNOLOGY III HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IP335X0**
Prerequisite: IP32 Firefighter Technology II **Credit: 1 unit, Weight: +.5**

Maximize knowledge and skills required in firefighting. Develop tasks related to skills used in rescue, fire protection, fire and life safety, mayday, HAZMAT, and traffic incident management. Perform advanced firefighter skills associated with the knowledge obtained in this course. Gain the knowledge, skills, and industry credentials for careers in firefighter technology.

Academy of Green Technology - Douglas Byrd High School

SREB AC CLEAN ENERGY TECHNOLOGY I-CLEAN ENERGY SYSTEMS HONORS

Grade Level: 9, 10 **Course Code: TR315X0**
Prerequisite: None **Credit: 1 unit, Weight: +.5**

This course exposes students to three sources of renewable energy: wind, solar and biofuels. Working with solar, thermal, chemical and mechanical sources of clean energy teaches students how to apply physics, geography, chemistry, biology, geometry, algebra and engineering fundamentals. Students learn the most efficient and appropriate use of energy production as they explore the relevant relationships among work, power and energy. Students will engage in a wide variety of hands-on projects and lab activities that both test their knowledge and illustrate the interrelationships between the various forms of clean energy.

SREB AC CLEAN ENERGY TECHNOLOGY II-CLEAN ENERGY APPLICATIONS HONORS

Grade Level: 9, 10, 11, 12 **Course Code: TR325X0**
Prerequisite: Clean Energy Technology I **Credit: 1 unit, Weight: +.5**

This course builds on the foundation of SREB AC Clean Energy Systems and introduces nuclear power, steam generation, fuel cells, geothermal power, water power, AC/DC power generation, heat transfer and the laws of thermodynamics. In addition, students now use chemical and thermal energy principles to create, store and use energy efficiently to power a variety of mechanical and electrical devices. Students will engage in a variety of hands-on design projects to demonstrate principles using advanced technology hardware and software.

SREB AC CLEAN ENERGY TECHNOLOGY III-CLEAN ENERGY STRATEGIES HONORS

Grade Level: 10, 11, 12 **Course Code: TR335X0**
Prerequisite: Clean Energy Technology II **Credit: 1 unit, Weight: +.5**

Students in this course utilize applicable skills from the foundational courses to tackle challenges associated with the implementation of clean energy technology. The hands-on projects encountered during this course will require students to address specific issues related to providing portable power in any situation, developing new energy storage systems, increasing the efficiency of the modern home, and designing more energy efficient buildings and homes.

SREB AC CLEAN ENERGY INNOVATIONS HONORS

Grade Level: 10, 11, 12 **Course Code: TR345X0**
Prerequisite: Clean Energy Technology III **Credit: 1 unit, Weight: +.5**

Students in this course utilize applicable skills from the foundational courses to tackle challenges associated with the implementation of clean energy technology. The hands-on projects encountered during this course will require students to address specific issues related to providing portable power in any situation, developing new energy storage systems, increasing the efficiency of the modern home, and designing more energy efficient buildings and homes.

DC/AC ELECTRICITY – ELC 112

Grade Level: 9, 10, 11, 12 **Course Code: WC032X09**
Prerequisite: None **Credit: 1 unit, Weight: +1**

This FTCC course introduces the fundamental concepts and computation related to DC/AC electricity. Emphasis is placed on DC/AC circuits, components, operation of test equipment, and other related topics. Upon completion, students should be able to construct, verify, and analyze simple DC/AC circuits.

PHOTOVOLTAIC SYS TECH – ELC 220

Grade Level: 9, 10, 11, 12
Prerequisite: ELC112 **Course Code: WC032X011**
Credit: 1 unit, Weight: +1

This course introduces the concepts, tools, techniques, and materials needed to understand systems that convert solar energy into electricity with photovoltaic (PV) technologies. Topics include, site analysis for system integration, building codes, and advances in photovoltaic technology. Upon completion, students should be able to demonstrate an understanding of the principles of photovoltaic technology and current applications.

GREEN BUILDING CONCEPTS – SST 140

Grade Level: 9, 10, 11, 12 **Course Code: WC042X011**
Credit: 1 unit, Weight: +1

This course is designed to introduce the student to sustainable building design and construction principles and practices. Topics include sustainable building rating systems and certifications, energy efficiency, indoor environmental quality, sustainable building materials and water use. Upon completion, students should be able to identify the principles and practices of sustainable building design and construction.

NATIONAL ELECTRICAL CODE - ELC 118

Grade Level: 9, 10, 11, 12 **Course Code: WC032X013**
Credit: 1 unit, Weight: +1

This course covers the use of the current National Electrical Code. Topics include the NEC history, wiring methods, overcurrent protection, materials, and other related topics. Upon completion, students should be able to effectively use the NEC.

DRONE TECHNOLOGY FUNDAMENTALS

Grade Level: 9, 10, 11, 12 **Course Code: ID102X0**
Credit: 1 unit

Explore the basic skills and knowledge needed to be a recreational drone pilot. Develop a sectional chart using legends for planned drone mission flights. Develop a basic program to conduct an autonomous flight using small drones in the classroom. Gain the knowledge, skills, and industry credentials for careers in drone technology.

DRONE TECHNOLOGY I

Grade Level: 9, 10, 11, 12 **Course Code: ID112X0**
Credit: 1 unit

Develop drone piloting knowledge and skills needed to obtain an FAA Remote Pilot certification. Participate in drone mission planning, basic flight operations, and drone aircraft maintenance. Execute communication needed as a flight crew team member. Gain the knowledge, skills, and industry credentials for careers in drone technology.

DRONE TECHNOLOGY II HONORS

Grade Level: 10, 11, 12 **Course Code: ID125X0**
Prerequisite: Drone Technology I **Credit: 1 unit, Weight: +.5**

Execute drone missions that include autonomous flight and mapping. Utilize mapping software to produce 2D and 3D images. Develop a business plan needed to start a drone piloting company. Gain the knowledge, skills, and enhanced industry credentials for careers in drone technology.

Academy of Health Sciences and Technology - Westover High School

PLTW PRINCIPLES OF BIOMEDICAL SCIENCES

Grade Level: 9, 10, 11 **Course Code: HP707X0**
Prerequisite: Enrollment in the Academy of Health Sciences and Technology **Credit: 1 unit, Weight: +1**

From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students explore the vast range of careers in biomedical sciences. They develop not just technical skills, but also in-demand, transportable skills that they need to thrive in life and career.

PLTW HUMAN BODY SYSTEMS

Grade Level: 10, 11 , 12 **Course Code: HP717X0**
Prerequisite: HP70 PLTW Principles of Biomedical Sciences **Credit: 1 unit, Weight: +1**

This course is designed for students to examine interactions of human body systems and apply knowledge to solve real-world medical cases.

PLTW MEDICAL INTERVENTIONS

Grade Level: 10, 11 , 12 **Course Code: HP727X0**
Prerequisite: HP70 PLTW Principles of Biomedical Sciences **Credit: 1 unit, Weight: +1**

This course allows students to investigate the interventions involved in the prevention, diagnosis, and treatment of disease. English language art and sciences are reinforced in this course.

PLTW BIOMEDICAL INNOVATIONS - HONORS

Grade Level: 10, 11, 12 **Course Code: HP735X0**
Prerequisite: PLTW Medical Interventions **Credit: 1 unit, Weight: +.5**

This course allows students to apply their knowledge and skills to answer questions or solve problems related to biomedical sciences. Students design innovative solutions to the health care challenges of the 21st century. Students work on independent projects and may work with a mentor in the healthcare industry. English language arts and science are reinforced in this course.

Academy of Global Studies - Terry Sanford High School

FOUNDATIONS OF KNOWLEDGE HONORS

Grade Level: 9, 10, 11 **Course Code: 48005X01**
Credit: 1 unit, Weight: +.5

This is a required interdisciplinary course for all new students in the School of Global Studies. The class includes basic information about time management, organization, study skills, and modes of learning. Throughout the year, students will increase their vocabulary through an intensive study of Latin and Greek prefixes, roots, and suffixes. They will be introduced to MLA style papers. Students will research the college application and admissions process. Throughout the course, emphasis is placed on reading and listening critically, writing, and speaking effectively, and using higher-level thinking skills. This course is designated as an honors-level class.

AP SEMINAR

Grade Level: 10 (elective) **Course Code: 0A017X0**
Credit: 1 unit, Weight: +1

AP Seminar is a yearlong, foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics. Students will understand unique perspectives by reading and analyzing articles, research studies, and various texts.

AP RESEARCH

Grade level: 11 (elective) **Course Code: 0A007X0**
Prerequisite: AP Seminar **Credit: 1 unit, Weight: +1**

AP Research is a yearlong course, which allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through the inquiry, they further the skills acquired in AP Seminar by learning research methodology.

AP COMPUTER SCIENCE PRINCIPLES

Grade level: 12 (elective) **Course Code: 0A027X0**
Credit: 1 unit, Weight: +1

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also allows students to use current technologies to create computational artifacts for both self-expression and problem-solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Academy of Information Technology - Pine Forest High School & Gray's Creek High School

COMPTIA IT FUNDAMENTALS

Grade Level: 9, 10, 11, 12 **Course Code: CI002X0**
Credit: 1 Unit

Set up and install common peripheral devices to a laptop or PC and secure a basic wireless network. Manage applications software while understanding the various components of an operating system. Interpret programming language categories and interpret the logic and purpose of programming. Gain the knowledge, skills, and industry credential for careers in the Computer Engineering pathway.

HARDWARE/SOFTWARE SUPPORT- CTS 120

Grade Level: 9, 10, 11, 12 **Course Code: WC212X04**
Credit: 1 Unit, Weight: +1

This FTCC course covers the basic hardware of a personal computer, including installation, operations, and interactions with software. Topics include component identification, memory system, peripheral installation and configuration, preventive maintenance, hardware diagnostics/repair, installation and optimization of system software, commercial programs, system configuration, and device drivers. Upon completion, students should be able to select appropriate computer equipment and software, upgrade/maintain existing equipment and software, and troubleshoot/repair non-functioning personal computers.

ADVANCED HARDWARE/SOFTWARE SUPPORT – CTS 220

Grade Level: 11, 12 **Course Code: WC222X03**
Prerequisite: Hardware/Software Support CTS 120 **Credit: 1 unit, Weight: +1**

This FTCC course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers.

PYTHON PROGRAMMING I

Grade Level: 9, 10, 11, 12 **Course Code: CP102X0**
Credit: 1 unit

Craft basic programs utilizing Python programming language. Execute functions, loops, operations, and data sets in various programs. Design programs with considerations for ethics, security, and how to implement the problem-solving process throughout the coding process. Gain the knowledge and skills for careers in the Python Programming pathway.

PYTHON PROGRAMMING II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CP115X0**
Prerequisite: Python Programming I **Credit: 1 unit, Weight: +.5**

Design, write, debug, and run programs encoded in the Python language. Formulate program using Internet of Things (IoT) programs. Develop stories utilizing data sets, visualizations, and Python programming. Gain the knowledge and skills for careers in the Python Programming pathway.

Integrated Systems Technology Academy of Engineering - Jack Britt High School

DRAFTING III- ENGINEERING-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: IV235X0**
Prerequisite: IV22 Drafting II- Engineering **Credit: 1 Unit, Weight: +.5**

Investigate education and professional requirements for engineering and manufacturing employment. Practice advanced techniques to create parametric 3D-solid modeled parts, assemblies, and working drawings using CAD (computer aided drafting/design). Engage in procedures of geometric dimensioning and tolerancing techniques used in engineering design and production. Gain the knowledge and skills for careers in science, technology, engineering, and mathematics.Note: Course enrollment limited to 25.

INTEGRATED SYSTEMS TECHNOLOGY I-HONORS

Grade Level: 9, 10, 11, 12 **Course Code: TL145X0**
Prerequisite: None **Credit: 1 unit, Weight: +.5**

Integrated Systems Technology I provides rigorous instruction in Industry 4.0 competencies and introduces fundamentals in fluid power-hydraulics, mechatronics, electrical systems-DC, machine processes, robotics, the creation of a product from inception, modeling, and the use of a formal design process. Communication, mathematics, and problem-solving skills are reinforced.

INTEGRATED SYSTEMS TECHNOLOGY II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: TL155X0**
Prerequisite: Integrated Systems Technology I **Credit: 1 unit, Weight: +.5**

Integrated Systems Technology II provides rigorous instruction in Industry 4.0 competencies and introduces fundamentals in fluid power-pneumatics, mechatronics, electrical systems-AC, programmable logic, robotics, sensors. Field research, technical writing, mechanics, and problem-solving skills are reinforced.

INTEGRATED SYSTEMS TECHNOLOGY III HONORS

Grade Level: 10, 11, 12 **Course Code: TL165X0**
Prerequisite: Integrated Systems Technology II **Credit: 1 unit, Weight: +.5**

Integrated Systems Technology III provides rigorous instruction in Industry 4.0 competencies and introduces fundamentals in programmable logic, robotics, and mass producing a manufactured product from inception, completing a capstone "real world" engineering project at a local manufacturing facility, and hosting a community event for the IST Academy of Engineering. All skills, both technical and soft, are practiced during this class's student-centered projects.

PRINCIPLES OF TECHNOLOGY I HONORS

Grade Level: 10, 11, 12 **Course Code: CL905X0**
Prerequisite: Math I **Credit: 1 unit, Weight: +.5**

This course provides a hands-on approach to understanding the fundamental principles and concepts of physics and associated mathematics. Emphasis is placed on understanding mechanical, electrical, fluid, and thermal systems as they relate to work, force, rate, resistance, energy, and power. Activities are structured to integrate science, mathematics, and language arts. This course enhances the skills of students interested in pursuing technical, engineering, or science related careers.

PRINCIPLES OF TECHNOLOGY II HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CL915X0**
Prerequisite: Principles of Technology I **Credit: 1 unit, Weight: +.5**

Principles of Technology II is a continuation of Principles of Technology I and is of primary interest to students who are considering a career in a technical or engineering type field. The basic concepts of mechanical, electrical, fluid, and thermal systems are covered. Mathematical concepts are reinforced in a practical setting and Principles of Technology II provides a basic understanding of the processes involved.

TECHNOLOGY ENGINEERING AND DESIGN HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CT105X0**
Credit: 1 unit, Weight: +.5

Explore how technology evolved throughout human history. Discover the universal systems model in products and processes society uses every day. Build a scale model of a structure by applying the Engineering Design Process. Gain the knowledge and skills for careers in the Technology Engineering, and Design pathway.

Academy of Natural Science - Cape Fear High School

ASTRONOMY HONORS

Grade Level: 11, 12 **Course Code: 35405X0**
Co-requisite: Physics or Chemistry **Credit: 1 unit, Weight: +.5**

This course explores the solar system and the wider cosmos. Students gain a sense of our place in the Universe and how that understanding has changed over time. Key topics covered include the history of astronomy, how objects move in space, and the fundamental laws of motion from figures such as Kepler and Newton. Students will learn about everything from coordinate systems and telescopes to the formation of galaxies and stars. The class emphasizes critical thinking and active learning through hands-on labs, group activities, simulations, and technology. A core part of the course involves using online tools and the night sky itself to make weekly observations of the moon, stars, and planets. By the end of the course, students will have a strong, personal understanding of the cosmos and the scientific methods used to study it.

MARINE SCIENCE HONORS

Grade Level: 10, 11, 12 **Course Code: 35355X0**
Prerequisite: Biology **Credit: 1 unit, Weight: +.5**
Co-requisite: Chemistry

This course introduces students to the fundamental principles of marine science, encompassing biology, chemistry, and ecology within the context of the global ocean and coastal environments. Students will survey the diverse organisms that inhabit marine ecosystems and examine the entry and cycling of essential elements and compounds within marine waters. The curriculum also explores the geological history of the global ocean basins and the formation of coastal features like beaches and inlets. Furthermore, the course critically analyzes the factors related to human development and our interactions with these fragile coastal environments. Learning is facilitated through active engagement, including hands-on laboratory activities, educational field trips, and immersive explorations designed to provide a comprehensive and applied understanding of the marine world.

RESEARCH IN SCIENCE HONORS

Grade Level: 11, 12 **Course Code:**
Prerequisite: Biology, Chemistry, Environmental Science or Earth/Environmental **Credit: 1 unit, Weight: +.5**

This course offers a unique opportunity for students to pursue team-based, in-depth research within the fields of biology, chemistry, physics, and Earth science. It is designed to equip students with practical scientific skills, including resource utilization, scientific writing and engineering practices, proper experimental design, and essential laboratory safety protocols. Through this program, students study for, build, and practice events that test their applied knowledge and technical skills, preparing them for a wide range of future careers in science and technology.

ZOOLOGY HONORS

Grade Level: 11, 12 **Course Code: 33435X0**
Prerequisite: Biology **Credit: 1 unit, Weight: +.5**
Co-requisite: Chemistry

This course is designed to give the student a more challenging and in-depth experience of invertebrate and vertebrate zoology. Students will be expected to: design and carry out several investigations of biological concepts, distinguish between and identify various animals by their calls and physical characteristics. Students will also be expected to conduct field investigative studies and conduct comparative gross anatomy labs, which features selected representatives from various animal phyla.

GEOBOTANY

Grade Level: 10, 11, 12 **Course Code:**
Prerequisite: Biology **Credit: 1 unit, Weight: +.5**
Credit: 1

This interdisciplinary high school geobotany course explores the intricate connections between the Earth's physical environment and plant life. Students will discover how geological factors such as rocks, soils, and landforms shape plant communities, and how plants, in turn, influence Earth's systems. The curriculum integrates core concepts from both Earth science and biology, covering geology basics like rock and mineral identification, soil science fundamentals, and plant science topics including anatomy, physiology, and adaptations. Through a combination of hands-on lab experiments, map reading exercises, and field-based activities like local field trips and data collection, students will develop practical skills in scientific observation, data interpretation, and plant identification, all while exploring the complex, interconnected nature of our planet's ecosystems.

STEAM Academy - E.E. Smith High School

ANATOMY & PHYSIOLOGY

Grade Level: 11, 12 **Course Code: 33302X0**
Credit: 1 unit

Anatomy & Physiology is designed for students interested in pursuing a career in the health services. Emphasis will be placed on study of the function and structure of the human body. Laboratory investigations will be used to study important concepts.

AP BIOLOGY

Grade Level: 11, 12 **Course Code: 3A007X0**
Credit: 1 unit, Weight: +1

Advanced Placement Biology is equivalent to a two-semester college biology course that includes eight major themes: science as a process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature, and science, technology, and society. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP CHEMISTRY

Grade Level: 11, 12 **Course Code: 3A017X0**
Credit: 1 unit, Weight: +1

Advanced Placement Chemistry is equivalent to a two-semester college chemistry course. Topics include atomic and molecular structure, descriptive inorganic and organic chemistry, stoichiometry, thermodynamics, chemical kinetics, chemical equilibrium, electrochemistry, the chemistry of aqueous solutions, and basic techniques of qualitative analysis. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP COMPUTER SCIENCE

Grade Level: 10, 11, 12 **Course Code: 2A027X0**
Prerequisite: AP Computer Science Principles **Credit: 1 unit, Weight: +1**

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 strategies appropriate for this course include apprenticeship, cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, services 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.

AP COMPUTER SCIENCE PRINCIPLES

Grade Level: 9, 10, 11, 12 **Course Code: 0A027X0**
Credit: 1 unit, Weight: +1

Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem-solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

AP ENVIRONMENTAL SCIENCE

Grade Level: 11, 12 **Course Code: 3A027X0**
Credit: 1 unit, Weight: +1

Advanced Placement Environmental Science is equivalent to a one semester college course that includes the following major topics: the origin and structure of the Universe, the interdependence of Earth Systems, human population dynamics, renewable and nonrenewable resources, air, water and soil quality, global changes and their consequences, and environmental decision making. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP PHYSICS 1: ALGEBRA BASED

Grade Level: 11, 12 **Course Code: 3A057X0**
Credit: 1 unit , Weight: +1

Advanced Placement Physics 1: Algebra Based 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; mechanical waves and sound. It will also introduce electric circuits. At the completion of this course, students will be required to take the Advanced Placement Exam.

AP SEMINAR

Grade Level: 10 (elective) **Course Code: 0A017X0**
Credit: 1 unit, Weight: +1

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

BIOTECHNOLOGY HONORS

Grade Level: 11, 12 **Course Code: HL025X0**
Prerequisite: Biology and Chemistry **Credit: 1 unit, Weight: +.5**

This course introduces students to the tools and techniques of biotechnology. Information and investigations covering the fundamentals of DNA based technologies are the main focus. Everyday application, societal issues, and careers in biotechnology are also integrated into this course.

EXPLORATION IN ENGINEERING

Grade Level: 9, 10, 11, 12 **Course Code: 96105X0EE**
Credit: 1 unit

Explorations in Engineering is a sequence of lessons designed to introduce motivated high school students to the design process of modern engineering through the exploration and development of small-scale systems. Participants develop techniques in the measurement and collection of experimental data, the use of computational models to process scientific data and aid design, and the construction of engineered systems.

EXPLORATION IN STEAM

Grade Level: 9, 10, 11, 12 **Course Code: 96105X0EE**
Credit: 1 unit

STEAM stands for Science, Technology, Engineering, the Arts, and Mathematics. This course is designed as learner-centric and geared towards project based learning. Students will explore topics and careers that will create students who will be future Scientists, Engineers, Artists or Mathematicians. Throughout the course students will demonstrate the following attributes: Creative Researcher, Developer or Entrepreneur, Multidisciplinary Thinker. While increasing their communication skills, time-management skills, and teamwork skills.

INNOVATION IN SCIENCE

Grade Level: 9, 10, 11, 12 **Course Code: 30205X01**
Credit: 1 unit

The pace of innovation never slows, and the impact of these scientific breakthroughs will redefine the way we live, work, and connect with the world around us. From space exploration at the largest scale to diagnostics at the single-cell level, these breakthroughs will inspire innovators to push the boundaries of what is possible. Innovation in STEAM is a curriculum specifically designed to enhance curiosity and exposure to scientific research and breakthroughs happening throughout the world. This course will improve critical thinking skills and provide a distraction from the often "non-fun" mandatory science with the express intent of developing character, creativity, curiosity, collaboration, and communication.

PHOTOGRAPHY IN SCIENCE

Grade Level: 10, 11, 12 **Course Code: 30812X0**
Prerequisite: Earth Science or Biology **Credit: 1 unit**

In this course, students will explore how scientific images identify and solve problems and help to advance our understanding of biology and biomedical science, medicine, forensics, chemistry, and engineering.

PLTW - CYBER SECURITY HONORS

Grade Level: 9, 10, 11, 12 **Course Code: CI355X0**
Credit: 1 unit, Weight: +.5

Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in PLTW Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyberinfrastructure that moves and processes information safely. Strong communication skills are necessary, and English language arts, mathematics, and science standards are reinforced.

RESEARCH IN SCIENCE HONORS: RESEARCH, DISCOVERY, AND DESIGN

Grade Level: 11, 12 **Course Code:**
Prerequisite: Biology, Chemistry, Environmental Science or Earth/Environmental **Credit: 1 unit, Weight: +.5**

This course is designed to allow students to pursue individual research problems in Biology, Chemistry, Physics, or Earth Science. Students learn to use resources, gain experience in scientific writing, receive supervised training in techniques commonly used in research, and receive instruction in laboratory safety and proper experimental design. Each student designs and carries out a research project under the supervision of the instructor.

TECHNOLOGY, ENGINEERING, AND DESIGN

Grade Level: 9, 10, 11, 12 **Course Code: CT102X0**
Credit: 1 unit

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

ZOOLOGY HONORS

Grade Level: 11, 12 **Course Code: 33435X0**
Prerequisite: Biology **Credit: 1 unit, Weight: +.5**
Co-requisite: Chemistry

This course is designed to give the student a more challenging and in-depth experience of Invertebrate and Vertebrate Zoology. Students will be expected to: design and carry out several investigations of biological concepts, distinguish between and identify various animals by their calls and physical characteristics. Students will also be expected to conduct field investigative studies and conduct comparative gross anatomy labs, which features selected representatives from various animal phyla.

International Baccalaureate Academy- South View High School

Available to the International Baccalaureate Academy students at South View High School.

IB Arts Education

IB VISUAL ART SL

Grade Level: 11, 12 **Course Code: 5I088X0**
Prerequisite: Visual Arts Beginners, Visual Arts Intermediate
Credit: 2 units, Weight: +1

The IB Diploma Programme visual arts course encourages students to challenge their creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical problem-solving and divergent thinking skills while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and contexts, students are expected to engage in, experiment with, and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

IB Core

IB THEORY OF KNOWLEDGE (TOK)

Grade Level: 11, 12 **Course Code: 0I018X0**
Prerequisite: Enrollment in the IB Academy **Credit: 1, Weight: +1**

The IB Theory of Knowledge (TOK) course plays a unique role in the DP by allowing students to reflect on the nature, scope, and limitations of knowledge and the process of knowing. In this way, the main focus of TOK is not on students acquiring new knowledge but on helping students reflect on and put into perspective what they already know. TOK underpins and unites the subjects students encounter in the rest of their DP studies. It engages students in explicit reflection on how knowledge is arrived at in different disciplines and areas of knowledge, what these areas have in common, and their differences. This course is required for all IB students.

IB EXTENDED ESSAY

Grade Level: 11, 12
Prerequisite: Enrollment in the IB Academy

The Extended Essay is a compulsory, externally assessed piece of independent research into a topic chosen by the student and presented as a formal piece of academic writing. The extended essay is intended to promote high-level research and writing skills, intellectual discovery, and creativity while engaging students in personal research. This leads to a significant piece of formally presented, structured writing of up to 4,000 words in which ideas and findings are communicated in a reasoned, coherent, and appropriate manner. Students are guided through research and writing by an assigned supervisor (a school teacher). All students undertake three mandatory reflection sessions with their supervisor, including a short interview or viva voce, after completing the extended essay

CREATIVITY, ACTIVITY, SERVICE (CAS)

Grade Level: 11, 12 **Course Code:99359X0YCA**
Prerequisite: Enrollment in the IB Academy

Creativity, Activity, Service (CAS) is at the heart of the DP. With its holistic approach, CAS is designed to strengthen and extend students' personal and interpersonal skills. CAS is organized around the three strands of creativity, activity, and service. A CAS experience is a specific event in which the student engages with one or more of the three CAS strands. It can be a single event or an extended series of events. A CAS project is a collaborative series of sequential CAS experiences lasting at least one month. A student's CAS program typically combines planned/unplanned singular and ongoing experiences. All are valuable and may lead to personal development. However, a meaningful CAS program must be more than just a series of unplanned/singular experiences. Students must be involved in at least one CAS project during the program. This component is a requirement for all IB Diploma students.

IB PERSONAL AND PROFESSIONAL SKILLS

Grade Level: 11, 12 **Course Code: 0I008X0**
Prerequisite: Enrollment in the IB Academy **Credit, Weight: +1**

The personal and professional skills (PPS) course is designed to help students develop a range of skills that can be applied across contexts to support their personal and professional growth now and in the future. The course helps learners to develop not only as individuals but also as citizens within local and global communities. It prepares students for future higher education pathways, further training, or employment. The course supports student learning in the CP's other core components and elements by developing intrapersonal and interpersonal skills, critical and ethical thinking, and intercultural understanding. It prepares students for future pathways toward higher education, further training, or employment, as well as for their personal lives. The PPS is a compulsory component of the CP. It is a timetabled course of at least 100 hours, completed over the two years of the CP.

IB English

IB LANGUAGE A: LITERATURE SL/HL

Grade Level: 11, 12 **Course Code: 1I038X0**
Prerequisites: English I H, English II H **Credit: 2 units, Weight: +1**

Language A: Literature explores the various manifestations of literature as a compelling mode of writing across cultures and throughout history. The course aims at developing an understanding of factors that contribute to the production and reception of literature—the creativity of writers and readers, the nature of their interaction with their respective contexts and with literary tradition, how language can give rise to meaning and effect, and the performative and transformative potential of literary creation and response. Through close analysis of a range of literary texts in many forms and from different times and places, students will consider their own interpretations and the critical perspectives of others to explore how cultural belief systems shape such positions and negotiate meanings for texts.

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IB Individuals and Societies (Social Studies)

IB HISTORY SL/HL

Grade: 11, 12 **Course Code: 4I178X0**
Prerequisites: Economics and Personal Finance Honors, Founding Principles of US & NC: Civic Literacy Honors
Credit: 2 units, Weight: +1

The DP history course is a world history course that takes a comparative, multi-perspective approach. It involves the study of various types of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The course encourages students to think historically, develop historical skills, and gain factual knowledge. It puts a premium on developing critical thinking skills and understanding multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources.

IB GLOBAL POLITICS SL

Grade: 11, 12 **Course Code: 4I118X0**
Recommended: Geography H **Credit: 1 unit, Weight: +1**

The 21st century is characterized by rapid change and increasing interconnectedness, impacting individuals and societies in unprecedented ways and creating complex global political challenges. Global politics is an exciting, dynamic subject that draws on a range of social sciences and humanities disciplines, reflecting the complex nature of many contemporary political issues. Studying global politics enables students to engage critically with new perspectives. It engages with politics to understand the challenges of a changing world and become aware of their role as active global citizens. The DP global politics course explores fundamental political concepts such as power, equality, sustainability, and peace in various contexts. It allows students to understand the local, national, international, and global dimensions of political activity and processes and explore political issues affecting their lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. It also invites comparisons between such examples and case studies to ensure a broader transnational perspective.

IB WORLD RELIGIONS SL

Grade: 11, 12 **Course Code: 4I128X0**
Prerequisite: Geography H **Credit: 1 unit, Weight: +1**

The IB DP world religions course is a systematic, analytical, yet empathetic study of the beliefs and practices of the world's nine major religions. The course seeks to promote awareness of religious issues in the contemporary world by studying diverse religions. Students study religions to acquire a sense of what it is like to belong to a particular religion and how that influences how its followers understand the world, act in it, and relate to and respond to others.

IB INFORMATION TECHNOLOGY IN A GLOBAL SOCIETY (ITGS)

Grades: 11–12 **Course Code: B1058X0**
Prerequisites: Cybersecurity **Credit: 1, Weight +1**

As one of the individuals & societies subjects in the IB Diploma Programme, Information Technology in a Global Society (ITGS) focuses on the impact of information and communication technologies on individuals, communities, and organizations. Students investigate real-world case studies to understand how technology shapes—and is shaped by—social, political, economic, and ethical factors. Through analytical frameworks and authentic global scenarios, DP ITGS engages students in evaluating technological developments and their consequences. By examining knowledge claims in context, students cultivate digital literacy, problem-solving skills, and a deeper awareness of how technology influences daily life, global systems, and future innovation.

IB BUSINESS MANAGEMENT

Grades: 11–12 **Course Code: B1508X0**
Prerequisites: Business I and II **Credit: 1, Weight +1**

As one of the individuals & societies subjects in the IB Diploma Programme, Business Management explores the dynamics of business organizations and the environments in which they operate. The course emphasizes strategic decision-making, leadership, financial analysis, marketing, operations, and human resource management through real-world business contexts. Students investigate how businesses balance ethical considerations, sustainability, and stakeholder interests as they navigate global challenges. DP Business Management encourages students to apply analytical tools, evaluate business strategies, and explore contemporary issues. Through this inquiry, they develop transferable skills that support their academic growth, career readiness, and understanding of how businesses drive economic and social value.

IB Mathematics

IB MATHEMATICS: APPLICATIONS AND INTERPRETATIONS SL

Grade Level: 11, 12 **Course Code: 2I088X0**
Prerequisites: Math I H, Math II H, Math III H (AP Precalculus recommended) **Credit: 2 units, Weight: +1**

The IB DP Mathematics: Applications and Interpretation course recognizes the increasing role of mathematics and technology across a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics often used as applications or in mathematical modeling. To give this understanding a firm base, this course includes topics traditionally part of a pre-university mathematics course, such as calculus and statistics. Students are encouraged to solve real-world problems, construct and communicate them mathematically, and interpret the conclusions or generalizations. Students should expect to develop vital technology skills and be intellectually equipped to appreciate the links between theoretical and practical mathematical concepts. All external assessments involve technology. Students are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments.

IB Science

IB PHYSICS HL

Grades: 11, 12 **Course Code: 3I058X0**
Prerequisites: Physics H/AP **Credit: 2, Weight: +1**

Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to understand observations, which can evolve into theories that attempt to explain them. By studying physics, students should become aware of how scientists work and communicate with each other. While the scientific method may take on various forms, emphasizing a practical approach through experimental work characterizes the subject. Teachers provide students opportunities to develop manipulative skills, design investigations, collect data, analyze results, and evaluate and communicate their findings.

IB BIOLOGY

Grades: 11–12 **Course Code: 31008X0**
Prerequisites: Biology Honors **Credit: 1, Weight +1**

As one of the core science subjects in the IB Diploma Programme, Biology examines living organisms and the systems that support life. Students explore biological concepts across scales—from molecular structures and cellular processes to ecosystems and global interactions. Through inquiry-based learning, laboratory investigation, and engagement with current scientific research, DP Biology encourages students to apply quantitative skills, evaluate biological knowledge claims, and consider the ethical implications of scientific advancement. By connecting content to real-world examples, students develop scientific literacy, analytical thinking, and an appreciation for the complexity and diversity of life.

IB SPORTS, EXERCISE, AND HEALTH SCIENCE

Grades: 11, 12 **Course Code: 31088X0**
Prerequisites: Anatomy and Physiology Honors **Credit: 1**

As one of the science subjects in the IB Diploma Programme, sports, exercise, and health science (SEHS) primarily concerns the scientific study of human physiology, biomechanics, and psychology. Scientists in these fields attempt to make sense of human physical and mental health and performance through various approaches and techniques, controlled experimentation, and collaboration with other researchers. DP SEHS enables students to engage constructively with topical scientific issues. Students examine scientific knowledge claims in a real-world context, fostering interest and curiosity. By exploring the subject, they develop understandings, skills, and techniques that can be applied across their studies and beyond.

IB World Languages

IB LANGUAGE B AB INITIO SPANISH/ MANDARIN

Grade Level: 11, 12 **Course Code: 1I212X0 (Spanish), 1I202X0 (Mandarin)**
Prerequisites: Spanish/Mandarin I, Spanish/Mandarin II

Credit: 2 units, Weight: +1

The IB DP language ab initio course is designed to provide students with the necessary skills and intercultural understanding to communicate successfully in an environment where the language studied is spoken. This process encourages the learner to go beyond the confines of the classroom, expanding an awareness of the world and fostering respect for cultural diversity. The language ab initio course develops students' linguistic abilities by developing receptive, productive, and interactive skills. It provides them with opportunities to respond and interact appropriately in a defined range of everyday situations.

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HIGH SCHOOL










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