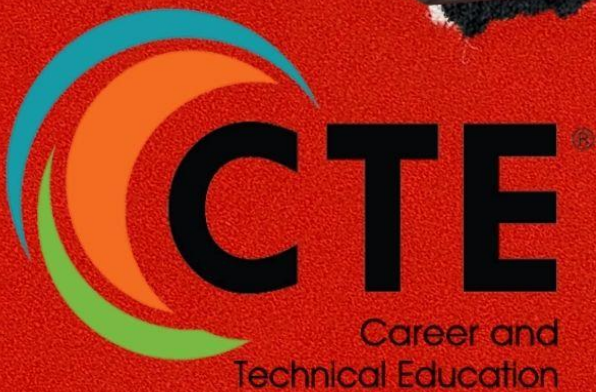


Hoke County

CTE COURSE DESCRIPTIONS



2023-2024

Director's Message



Learning that works
for North Carolina

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Hoke County Schools
System does not
discriminate against race,
color, religion, sex, marital
status, pregnancy,
parenthood, or
handicapping conditions in
its education activities or
employment practices.



The mission of Hoke County Career and Technical Education is to empower all students to be successful citizens, workers and leaders in a global economy. Our goal is to provide an environment that promotes an attitude and culture of College and Career Readiness through our Career and Technical Education classes.

Our Career and Technical Education (CTE) program aims to prepare students for employment opportunities, advanced education and productive lives. CTE promotes best practices that enhance teachers' efforts to improve student achievement and encourage responsible career choices. We want to meet students' needs, cultivate their abilities and help them realize their aspirations. It is the vision of CTE department that every student completes a pathway in Career Technical Education and receive no less than two industry related certifications during this process.

At the high school, introductory courses are available at grades 9 and 10, with advanced and specialized instruction in 11 and 12. We have Agriculture, Business, Finance, & Marketing, Career Development, Computer Science & Information Technology, Family and Consumer Science, Health Science, and Trade and Industrial classes.

At our middle schools, students are offered career exploratory courses.

Dana Chavis, Ed.D.
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How is CTE different from Vocational Education? In some ways, it's not that different. In many high schools, you can still find the same voc-ed classes that existed half a century ago. They prepare students for jobs that don't typically require college degrees, such as child care, welding, cosmetology, or plumbing. But in important ways, CTE is very different than your grandfather's voc-ed. Many programs now focus on areas typically associated with associate or bachelor's degrees, such as engineering or business. Because career-tech-ed classes of all kinds are increasingly seen as roads to additional study after high school, they are meant to be more academically rigorous than those of a previous generation.

What is the difference in a career cluster and career pathway? Career Clusters are groupings of occupations. Career Pathways are sub-groupings of occupational areas with a Career Cluster. Occupations are grouped into pathways based on the set of common knowledge and skills required for career success.

What is a concentrator course and why are they important? A Concentrator Course is defined as a second or third-level course that builds upon skills acquired in a prerequisite course. Students are strongly encouraged to become a concentrator in multiple pathways due to the crossover of skills in a variety of career areas.

What is the NC Career and College Promise? The NC Career and College Promise (CCP) offers North Carolina high school-aged students a clear, focused, and affordable path to future success. Qualified North Carolina high school-aged students can begin their two- or four-year college work, tuition free, while they are in high school, allowing them to get a head start on their workplace and collegiate preparation. Hoke County CTE offers a variety of CCP opportunities for students and is completed in partnership with Sandhills Community College. Hoke County Students can earn tuition-free credits toward a certificate, job credential, or technical diploma at a North Carolina Community College.

Additional information regarding Career & College Promise is available here:

<https://www.nccommunitycolleges.edu/academic-programs/career-college-promise>

Should students participate in work-based learning opportunities? Work-based learning such as internships and apprenticeships are excellent opportunities for students to get real-world experiences in particular jobs or career fields. All students are encouraged to participate in multiple internships. These opportunities are offered during the school year.



Career and Technical Student Organizations



All students in career and technical programs have an opportunity to develop and extend their learning through participation in active career and technical student organizations (CTSOs). The program of work for each organization should be based on instructional competencies and be an integral part of the program.

Any student enrolled in a career and technical course is eligible for membership in the career and technical student organization associated with that program.

CTSOs develop character, citizenship, technical, leadership, and teamwork skills essential for students who are preparing for the workforce and further education. They enhance students' civic awareness and provide opportunities for developing social competencies and a wholesome attitude about living and working.

CTSOs provide a unique instructional method for attaining the competency goals and objectives identified in each course. Their activities are considered a part of the instructional day when they are directly related to the competencies and objectives in the course blueprints.

DECA: Marketing

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

TSA: Technology

The Technology Student Association is a national student organization created to develop skills in science, technology, engineering, and mathematics as well as business education. TSA aims to develop leadership, academic, and business management skills in the workplace among students and leaders within the community.

FCCLA: Family Consumer Sciences

Family, Career and Community Leaders of America is a nonprofit national career and technical student organization for young men and women in Family and Consumer Sciences education. Everyone is part of a family, and FCCLA is the only national Career and Technical Student Organization with the family as its central focus.

FBLA: Business

FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.

HOSA: Health Occupations

HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health occupations instructors and students to join and be actively involved in the HSE-HOSA Partnership.

FFA: Agricultural Education

The National FFA Organization (formerly known as the Future Farmers of America) envisions a future in which all agricultural education students will discover their passions and build on that insight to chart a course for their education, careers and personal futures. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success.

Skills USA: Trade and Industrial

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. SkillsUSA's mission is to empower its members to become world-class workers, leaders and responsible American citizens.

SkillsUSA is an applied method of instruction for preparing America's high-performance workers in public career and technical programs. It provides quality education experiences for students in leadership, teamwork, citizenship and character development. It builds and reinforces self-confidence, work attitudes and communications skills. It emphasizes total quality at work—high ethical standards, superior work skills, life-long education, and pride in the dignity of work. SkillsUSA also promotes understanding of the free-enterprise system and involvement in community service.

One hundred thirty (130) trade, technical and skilled service occupational titles are represented in the curricula of SkillsUSA member students, covering the construction, manufacturing, transportation, health sciences, information technology, communications, personal services, hospitality, public safety and engineering technology industries.



National Technical Honor Society (NTHS)

The National Technical Honor Society is an educational non-profit that exists to honor, recognize, and empower students and teachers in Career & Technical Education. As the honor society for Career & Technical Education, NTHS serves over 100,000 active members annually in both secondary and postsecondary chapters across the country.

Since its founding in 1984, nearly 1 million students have become NTHS alumni. NTHS honors the achievements of top CTE students, provides close to \$300,000 in scholarships annually, and strives to help connect education and industry to build a highly skilled workforce.

NTHS helps members to:

- Seek postsecondary education by awarding over \$300,000 in scholarship annually.
- Position themselves ahead of competition in today's highly competitive workforce.
- Earn recognition for superior achievement in career and technical fields.
- Build career portfolios with professional letters of recommendation.
- Connect to global career and technical education networks.
- Discover opportunities with leading business and industry.
- Serve in leadership roles in communities and industries.

And most importantly . . .

NTHS helps schools recognize students for their achievement in career and technical education. Members receive a membership certificate in a professional presentation portfolio. In addition, members receive an official NTHS diploma seal, graduation tassel, lapel pin, and window decal to show their affiliation with NTHS.



National **Technical**
Honor Society

Career and Technical Education (CTE)

Career and Technical Education fulfills an increasingly significant role in school reform efforts. Students who concentrate in a CTE area, earning at least four related technical credits and meeting other criteria, are better prepared for further education and advanced training required to be successful in 21st century careers. Career and Technical Educators at the state and local levels partner with business and industry and with community colleges and other postsecondary institutions to ensure Career and Technical Education serves the needs of individual students and of the state.

WORK BASED LEARNING

CTE INTERNSHIP (Minimum 120 Hours)

1 credit

Course Numbers: WB03, WB07, WB11, WB15, WB19, WB23, WB27, WB31, WB35, WB39, WB43, WB47, WB51, WB55, WB59, WB63

Recommended Maximum Enrollment: none

Prerequisite: Must have your own transportation

Aligned Career Technical Student Organization: An association for Marketing Education students (DECA), Future Business Leaders of America (FBLA), National FFA

Organization (FFA), Family, Career and Community Leaders of America (FCCLA), Future Health Professionals (HOSA), SkillsUSA, and Technology Student Association (TSA)

Aligned Industry Credential: None

Description: This work-based learning experience where a student participates in the daily operations of a work site under the direct supervision of a business mentor. Student must pass the pathway concentrator course and internship course for the internship to count as a career pathway major course.

**CAREER TECHNICAL
EDUCATION IS
LEARNING THAT
WORKS FOR AMERICA.**

#ISupportCTE



AGRICULTURAL EDUCATION

Agricultural education provides systematic instruction to students in the areas of agriculture, food and natural resources. Through these subjects, agricultural educators teach students a wide variety of skills, including science, math, communications, leadership, management and technology. Agricultural education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems.

Through agricultural education, students are provided opportunities for leadership development, personal growth and career success. Agricultural education instruction is delivered through three major components.

ANIMAL SCIENCE I-Pilot

Proof of Learning: Performance Based Learning Measurement (PBM)

1 Credit

Course Number: AA21

Recommended Maximum Enrollment: 15

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: National FFA Organization

Aligned Industry Credential: Youth for the Quality Care of Animals (YQCA) Certification

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

ANIMAL SCIENCE II-COMPANION ANIMAL-Pilot

Proof of Learning: Performance Based Learning Measurement (PBM)

1 Credit

Course Number: AA23

Recommended Maximum Enrollment: 15

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: National FFA Organization

Aligned Industry Credential: NC Beef Quality Assurance

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



Veterinary Assistant-HONORS

Proof of Learning: Credential

1 Credit

Course Number: AA41

Recommended Maximum Enrollment: 15

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: AA21-Animal Science I with Grade of 85% or higher and AA23-Animal Science II-Companion Animal with Grade of 85% or higher.

Aligned Career Technical Student

Organization: National FFA Organization (FFA)

Aligned Industry Credential: Certified Veterinary Assistant, Elanco Veterinary Medical Applications Certification

Description: This course provides instruction for students desiring a career in animal medicine. Topics include proper veterinary practice management and client relations, pharmacy and laboratory procedures, advanced animal care and surgical/radiological procedures. English language arts, mathematics, and science are reinforced in this class.

Horticulture I- Pilot

Proof of Learning: PBM

1 Credit

Course Number: AP41

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Aligned Industry Credential: None

Prerequisite: None

Aligned Career Technical Student

Organization: National FFA Organization (FFA)

Description: This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical

disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced.

HORTICULTURE II-Pilot

Proof of Learning: Performance Based Measurement (PBM)

1 Credit Inherently

Course Number: AP42

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: AP41 (6841) Horticulture I

Aligned Career Technical Student

Organization: National FFA Organization (FFA)

Aligned industry Credential: None

Prerequisite: None

Aligned Career Technical Student

Organization: National FFA Organization (FFA)

Description: This course covers instruction that expands scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf grass management, and personal development. English language arts, mathematics, and science are reinforced. *Course enrollment must be limited to the recommended maximum to ensure safety in all classroom/laboratory settings.

BUSINESS, FINANCE, AND MARKETING EDUCATION

Business, Finance, and Marketing (BFM) provides students with meaningful instruction for and about business. Instruction in Business, Finance and Marketing Education encompasses business skills and techniques, an understanding of basic economics, an understanding of making socio economic decisions and producing goods and services to consumption, and business attitudes essential to become a globally engaged and productive citizen. BFM plays a key role in preparing a competent, business-literate, and skilled workforce. The associated curricula have real-life relevance that empowers and helps young adults to compete in a global marketplace while managing their own financial affairs and making intelligent consumer and business-related choices.

ENTREPRENEURSHIP I

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: ME11

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: An association for Marketing Education students (DECA); Future Business Leaders of America (FBLA)

Aligned Industry Credential: Venture Entrepreneurial Expedition

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

ENTREPRENEURSHIP II-Pilot-HONORS

Proof of Learning: Credential

1 Credit - **Inherently Honors**

Course Number: ME12

Recommended Maximum Enrollment:25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: ME11 Entrepreneurship I

Aligned Career Technical Student

Organization: An association for Marketing Education students (DECA); Future Business Leaders of America (FBLA)

Aligned Industry Credential: Entrepreneurship & Small Business Certification

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



PROJECT MANAGEMENT I

Proof of Learning: NCTEST

1 Credit

Course Number: CS11

Recommended Maximum Enrollment: 30

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: An association for Marketing Education students (DECA); Family, Career and Community Leaders of America (FCCLA); Future Business Leaders of America (FBLA); HOSA-Future Health Professionals; North Carolina FFA Association; SkillsUSA; Technology Student Organization (TSA); The National FFA Organization

Aligned Industry Credential: None

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

PROJECT MANAGEMENT II-HONORS

Proof of Learning: Credential

1 Credit

Course Number: CS12

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: CS11 Project Management I

Aligned Career Technical Student

Organization: An association for Marketing Education students (DECA); Family, Career and Community Leaders of America (FCCLA); Future Business Leaders of America (FBLA); HOSA-Future Health Professionals; North Carolina FFA Association; SkillsUSA; Technology Student Organization (TSA); The National FFA Organization

Aligned Industry Credential: PMI Project Management Ready Certification

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



CAREER DEVELOPMENT

Career Development curriculum provides the foundation to prepare students for careers and education in the 21st century; it is designed to introduce students to the opportunity to understand and make connections between their interests, attitudes, values, personality, learning styles, skills, and career choices. Students understand the lifelong, sequential process of determining self and career identity.

High school career development curriculum includes competencies in self-assessment, matching interests to career choices, exploring the world of work, career research, education and career awareness, and career exploration; evaluation of career information and creation of a career plan. NC Career Development curriculum is the foundation for NC Career and Technical Education and Pathways.

CAREER MANAGEMENT

Proof of Learning: NCTEST

Course Number: CC45

Recommended Maximum Enrollment: 30

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: All clubs

Aligned Industry Credential: Conover
Credential Workplace Readiness

Description: This course prepares students to locate, secure, keep, and change careers. Emphasis is placed on self-assessment of characteristics, interests, and values; education and career exploration; evaluation of career information and creation of a career plan. Based on the National Career Development Guidelines, skills learned in this course include, but are not limited to communications, interpersonal skills, problem solving, personal management and teamwork. English language arts are reinforced. Student participation in Career and Technical Student Organization (CTSO) competitive events, to apply essential standards and workplace readiness skills through authentic experiences community service, and leadership activities provide the opportunity



COMPUTER SCIENCE AND INFORMATION TECHNOLOGY EDUCATION

Computer Science and Information Technology (CSIT) is focused on building linkages in information technology occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services. Students will demonstrate knowledge of and proficiency in data representation and abstraction; effectively design, develop, and test algorithms; demonstrate knowledge of digital devices, systems and networks; and demonstrate an understanding of the role computer science plays and its impact in the modern world. The program works in coordination with the Computer Science Division.

COMPUTER SCIENCE I

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: BP41

Recommended Maximum Enrollment: 30

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: Future Business Leaders of America (FBLA)

Aligned Industry Credential: None

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



COMPUTER SCIENCE II

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: BP42

Recommended Maximum Enrollment: 30

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: BP41 Computer Science Principles I

Aligned Career Technical Student

Organization: Future Business Leaders of America (FBLA)

Aligned Industry Credential: None

Description: Computer Science II continues developing the concepts introduced in the prerequisite course, Computer Science I, introducing students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. Strong communication skills are necessary and English language arts, mathematics, and computer science standards are reinforced.



DIGITAL DESIGN AND ANIMATION I

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: TS24

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: None

Aligned Industry Credential: None

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

DIGITAL DESIGN AND ANIMATION II

Proof of Learning: Credential

1 Credit

Course Number: TS25

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: TS24 Digital Design and Animation I

Aligned Career Technical Student

Organization: None

Aligned Industry Credential: 3DS Max

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

Network Security I

Proof of Learning: Performance Based Learning (PBM)

1 Credit

Course Number: BN31

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: Future Business Leaders of America (FBLA)

Aligned Industry Credential: None

Description: This course is designed to provide students with a solid foundation in the Network Security. The experience includes students focusing on threats, attacks and vulnerabilities, technologies and tools, and architecture and design. English language arts, mathematics, science, and social studies are reinforced.

Network Security II-HONORS

Proof of Learning: Credential

1 Credit

Course Number: BN32

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: Network Security I

Aligned Career Technical Student

Organization: Future Business Leaders of America (FBLA)

Aligned Industry Credential: CompTIA Security+

Description: This course is designed to prepare students with the skills and knowledge to install, configure, and troubleshoot computer networks. The experience includes students focusing on the identifying and accessing management, risk management, and cryptography and PKI. English language arts, mathematics, science, and social studies are reinforced.

ADOBE VISUAL DESIGN I

Proof of Learning: Credential

1 Credit

Course Number: II41

Recommended Maximum Enrollment: 20

Prerequisite: None

Aligned Career Technical Student

Organization: Future Business Leaders of America (FBLA); SkillsUSA, (Must pass both)

Aligned Industry Credential: Adobe Certified Associate Photoshop and

Adobe Certified Associate Illustrator

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

ADOBE VISUAL DESIGN II

Proof of Learning: Credential

Course Number: II42

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: II41 Adobe Visual Design I

Aligned Career Technical Student

Organization: Future Business Leaders of America (FBLA), SkillsUSA

Aligned Industry Credential: Adobe Certified Associate InDesign

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

GAME ART AND DESIGN-Pilot

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: TS31

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: TS24 Digital Design and Animation I

Aligned Career Technical Student

Organization: None

Aligned Industry Credential: None

Description: This course introduces students to techniques used in the electronic game industry. Students will focus on the principles used in game design including mathematical and virtual modeling. Emphasis is placed on areas related mathematical and virtual modeling.



FAMILY CONSUMER SCIENCE EDUCATION

Family and Consumer Sciences (FCS) provides the bridge needed by all students to deal with major societal issues such as work-and-family, health care, child and elder care, family and community violence and crime, global economics and politics, and technology usage. FCS Education is a catalyst to bring these issues into action-oriented, skill-building educational programs. The North Carolina FCS Education program provides a platform for students to transition into adult life by gaining a strong foundation of the knowledge and skills needed for successfully living and working in a diverse, global society.

Students develop personal effectiveness and industry-relevant technical skills as they explore and pursue career pathways aligned to the FCS Body of Knowledge and Family and Consumer Sciences National Standards 3.0.

CULINARY ARTS AND HOSPITALITY I

Proof of Learning: NCTEST

1 Credit

Course Number: FH10

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student

Organization: Family, Career and Community Leaders of America (FCCLA),

Aligned Industry Credential: None

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

CULINARY ARTS AND HOSPITALITY II (APPLICATIONS)

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: FH11

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: FH10 Culinary Arts & Hospitality

Aligned Career Technical Student

Organization: Family, Career and Community Leaders of America (FCCLA)

Aligned Industry Credential: ANSI-Accredited Food Protection Manager Certification (ServeSafe)

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

CULINARY ARTS AND HOSPITALITY III

Proof of Learning: Credential

1 Credit

Course Number: FH13

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: FH11 Culinary Arts & Hospitality II Applications

Aligned Career Technical Student

Organization: Family, Career and Community Leaders of America (FCCLA)

Aligned Industry Credential: Pre-Professional Assessment Certification in Culinary Arts

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



CULINARY ARTS AND HOSPITALITY IV (APPLICATIONS)

Proof of Learning: Performance Based Measurement (PMB)

Course Number: FH14

Recommended Maximum Enrollment: 20

Hours of Instruction: 135(block) 150(regular)

Prerequisite: FH13 Culinary Arts & Hospitality III

Aligned Career Technical Student

Organization: Family, Career and Community Leaders of America (FCCLA)

Aligned Industry Credential: None

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



FOOD AND NUTRITION- I

Proof of Learning: NCTEST

1 Credit

Course Number: FN41

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: Family, Career and Community Leaders of America (FCCLA)

Aligned Industry Credential: ANSI-Accredited Food Handler Certificate (ServeSafe)

Description: This course examines the nutritional needs of the individual. Emphasis is placed on fundamentals of food production, kitchen and meal management, food groups and their preparation, and time and resource management. English language arts, mathematics, science, and social studies are reinforced. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.



FOOD AND NUTRITION II

Proof of Learning: NCTEST

1 Credit

Course Number: FN42

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: FN41 Foods and Nutrition I

Aligned Career Technical Student Organization: Family, Career and Community Leaders of America (FCCLA)

Aligned Industry Credential: ANSI Accredited Food Protection Manager Certification (ServeSafe)

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



HEALTH SCIENCE EDUCATION

Health Science Education provides a comprehensive program to meet present and projected needs for the healthcare industry. Curriculum concepts incorporate technological advances to motivate students and prepare them to pursue a career as a future health professional. Emphasis is placed on the various domains of healthcare and related skills such as: employability skills, prevention (wellness), diagnostics, therapeutics, and rehabilitation. Students are encouraged to pursue work-based learning opportunities that include job shadowing, internships, and apprenticeships to support their areas of interest in healthcare.

HEALTH SCIENCE I

Proof of Learning: NCTEST

1 Credit

Course Number: HU40

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

Aligned Industry Credential: First Aid

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

HEALTH SCIENCE II

Proof of Learning: Performance Based Measurement (PBM)

1 Credit

Course Number: HU42

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: HU40 Health Science I

Aligned Career Technical Student Organization: Future Health Professionals (HOSA)

Aligned Industry Credential: Basic life support, OSHA 10-Hour General Industry (Healthcare) Certification, Stop the Bleed

Description: This course developed to help students expand their understanding of the healthcare industry, including employability skills, safety and infection control procedures, and clinical skills used by allied health professionals. In addition, students will demonstrate their understanding of cardiovascular and respiratory systems by applying BLS CPR skills. Projects, teamwork, and demonstrations serve as instructional strategies to reinforce the curriculum content. English language arts and science are reinforced in this course.



BIOMEDICAL TECHNOLOGY

Proof of Learning: NCTEST

1 Credit

Course Number: HB11

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: HU40 Health Science I and Biology

Aligned Career Technical Student

Organization: HOSA - Future Health Professionals

Aligned Industry Credential: None

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

Dental Sciences II

Proof of Learning: Local

1 Credit

Course Number: HL05

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: Dental Sciences I

Organization: HOSA-Future Health Professionals

Aligned Industry Credential: None

Description: The goal of this course is to equip the student with a strong foundational knowledge of the importance of dental concepts and materials by discussing the characteristics, affecting factors, and the most up-to-date materials used, followed by manipulation labs. This course also details the importance of oral pathology and its role in healthcare.

Dental Sciences I

Proof of Learning: Local

1 Credit

Course Number: HL04

Recommended Maximum Enrollment: 20

Hours of Instruction: 135(block) 150 (regular)

Prerequisite: Health Science I and Biology

Organization: HOSA-Future Health Professionals

Aligned Industry Credential: None

Description: The goal of this course is to equip the student with an ability to recognize dental terminology, and structures of the head neck, tooth and oral cavity. Students will gain knowledge in dental charting procedures, recognize microbiology, disease transmission and terms. Students will execute infection control measures., disinfection and sterilization procedures.

Dental Sciences III

Proof of Learning: Local

1 Credit

Course Number: HL06

Recommended Maximum Enrollment: 20

Hours of Instruction: 135(block) 150 (regular)

Prerequisite: Health Science II

Organization: HOSA-Future Health Professionals

Aligned Industry Credential: None

Description: The goal of this course is to equip the student with a strong foundational knowledge of the importance of the dental profession, the history, ethics and jurisprudence, delivery of the dental treatment and equipment, patient management and instrumentation. This course also details the importance of patient exam procedures.



NEARLY 60% OF COMPANIES LACK QUALIFIED APPLICANTS FOR OPEN JOBS, WHICH CAN COST A COMPANY MORE THAN \$800K A YEAR.

#ISupportCTE

TRADE AND INDUSTRIAL EDUCATION

Trade, Technology, Engineering, and Industrial Education (TI) programs provide students with the skills and conceptual knowledge needed for careers in industry, engineering and design. Students can focus on industry certifications for careers immediately after graduation or develop skills and knowledge needed for higher level professional degrees in engineering and design fields.

CONSTRUCTION CORE

Proof of Learning: Credential

1 Credit

Course Number: IC00

Recommended Maximum Enrollment: 12

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned	Career	Technical	Student
Organization:			

Aligned	Industry	Credential:	NCCER
Construction Core, OSHA 10-Hour Construction Industry Certifications			

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

CARPENTRY I

Proof of Learning: Credential

1 Credit

Course Number: IC21

Recommended Maximum Enrollment: 12

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IC00 Construction Core

Aligned	Career	Technical	Student
Organization:			

Aligned	Industry	Credential:	NC NCCER
Credential - Carpentry I			

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

CARPENTRY II-HONORS

Proof of Learning: Credential

1 Credit

Course Number: IC22

Recommended Maximum Enrollment: 12

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IC21 Carpentry I

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: NC NCCER Credential - Carpentry II

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



CARPENTRY III-HONORS

Proof of Learning: Credential

Course Number: IC23

Recommended Maximum Enrollment: 12

Hours of Instruction: 135(block) 150(regular)

Prerequisite: IC22 Carpentry II

Aligned Industry Credential: NCCER Credential -Carpentry III

Description: This course builds on skills mastered in Carpentry II and develops

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

PUBLIC SAFETY I

Proof of Learning: Credential

1 Credit

Course Number: IP11

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: National Incident Management System, Law and Public Safety Introductory Competency

Description: This course provides basic career information in public safety including corrections, emergency and fire management, security and protection, law enforcement, and legal services. FEMA certifications NIMS 100,200, 700, 800 are also a part of this course. Additionally, students will develop a personal plan for a career in public safety. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.



PUBLIC SAFETY II-HONORS

Proof of Learning: Credential

1 Credit

Course Number: IP12

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IP11 Public Safety I

Aligned Career Technical Student

Organization: SkillsUSA

Aligned Industry Credential: Community Emergency Response Team (CERT) and NECI 911 Basic Communications.

Description: This course provides a deeper level of understanding of career information in public safety by focusing on the Community Emergency Response Team (C.E.R.T.) Certification and NECI 40-hour 9-1-1 Basic Communications course certification. CERT is a Federal Emergency Management Administration (FEMA) developed certification that incorporates all areas of public safety. English language arts are reinforced.

EMERGENCY MANAGEMENT I

Proof of Learning: Credential

1 Credit

Course Number: IP51

Recommended Maximum Enrollment: 25

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IP11 Public Safety I

Aligned Industry Credential: NC Emergency Management I Certification

Description: This course is the first in a series to the Emergency Management certifications for FEMA and are recommended by the North Carolina Emergency Management Office at the NC Department of Public Safety as appropriate for high school students. These certifications are those required by professionals in this field. The course includes skills in each area, using resources from the community to help deliver instruction to the students. English language arts are reinforced.



WELDING TECHNOLOGY I-HONORS

Proof of Learning: NCTEST

1 Credit Inherently Honors

Course Number: IM61

Recommended Maximum Enrollment: 12

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: AWS SENSE - Thermal Cutting Process, OSHA-10- Hour Construction Certification, S/P2 - Welding Safety and Pollution Prevention

Description: This course covers basic industrial and construction welding practices, characteristics, and entry level skills. Topics include safety, tools and equipment, measurement, thermal cutting processes, base metal preparation and shielded metal arc welding (SMAW). Mathematics and science are reinforced. * Per AWS, the trainee/instructor ratio for each course should be kept as low as possible.

WELDING TECHNOLOGY II-HONORS

Proof of Learning: Credential

1 Credit Inherently Honors

Course Number: IM62

Recommended Maximum Enrollment: 12

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IM61 Welding Technology I

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: AWS Sense Entry Welder Program-Shielded Metal Arc Welding (SMAW) Certified Welder per Welding Code AWS D1.1 (Shaw

Description: This course introduces advanced welding and cutting practices used in industry and construction and emphasizes hands-on

experience. Topics include safety, inspection, weld fit-up and testing, metal properties, and shielded metal (SMAW) arc welding. Mathematics and science are reinforced. * Per AWS, the trainee/instructor ratio for each course should be kept as low as possible.

WELDING TECHNOLOGY III-HONORS

Proof of Learning: Credential

1 Credit Inherently Honors

Course Number: IM63

Recommended Maximum Enrollment: 12

Hours of Instruction: 135(block) 150 (regular)

Prerequisite: IM62-Welding Technology II

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: AWS-SENSE Entry Welder Program-Flux Cored Arc Welding (FCWA) AWS SENSE Entry Welder Program-Gas Metal Arc Welding (GMAW) Certified Welder per Welding Code AWS D1.1 (GMAW) All are required.

Description: This course is designed to continue the development of advanced welding and cutting practices used in the industry and construction and emphasizes hands-on experience. Further emphasis is placed on topics covered in Welding Technology II, and more, such as safety, weld fit-up and testing, metal properties, gas metal arc welding (GMAW) and flus cored arc welding (FCWA). Mathematics and science are reinforced. *Per AWS, the trainee/instructor ratio for each course should be kept as low as possible.



AUTOMOTIVE SERVICE FUNDAMENTALS

Proof of Learning: NCTEST

1 Credit

Course Number: IT11

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: S/P2-Automotive Service Pollution Prevention, S/P2-Automotive Service Safety

Description: This course introduces automotive safety, basic automotive terminology, system & component identification, knowledge and introductory skills in hand tools, shop equipment, basic servicing, and use of service information. In addition, careers and various job opportunities in the automotive repair industry will be discussed. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced.



AUTOMOTIVE SERVICE I

Proof of Learning: NCTEST

1 Credit

Course Number: IT16

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IT11 Automotive Service Fundamentals

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: None

Description: This course develops automotive knowledge and skills in performing scheduled automotive maintenance, servicing, and basic testing of brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced.



AUTOMOTIVE SERVICE II-HONORS

Proof of Learning: NCTEST

1 Credit **Inherently Honors**

Course Number: IT17

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IT16 Automotive Service I

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: ASE Entry-Level Certification Maintenance & Light Repair, and ASE Entry-Level Certification-brakes

Description: This course builds on the knowledge and skills introduced in Automotive Servicing I and develops advanced knowledge and skills in vehicle system repair and/or replacement of components in the brakes, electrical systems, drivetrain, engine, HVAC and steering & suspension systems, emphasizing hands-on experience. As part of the NATEF accreditation, topics are aligned to the Maintenance and Light Repair (MLR) requirements. English language arts are reinforced.

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

DRONE TECHNOLOGY FUNDAMENTALS

Proof of Learning: PBM

1 Credit

Course Number: ID10

Recommended Maximum Enrollment: 14

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: FAA Trust

Description: This course will provide students' knowledge in the field of aviation related to drone technology. Students will also learn the skills needed to fly basic drones for recreational purposes. English language arts are reinforced.

AUTOMOTIVE SERVICE III-HONORS

Proof of Learning: Credential

1 Credit **Inherently Honors**

Course Number: IT18

Recommended Maximum Enrollment: 20

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: IT17 Automotive Service II

Aligned Career Technical Student

Organization: SkillsUSA

Aligned Industry Credential: ASE Auto Maintenance and Light Repair Certification (G1), ASE Entry-Level Certification-Electrical/Electronic Systems



DRONE TECHNOLOGY I

Proof of Learning: Credential

1 Credit

Course Number: ID11

Recommended Maximum Enrollment: 10

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: None

Aligned Career Technical Student Organization: Future Business Leaders of America (FBLA); SkillsUSA, or Technology Student Association

Aligned Industry Credential: CFR 14 Part 107 UAS Remote Pilot Certification, NCDOT NC UAS Operator Permit (Must have both)

Description: This course is designed to provide students basic information about the drone industry to gain an understanding of careers and skills in this field. FAA 14 CFR part 107 (The Small UAS Rule), officially known as "Part 107 Remote Pilot Certificate" is covered. The Small UAS rule adds a new part 107 to Title 14 Code of Federal Regulations (14 CFR) to allow for routine civil operation of small Unmanned Aircraft Systems (UAS) in the National Airspace System (NAS) and provide safety rules for those operations. This course is also designed for an introduction to basic flight of drones to include manual flight and mapping software. English language arts are reinforced. Students must be 16 years of age before the end of the course. Students cannot test until they are 16 and testing is the method used to determine proficiency for our Federal Accountability.

DRONE TECHNOLOGY II

Proof of Learning: Credential

1 Credit

Course Number: ID12

Recommended Maximum Enrollment: 10

Hours of Instruction: 135 (block) 150 (regular)

Prerequisite: Drone Technology I, FAA 14CFR Part 107A

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: NFPA 2400

Description: This course is designed to provide students, who have their FAA CFR 14 Part 107 (The Small UAS Rule), officially known as "Part 107 Remote Pilot Certificate" the knowledge and skills needed to be a commercial pilot in the Drone Industry. Entrepreneurship, fleet management, and drone software topics are covered in this course. In addition, students are expected to choose a specific industry application. The industry application choices are construction, agriculture, public safety, and cinematography. English language arts are reinforced. *Students must be FAA 14 CFR Part 107 certified to be enrolled in this course. There are no exceptions.*



BARBERING I

Proof of Learning: Local

1 Credits

Course Number: IL245X0

Recommendation Maximum Enrollment: 20

Hours of Instructional: 135 (block)

Prerequisite: None

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: None

Description: The Barbering program consists of two types of training, theory and practical. Initially, students attend theory classes and will normally be given a quiz/test on the material covered. A description of the services that students will perform on actual customers while in training is listed below under "Practical Training" in the advanced classes of Barbering II & III.

BARBERING II

Proof of Learning: Local

4 Credits Honors

Course Number: IL255X0

Recommendation Maximum Enrollment: 20

Hours of Instructional: 135 (block)

Prerequisite: Barbering I

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: None

Description: Barbering II consist of the training of all phases of shampooing, skin care, and scalp care. This training includes the practical and theoretical training. Opportunities for supervised work with the public is provided.



BARBERING III

Proof of Learning: 1528 hours

4 Credits Honors

Course Number: IK485X0B3

Recommendation Maximum Enrollment: 20

Hours of Instructional: 135 (block)

Prerequisite: Barbering II

Aligned Career Technical Student Organization: SkillsUSA

Aligned Industry Credential: Certificate of Hours

Description: Barbering III consist of the training of all phases of shampooing, skin care, and scalp care. This training includes the practical and theoretical training. Opportunities for supervised work with the public is provided.



Be Prepared. Be Empowered. Be CTE.

Career Pathway Plans of Study can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within each plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Career and Technical Education (CTE) gives students opportunities to figure out what they are passionate about and want to do - and not do - after high school. Students explore a range of career options based on what they love to do and do well. CTE helps build confidence and leadership skills to meet their goals in and out of the classroom. Courses in CTE are designed to contribute to the broad educational achievement of students, including basic skills such as reading, writing, and mathematics, as well as their ability to work independently and as part of a team, think creatively, solve problems, and utilize technology. CTE courses are provided through seven program areas.

CTE gives purpose to learning by emphasizing real-world skills and practical knowledge. These tools and experiences make school more relevant, and ensure students are ready for the real world. Whether students plan to further their education in community colleges, technical schools, four-year colleges and universities, receive on-the-job training, or pursue careers in the military, CTE can be the first step in a pathway toward productive employment and citizenship.

Developing a four-year high school plan and updating it annually keeps students on track to graduation and in sight of their post-secondary plans. Beyond core graduation requirements, four-year planning allows students to create a road map preparing them to meet college and career pathway requirements. The intent of sequences of courses is not to force students to choose a career, but rather provide them an opportunity to explore a multitude of career options. Career pathways give students a lens through which they can begin to see the connection between a strong academic background and personal career goals.

*CONCENTRATOR

A secondary student who completes two or more courses in a CTE Pathway.



Hoke County High School CTE Pathways



Adobe Academy



Animal Science



Automotive Services



Barbering Academy



Biomedical Technologies



Carpentry



Computer Science



Culinary Art



Dental Science



Digital Design & Animation



Drone Technologies



Emergency Management



Entrepreneurship



Game Art Design



Healthcare Professional



Food & Nutrition



Network Security



Plant Systems



Project Management



Public Safety



Welding

YOU CAN GET THERE FROM HERE



Adobe Academy Career Pathway (ADAC) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Arts, A/V Technology & Communication Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Adobe Academy Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Animator ❖ Art Director ❖ Artist ❖ Commercial Artist ❖ Commercial Photographer: Digital, Still, Video, Film ❖ Commercial/Residential and Home ❖ Furnishing Coordinator ❖ Computer Animator ❖ Curator and Gallery Manager ❖ Fashion Designer ❖ Fashion Illustrator ❖ Graphic Designer ❖ Illustrator ❖ Interior Designer ❖ Textile Designer
		English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Adobe Visual Design I	
		English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Adobe Visual Design II	
Post-Secondary	12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship	
		Adobe Illustrator, Adobe InDesign, Adobe Photoshop, Conover						

[Digital Media Pathway](#) (SCC (C25210HS)), [Web Design Pathway](#) (SCC (C25210H2))

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Animal Science Career Pathway (ANSC) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Animal Systems Pathway of the Agriculture, Food and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Animal Science Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Animal Caretaker-Poultry Manager ❖ Aqua Culturalist ❖ Artificial Insemination Technician ❖ Dairy Producer ❖ Equine Manager ❖ Feed Sales Representative ❖ Livestock Buyer ❖ Livestock Inspector ❖ Livestock Producer ❖ Veterinary Assistant ❖ Agricultural Educator ❖ Animal Nutritionist ❖ Livestock Geneticist ❖ Meat Science Researcher ❖ Physiologist ❖ Wildlife Biologist ❖ USDA Inspector ❖ Veterinarian
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Animal Science I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Animal Science II – Companion Animal	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		Veterinary Assistant CTE Advanced Studies CTE Apprenticeship OR CTE Internship		

NC Beef Quality Assurance, YQCA Certification, Certified Veterinary Assistant, Elanco Veterinary Medical Applications, Conover
[Introduction to Medical Laboratory Technology Pathway \(SCC \(C45420HS\)\)](#)

**Credentialed
Post-Secondary**

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Automotive Services Career Pathway (AUTO) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Facility and Mobile Equipment Maintenance Pathway of the Transportation, Distribution and Logistics Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Automotive Services Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Dispatcher ❖ Emergency Management and Response Coordinator ❖ Emergency Planning Manager ❖ EMT ❖ Fire Fighter ❖ Forest Fire Fighter ❖ Forest Fire Inspector and Investigator ❖ Hazardous Materials Responder Manager/Supervisor of Fire Fighters or Forest Fire Fighters ❖ Rescue Worker ❖ Training Officer ❖ Bomb Technician ❖ Criminal Investigator ❖ Evidence Technician ❖ Federal Marshall ❖ Game Enforcement Officer ❖ Highway Patrol Officer ❖ Immigration and Customs Inspector ❖ Park Ranger ❖ Police and Patrol Officer ❖ Police Detective and Criminal Investigator ❖ Police, Fire and Ambulance Dispatcher ❖ Private Detective and Investigator ❖ Sheriff and Deputy Sheriff ❖ Attorney
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Automotive Service Fundamentals Automotive Service I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Automotive Service II	
	12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		Automotive III CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship	

Credentiailing Post-Secondary

S/P2 Pollution Protection, S/P2 Automotive Service Safety, ASE Maintenance & Light repair, ASE Brakes, ASE Electrical/ Electronic, Conover
[Automotive Management Pathway \(SCC \[C60160-HS\]\)](#), [Automotive C-Tech Certificate Pathway \(SCC \[C60160-H2\]\)](#), [Automotive Fabrication Pathway \(SCC \[C60130-H2\]\)](#)

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Hoke County High Barber Academy Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Personal Care Services Pathway of the Human Services Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	Career and Technical Courses and/or Degree Major Courses for Barbering Services Pathway	Occupations Relating to This Pathway
 SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Barber Cosmetologist, Hairdresser and Hairstylist Electrolysis Technician Embalmer
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Barbering I	Esthetician Exercise Physiologist Funeral Attendant Funeral Director Home Care Aide Massage Therapist Mortician
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS	Barbering II	Nail Technician, Manicurist and Pedicurist Personal Aide Personal Fitness Trainer Shampooer Skin Care Specialist Spa Attendant	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS	Barbering III Apprenticeship			

Credentiaing Hours 1528, Pre-Apprenticeship, Conover

Post-Secondary [Entrepreneurship Pathway \(SCC \(C25120H3\)\)](#)




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Biomedical Technology Career Pathway (BTCP) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Support Services Pathway of the Health Science Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Biomedical Technology Pathway	Occupations Relating to This Pathway
 SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Animal Services Technician ❖ Animal Services Technologist ❖ Data Entry Clerk ❖ Lab Assistant-Genetics ❖ Lab Technician ❖ Maintenance and Instrument Technician ❖ Process Technician ❖ Quality Assurance Technician ❖ Quality Control Technician ❖ Biochemist Bioinformatics ❖ Associate Bioinformatics Scientist ❖ Bioinformatics Specialist ❖ Biomedical Chemist ❖ Biostatistician ❖ Cell Biologist ❖ Clinical Trials Research Associate ❖ Clinical Trials Research Coordinator ❖ Geneticist ❖ Microbiologist ❖ Molecular Biologist ❖ Pharmaceutical Scientist ❖ Regulatory Affairs Specialist ❖ Research Assistant ❖ Research Associate ❖ Research Scientist ❖ Toxicologist
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Health Science I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Biomedical Technology	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship Nurse Aide	<ul style="list-style-type: none"> ❖ CTE Advanced Studies ❖ CTE Apprenticeship ❖ CTE Internship ❖ Nurse Aide 	
Credentialing		First Aid, Conover					SCC CMAA, EKG, Pharmacy Tech, Nurse Aide	
Post-Secondary								Introduction to Medical Laboratory Technology Pathway (SCC (C45420HS)) , Allied Health Pathway (SCC (C45630H2)) , Nurse Aid Pathway Nurse Aide (SCC (C45840HS))

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Carpentry Career Pathway (CARP) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Design/Pre-Construction Pathway of the Architecture and Construction Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Carpentry Career Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Carpenter ❖ Code Official ❖ Concrete Finisher ❖ Construction Engineer ❖ Construction Foreman/Manager ❖ Construction Inspector ❖ Contractor ❖ Design Builder ❖ Drywall Installer ❖ Electrician ❖ Electronic Systems Technician ❖ Equipment and Material Manager ❖ General Contractor/Builder ❖ Heating, Ventilation, Air Conditioning and Refrigeration Mechanic ❖ Mason ❖ Painter ❖ Paperhanger ❖ Plumber ❖ Project Estimator ❖ Project Inspector ❖ Project Manager ❖ Roofer ❖ Safety Director ❖ Sheet Metal Worker ❖ Specialty Contractor ❖ Superintendent ❖ Tile and Marble Setter
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		<ul style="list-style-type: none"> Construction Core Carpentry I 	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		<ul style="list-style-type: none"> Carpentry II Carpentry III 	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		<ul style="list-style-type: none"> CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship <ul style="list-style-type: none"> SCC Electrical SCC Plumbing SCC HVAC SCC Robotics 		

Credentialed
OSHA 10-Hour Construction Industry, NC NCCER Construction-Core, NCCER Carpentry I, NCCER Carpentry II, NCCER Carpentry III, Conover

Post-Secondary
[Architectural Technology Pathway \(SCC \[C40100H3\]\)](#), [Residential Construction Pathway \(SCC \[C40100HS\]\)](#), [Commercial Construction Pathway \(SCC \[C40100H2\]\)](#)

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Computer Science Principles Career Pathway (CSPR) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Programming and Software Development Pathway of the Information Technology Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Computer Science Principles Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	<i>Interest Inventory Administered and Plan of Study Initiated for all Learners</i>	Career Management	<ul style="list-style-type: none"> ❖ Applications Analyst ❖ Applications Engineer ❖ Business Analyst ❖ Computer Engineer ❖ Data Modeler ❖ Game Developer ❖ Operating System Designer/Engineer ❖ Program Manager ❖ Programmer ❖ Programmer Analyst ❖ Project Lead ❖ Software Applications Specialist ❖ Software Applications Tester ❖ Software Design Engineer ❖ Systems Administrator ❖ Systems Analyst ❖ Test Engineer ❖ Tester ❖ Communications Analyst ❖ Data Communications Analyst ❖ Information Systems ❖ Technology Engineer ❖ Network Administrator ❖ Network Architect ❖ Network Engineer ❖ Network Manager ❖ Network Operations Analyst ❖ Network Security Analyst ❖ Network Specialist ❖ Network Technician ❖ Network Transport Administrator ❖ PC Support ❖ Systems Support
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Computer Science I	<ul style="list-style-type: none"> ❖ All plans of study should meet local and state high school graduation requirements and college entrance requirements. ❖ Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Computer Science II	<ul style="list-style-type: none"> ❖ Career Management ❖ Computer Science I ❖ Computer Science II
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS	AP Computer Science OR CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship	<ul style="list-style-type: none"> ❖ AP Computer Science ❖ OR ❖ CTE Advanced Studies ❖ OR ❖ CTE Apprenticeship ❖ OR ❖ CTE Internship 		

Credentiailing
Post-Secondary

Conover

[Computer Engineering Security Pathway \(SCC \(C40160H5\)\), Computers C# Programming Pathway \(SCC \(C25590H2\)\)](#)

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Dental Science Career Pathway Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Support Services Pathway of the Health Science Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses for Dental Sciences Pathway	Occupations Relating to This Pathway
Interest Inventory Administered and Plan of Study Initiated for all Learners								
9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HN AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.		Career Management Dental Sciences I Dental Sciences II Dental Sciences III CTE Advanced Studies CTE Apprenticeship OR CTE Internship	<ul style="list-style-type: none"> ❖ Dental Assistants ❖ Health Technologists ❖ Licensed Practical Nurse ❖ Licensed Vocational Nurse ❖ Radiologic Technologist ❖ Dental Hygienists ❖ Endoscopy Technicians ❖ Medical Assistants ❖ Ophthalmic Medical Technicians ❖ Surgical Assistants
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS			
		11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS			
12	English IV English IV HN AP English Literature and Composition English IV OCS		NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Economics and Personal Finance Economics and Personal Finance HNS Civics/Economics OCS				
SECONDRARY								
Credentiaiting								
Post-Secondary								

Conover



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Culinary Arts Applications Career Pathway (CULA) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Restaurants and Food/Beverage Services Pathway of the Hospitality and Tourism Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Culinary Arts Applications Pathway	Occupations Relating to This Pathway	
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Caterer Catering and Banquets Manager Executive Chef Food and Beverage Manager General Manager Kitchen Manager Maitre d' Restaurant Owner Services Manager Baker Bartender Brewer Pastry and Specialty Chefs Restaurant Server Wine Steward	
		English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Culinary Arts & Hospitality I Culinary Arts & Hospitality II Applications	Pastry and Specialty Chefs Restaurant Server Wine Steward Banquet Server Banquet Set-Up Employee Bus Person Cocktail Server Counter Server Host Kitchen Steward Line Cook Restaurant Server Room Service Attendant	
		English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Culinary Arts & Hospitality III	Culinary Arts & Hospitality III	
		English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		Culinary IV CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship		

Interest Inventory Administered and Plan of Study Initiated for all Learners

ANSI-Accredited Food Protection Manager Preprofessional Assessment and Certification in Culinary Arts, Conover

[Introduction to Baking & Pastry Pathway \(SCC \[C55130HS\]\)](#), [Introduction to Culinary Arts Pathway \(SCC \[C55150HS\]\)](#)

Credentialed Post-Secondary



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Digital Design and Animation Career Pathway (DIDE) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Visual Arts Pathway of the Arts, Audio/Video Technology and Communications Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Digital Design and Animation Pathway	Occupations Relating to This Pathway	
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Animator Art Director Artist Commercial Artist Commercial Photographer: Digital, Still, Video, Film Commercial/Residential and Home Furnishing Coordinator Computer Animator Curator and Gallery Manager Fashion Designer Fashion Illustrator Graphic Designer Illustrator Interior Designer Textile Designer	
		English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Digital Design and Animation I		
		English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Digital Design & Animation II		
		English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies CTE Apprenticeship OR CTE Internship		
Credentiaing Post-Secondary		Conover 3Ds MAX Certified							
		Digital Media Pathway (SCC (C25210HS)) , Web Design Pathway (SCC (C25210H2))							

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Drone Technology Career Pathway Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Transportation Operations Pathway of the Transportation, Distribution and Logistics Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Drone Technology Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Pilot Drones Pilot in Real Estate Drones Pilot in Construction / Mining / Aggregates Drones Pilot in Filmmaking Drones Pilot in Public Safety Drones Pilot in Insurance Drones Pilot in Journalism Drones Pilot in Agriculture Drones Pilot in Transportation Drones Pilot in Energy Drones Pilot in Telecommunications Drones Pilot in Education Drone Pilot Networks
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Drone Fundamentals Drone Technology I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	AP US History Civic Literature Civic Literature HNS		Drone Technology II	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies CTE Apprenticeship OR CTE Internship		

Interest Inventory Administered and Plan of Study Initiated for all Learners

FAA Trust, 14 CFR Part. 107 UAS Remote Pilot License, NCDOT NC UAS Operators Permit, NFPA 2400, Conover
[Introduction to Aviation Management Pathway \(SCC \(C60480HS\)\)](#), [Introduction to Professional Pilot Pathway \(SCC \(C60480H2\)\)](#)

Credentiaing
Post-Secondary

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Emergency Management Career Pathway (EMMG) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Personal Care Services Pathway of the Human Services Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	Career and Technical Courses and/or Degree Major Courses for Emergency Management Pathway	Occupations Relating to This Pathway
Interest Inventory Administered and Plan of Study Initiated for all Learners								
9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HN AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Fire Inspectors Fire Investigators Police Officer Sheriff Deputy Patrol Officers Emergency Management Directors Business Compliance Managers Forest Fire Inspectors Forest Fire Prevention Specialist Health and Safety Engineers Information Security Engineers Loss Prevention Managers Management Analysts Occupational Health and Safety Specialist Security Management Specialist Security Managers	
	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Public Safety I		
	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Emergency Management I		
	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS Civics/Economics OCS		CTE Advanced Studies CTE Apprenticeship OR CTE Internship		
12	NC Emergency Management I, NIMS, Law & Public Safety, Conover							
Credentialing Post-Secondary								

SECONDARY





Entrepreneurship Career Pathway (ENTRE) Career Pathway Plan of Study

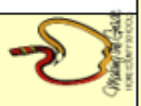
Career Pathway Plan of Study (based on the Management and Entrepreneurship Pathway of the Marketing, Sales and Service Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Entrepreneurship Pathway	Occupations Relating to This Pathway
 SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Administrative Support Representative Chief Executive Officer Customer Service Representative Entrepreneur Franchisee Independent Distributor Owner Partner President Principal Proprietor Small Business Owner
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Entrepreneurship I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS	Entrepreneurship II		
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS	CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship			

Interest Inventory Administered and Plan of Study Initiated for all Learners

Credentiaing	Venture Entrepreneurial Expedition, Entrepreneurship & Small Business, Conover							
Post-Secondary	Entrepreneurship Pathway (SCC (C25120H3))							





Game Art Design Career Pathway (GAAR) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Interactive Media Pathway of the Information Technology Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Game Art Design Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Animator ❖ Digital Media Designer ❖ Instructional Technologist ❖ Media Specialist ❖ Multimedia Author ❖ Multimedia Developer ❖ Multimedia Specialist ❖ Producer ❖ Production Assistant ❖ Streaming Media Specialist ❖ Virtual Reality Specialist ❖ Web Administrator ❖ Web Architect/Designer ❖ Web Designer ❖ Web Developer ❖ Web Producer ❖ Webmaster
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Digital Design and Animation I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Game Art Design	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies CTE Apprenticeship OR CTE Internship		

Conover
Post-Secondary

[Simulation & Gaming Pathway \(SCC \(C25450HS\)\)](#), [Digital Media Pathway \(SCC \(C25210HS\)\)](#), [Web Design Pathway \(SCC \(C25210HZ\)\)](#)

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Healthcare Professional Career Pathway (HPCP) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Diagnostic Services Pathway of the Health Science Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Healthcare Professional Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Cardiovascular Technologist ❖ Central Supply Technician ❖ Clinical Lab Technician ❖ Computer Tomography (CT) Technologist ❖ Diagnostic Medical Sonographer ❖ Electrocardiographic (ECG) Technician ❖ Magnetic Resonance (MR) Technologist ❖ Mammographer ❖ Nuclear Medicine Technologist ❖ Pathology Assistant ❖ Phlebotomist ❖ Positron Emission Tomography (PET) Technologist ❖ Radiologic Technologist/Radiographer ❖ Cytogenetic Technologist ❖ Cytotechnologist ❖ Exercise Physiologist ❖ Geneticist ❖ Medical Technologist/Clinical Laboratory Scientist ❖ Nutritionist Pathologist ❖ Radiologist
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HN Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Health Science I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HN AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Health Science II	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship SCC CMAA, EKG, Pharmacy Tech, Nurse Aide		

Credentialed First Aid, Basic Life Support, Stop the Bleed, NC Nurse Aid I, Conover, OSHA

Post-Secondary [Allied Health Pathway \(SCC \(C45630H2\)\)](#), [Nurse Aid Pathway Nurse Aide \(SCC \(C45840HS\)\)](#), [Introduction to Health & Fitness Science Pathway \(CSS \(C45630HS\)\)](#)

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Food and Nutrition Career Pathway (FONU) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Restaurants and Food/Beverage Services Pathway of the Hospitality and Tourism Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	Career and Technical Courses	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	Caterer Catering and Banquets Manager Executive Chef Food and Beverage Manager General Manager Kitchen Manager Maitre d' Restaurant Owner Services Manager Baker Bartender Brewer Pastry and Specialty Chefs Restaurant Server Wine Steward Banquet Server Banquet Set-Up Employee Bus Person Cocktail Server Counter Server Host Kitchen Steward Line Cook Restaurant Server Room Service Attendant
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Food and Nutrition I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Food and Nutrition II	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship		

Interest Inventory Administered and Plan of Study Initiated for all Learners

ANSI-Accredited Food Handler Certificate, ANSI-Accredited Food Protection Manager, Conover
[Introduction to Baking & Pastry Pathway](#) (SCC (C55130HS)), [Introduction to Culinary Arts Pathway](#) (SCC (C55150HS))

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Network Security Career Pathway (NESE) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Restaurants and Food/Beverage Services Pathway of the Hospitality and Tourism Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Grade	English/ Language Arts	Math	Science World Language	Social Studies/ Sciences Health & Physical Education	Other Required Courses Other Electives Recommended Electives Learner Activities	Career and Technical Courses and/or Degree Major Courses for Food and Nutrition Pathway	Occupations Relating to This Pathway
Interest Inventory Administered and Plan of Study Initiated for all Learners							
9 	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management Network Security I	<ul style="list-style-type: none"> ❖ Computer Network Support Specialist ❖ Network & Computer Systems Administrators ❖ Information Security Engineers ❖ Penetration Testers ❖ Telecommunications Engineering Specialist ❖ Information Security Analysts ❖ Computer Systems Engineers ❖ Software Developers ❖ Security Managers ❖ Security and Fire Alarm Installers ❖ Digital Forensics Analysts
10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Network Security II	
11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Network Security II	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship	
Credentialing Post-Secondary	CompTIA Security+, Conover						



Plant Systems Career Pathway (PLSV) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Plant Systems Pathway of the Agriculture, Food and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Plant Systems Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Agricultural Journalist ❖ Biotechnology Lab Technician ❖ Commodity Marketing Specialist ❖ Custom hay/Silage Operator ❖ Farmer ❖ Golf Course Manager ❖ Grain Operation Superintendent ❖ Green House Manager ❖ Rancher ❖ Tree Surgeon ❖ Agricultural Educator ❖ Bioinformatics Specialist ❖ Botanist ❖ Plant Breeder and Geneticist ❖ Plant Pathologist ❖ Soil and Water Specialist
		English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS			
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS	Horticulture I		
		English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS	Horticulture II		
Credentiaing Post-Secondary	12	English III OCS	Financial Management OCS	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS	<ul style="list-style-type: none"> ❖ CTE Advanced Studies ❖ CTE Apprenticeship OR ❖ CTE Internship 		
		English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS			

Conover

[Introduction to Landscape Gardening Pathway \(SCC \(C15260HS\)\)](#)

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Project Management Career Pathway (PMGT) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Interactive Media Pathway of the Information Technology Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses and/or Degree Major Courses for Project Management Pathway	Occupations Relating to This Pathway
SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HNS Applied Science OCS	World History World History HN AP World History: Modern Civics Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	First-Line Supervisors of Office and Administration Support Workers Food Service Managers Gambling Managers Property, Real Estate and Community Association Managers Transportation, Storage and Distribution Managers Business Continuity Planners First-Line Supervisors of Mechanics, Installers and Repairers Project Management Specialist Information Technology Project Managers Wind Energy Development Managers Construction Managers Computer and Information Systems Manager Management Analysts Architectural and Engineering Manager Environmental Engineers Motion Picture Projectionist Landscape Architects
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Project Management I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Project Management II	
	12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS Civics/Economics OCS		CTE Advanced Studies CTE Apprenticeship OR CTE Internship	

Interest Inventory Administered and Plan of Study Initiated for all Learners

PMI Project Management Ready, Conover

Credentialed
Post-Secondary



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Public Safety Career Pathway (PSPN) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Security and Protective Services Pathway of the Law, Public Safety, Corrections and Security Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	*Career and Technical Courses	Occupations Relating to This Pathway	
 SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Dispatcher ❖ Emergency Management and Response Coordinator ❖ Emergency Planning Manager ❖ EMT ❖ Fire Fighter ❖ Forest Fire Fighter ❖ Forest Fire Inspector and Investigator ❖ Hazardous Materials Responder Manager/Supervisor of Fire Fighters or Forest Fire Fighters ❖ Rescue Worker ❖ Training Officer ❖ Bomb Technician ❖ Criminal Investigator ❖ Evidence Technician ❖ Federal Marshall ❖ Game Enforcement Officer ❖ Highway Patrol Officer ❖ Immigration and Customs Inspector ❖ Park Ranger ❖ Police and Patrol Officer ❖ Police Detective and Criminal Investigator ❖ Police, Fire and Ambulance Dispatcher ❖ Private Detective and Investigator ❖ Sheriff and Deputy Sheriff ❖ Attorney 	
		10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Public Safety I	
		11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Public Safety II	
 CREDENTIALING	12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; font-weight: bold;">SCC Fire Fighting</div>		
		Post-Secondary	NIMS Certification, Law & Public Safety, CERT Certification, NECI 911, Basic Communications, Conover Introduction to Fire Protection Pathway (SCC (C55240HS)) , Introduction to Criminal Justice Pathway (SCC (C55180HS))						


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Welding Career Pathway (WELD) Career Pathway Plan of Study

Career Pathway Plan of Study (based on the Maintenance, Installation and Repair Pathway of the Manufacturing Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



Education Levels	Grade	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses	#Career and Technical Courses and/or Degree Major Courses for Welding Career Pathway	Occupations Relating to This Pathway
 SECONDARY	9	English I English I HN English I OCS	NC Math I NC Math II NC Math II HN Introduction to Math I OCS	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS	World History World History HNS AP World History: Modern Civic Literature OCS Health and PE	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.	Career Management	<ul style="list-style-type: none"> ❖ Welding Technician ❖ Pipe Welder ❖ Aerospace Welder ❖ Military Support Welder ❖ Underwater Welder ❖ Certified Welding Supervisor ❖ Code Official ❖ Construction Engineer ❖ Construction Foreman/Manager ❖ Contractor ❖ Design Builder ❖ Equipment and Material Manager ❖ General Contractor/Builder ❖ Heating, Ventilation, Air Conditioning and Refrigeration ❖ Mechanic ❖ Project Estimator ❖ Project Inspector ❖ Project Manager ❖ Safety Director ❖ Sheet Metal Worker ❖ Specialty Contractor
	10	English II English II HN English II OCS	NC Math II NC Math III NC Math III HN NC Math I OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS	American History American History I American History I HNS American History II American History II HNS Economics and Personal Finance OCS		Welding Technology I	
	11	English III English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math III NC Math IV NC Math IV HN Discrete Math for Computer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS	AP US History Civic Literature Civic Literature HNS		Welding Technology II	
12	English IV English IV HN AP English Literature and Composition English IV OCS	NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus AB AP Calculus BC AP Statistics	Spanish I Spanish II Spanish III HNS Spanish IV HNS Spanish I – Native Speaker HNS Spanish II – Native Speaker AP Spanish Language and Culture	Economics and Personal Finance Economics and Personal Finance HNS		Welding Technology III		
Credentiaing						CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship		
Post-Secondary								

OSHA 10-Hour Construction Industry Certification, S/P2 Welding Safety and Pollution Prevention, AWS SENSE Thermal Cutting, Conover, AWS SENSE Shielded Metal Arc Welding, Certified Welder per Code AWS D1.1, AWS SENSE Flux Cored Arc, AWS SENSE-Gas Metal Arc, Certified Welding Code AWS D1.1
[Architectural Technology Pathway \(SCC \(C-40100H3\)\)](#), [Residential Construction Pathway](#), [Commercial Construction Pathway \(SCC \(C-40100H2\)\)](#)

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