



### **CTE CENTRAL OFFICE STAFF**

Dana Chavis, Ed.D. Executive Director

Anita Grove, Ed.D.

Curriculum & Instructional

Management Coordinator

### Callie Graham pecial Populations

Special Populations
Coordinator

### Tonya Burney

Career Development
Coordinator

### **Amanda Williams**

Executive Assistant

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System does not
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### **Director's Message**



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 g 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.
Executive Director
Career and Technical Education
Hoke County Schools
910-733-2325
dchavis@hcs.k12.nc.us



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 intern-ships. These opportunities are offered during the school year.





















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.



### **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.



### 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

reinforced in this class.

**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

### ANIMAL SCIENCE II-COMPAINION 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 tics 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.



2/22/23

**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

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**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 manager, 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 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 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. addition. In 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 science and 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 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 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 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.





### 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: SkillsUSA

**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: SkillsUSA

Aligned Industry Credential: NC NCCER

Credential - Carpentry I

**Description:** This course covers the National for Construction Center Education Research (NCCER) Core certification modules required for all the NCCER curriculum-area programs, and an additional Green module. The content includes basic safety, course 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 additional an Green module and "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 and will systems, help students better understand their personal impacts on the environment and make them more aware of how to reduce their carbon footprint. 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, coldformed steel framing construction methods, installations, drywall 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, coldformed 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 Technical Student Career

Organization: SkillsUSA

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

Safety and Pollution Prevention

**Description:** This covers course 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) English language arts requirements. 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 steering & suspension and 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 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

**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.



**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

This course is designed to Description: 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, 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 guiz/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 postsecondary 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





**Dental Science** 



Digital Design & Animation



Drone Technologies



**Emergency Management** 



Entrepreneurship



Game Art Design



Healthcare Professional



Food & Nutrition











Welding

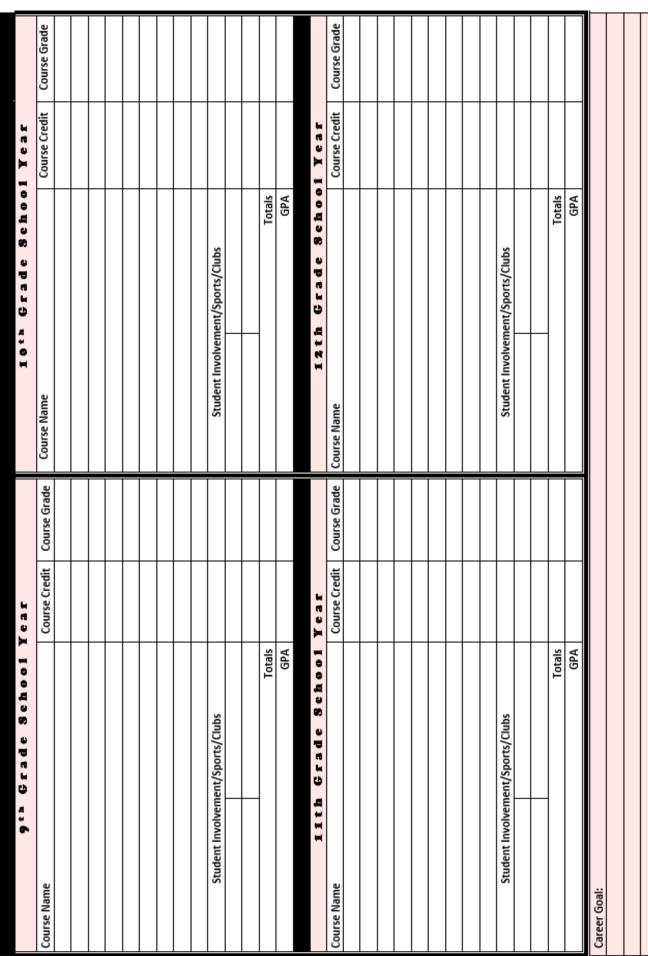
YOU CAN GET THERE FROM HERE



# Four-Year High School Plan

Learning that works for North Carolina

Expected Graduation Date:





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



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 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 school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

							+	
	əj	English / Language		Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or	Occupations Relating to
Educa	bera	Arts	Math	World Language	Health & Physical Education	Recommended Electives	Degree Major Courses for Adobe Academy	This
			(a)		ace Inventory Administered and Dian of Study Initiated for all Lannace	ed for all Learners	Pathway	
W	0	English I	NC Math I	7	World History	All plans of study	Career Management	Animator
<u>w</u>	ח	English I HN	NC Math II	Science	World History HNS	should meet local	0	Art Director
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		Artist
)			Introduction to	Science HN	Modern	school graduation		Commercial Artist
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>Commercial Photographer:</li> <li>Digital Still Video Elle</li> </ul>
					Health and PE	college entrance		Digital, Sull, Video, Film     Commontal/Desidential and
	10	English II	NC Math II	Physical Science	American History	requirements.	Adobe Visual	Commercial/nesidential and     Home
		English II HN	NC Math III	Chemistry I	American History I	Certain local	Design I	• Furnishing Coordinator
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		Computer Animator
			NC Math I OCS	Physics HNS	American History II	organization		Curator and Gallery Manager
					American History II HNS	activities are also		◆ Fashion Designer
,					Economics and	important		♣ Fashion Illustrator
R					Personal Finance OCS	including public		Graphic Designer
IA	11	English III	NC Math III	Biology	AP US History	speaking, record	Adobe Visual	♣ Illustrator
a	:	Enelish III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-	Design II	Interior Designer
N		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		❖ Textile Designer
03		Language and	Discrete Math for	Credits)		experiences.		
DΞ		Composition	Computer Science HN	Biology OCS				
IS		(counts	Pre-Calculus HN	5				
		as English III)	AP Statistics Financial Management OCS					
	1	English III OCS						
	12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced	
		English IV HN	Discrete Math for	Spanish II	Personal Finance		Studies OR	
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship	
		Literature and	Pre-Calculus HN	SNIP VI USINBQC	Personal Finance HNS		og og	
•		Composition	AP Calculus AB	Spanish I – Native			CTE Internship	
		English IV OCS	AP Calculus BC	Speaker				
			AP Statistics	Native Speaker				
				AP Spanish Language				
Opposite Character to con-				and Culture				
Credentialing	aling	Adobe Illustrator, Ad	Adobe Illustrator, Adobe InDesign, Adobe Photoshop,	ŭ				
Post-		Digital Madia Pathwa	Dietel Media Pathway (SCC (C25210HSI) Web Design Pathway (SCC (C25210H2))	Pathway (SCC (C25210H	110			
Secondary	ıry	VIGINAL INICUIA I ANIIN	AT (300 (07777) MEST PERSON	Interest and Isaming	117			



## 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.

	əp	English/ Language		Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or	Occupations Relating to
vəl Vəl	อธาอ	Arts	E E E E E E E E E E E E E E E E E E E	World Language	Health & Physical Education	Recommended Electives Learner Activities	Courses for Animal Science Pathway	This Pathway
			Interest l	t Inventory Administered	nventory Administered and Plan of Study Initiated for all Learners	for all Learners		
Z)	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	Animal Caretaker-Poultry
×.	1	English I HN	NC Math II	Science	World History HNS	should meet local		Manager
3		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Aqua culturalist</li> </ul>
3			Introduction to	Science HN	Modern	school graduation		<ul> <li>Artificial Insemination</li> </ul>
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and college entrance		Technician
					Health and Pt	requirements.		* Dairy Producer
	10	English II	NC Math II	Physical Science	American History	Certain local	Animal Science I	• Equine Manager
		English II HN	NC Math III	Chemistry	American History I	student		<ul> <li>Feed Sales Representative</li> </ul>
		English II OCS	NC Math III HN	Chemistry I HN	American History I HNS	organization		<ul> <li>Livestock Buyer</li> </ul>
			NC Math I OCS	Physics HNS	American History II	activities are also		<ul> <li>Livestock Inspector</li> </ul>
					American History II HNS	important including		<ul> <li>Livestock Producer</li> </ul>
,					Economics and	public speaking,		<ul> <li>Veterinary Assistant</li> </ul>
В					Personal Finance OCS	record keeping and		Agricultural Educator
A	11	English III	NC Math III	Biology	AP US History	work-based	Animal Science II -	Animal Nutritionist
aı		English III HN	NC Math IV	Biology HN	Civic Literature	experiences.	Companion Animal	Livestock Geneticist
VC		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS			<ul> <li>Meat Science Researcher</li> </ul>
00		Language and	Discrete Math for	Credits)				<ul> <li>Physiologist</li> </ul>
E		Composition	Computer Science HN	Biology OCS				Wildlife Biologist
S		(counts	Pre-Calculus HN					<ul> <li>USDA Inspector</li> </ul>
		as English III)	AP Statistics					Veterinarian
		English III OCS	Financial Management OCS					
	12	English IV	NC Math IV	Spanish I	Economics and		Veterinary Assistant	
		English IV HN	Discrete Math for	Spanish II	Personal Finance			
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Advanced Studies	
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		CTE Apprenticeship	
		Composition	AP Calculus AB	Spanish I = Native			OR	
7		English IV OCS	AP Calculus BC	Speaker UNIS Sasaish II –			CTE Internship	
			AP Statistics	Native Speaker				
Charles				AP Spanish Language				
Control Control				and Culture				
Credentialing		NC Beef Quality Ass	NC Beef Quality Assurance, YQCA Certification, Certified Veterinary Assistant,	ied Veterinary Assistant, I	Elanco Veterinary Medical Applications, Conover	Applications, Conover		

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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.

							*Career and	
					Social Studies/	ormer negured	Technical	
				Science	Sciences	Courses	Courses	Occupations
	әр	English/ Language	1	2011		Other Electives	and/or	Relating to
və J	ETE	Arrts	Math	World Language	Hamilton Dhamisan	Recommended	Degree Major	This
·3	)			Acord Language	Education	Electives	Courses for Automotive	Pathway
						Learner Activities	Services Pathway	
			Interest Inv		entory Administered and Plan of Study Initiated for all Learners	for all Learners		
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	Dispatcher
		English I HN	NC Math II	Science	World History HNS	should meet local		<ul> <li>Emergency Management and</li> </ul>
2		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Response Coordinator</li> </ul>
)			Introduction to	Science HN	Modern	school graduation		<ul> <li>Emergency Planning Manager</li> </ul>
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		• EMT
					Health and PE	college entrance		<ul> <li>Fire Fighter</li> </ul>
	10	English II	NC Math II	Physical Science	American History	requirements.	Automotive Service	<ul> <li>Forest Fire Figure</li> <li>Corost Site Introduction</li> </ul>
		English II HN	NC Math III	Chemistry I	American History I	Certain local	Fundamentals	Investigator
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		Investigator     Democrater
		o	NC Math I OCS	Physics HNS	American History II	organization	Automotive Service I	<ul> <li>mazardous inferrals nesponder</li> <li>Manager/Supervisor of Fire</li> </ul>
					American History II HNS	activities are also		Fighters or Forest Fire Fighters
-					Economics and	important		A Rescue Worker
٨٤					Personal Finance OCS	including public		• Training Officer
17	-	Fnelish III	NC Math III	Riology	AP US History	speaking, record	Automotive Service	A Bomb Technician
<b>/</b> 0	11	English III UN	NC Math IV	Diology UNIS	Civily Literature	keening and work-		• Oriminal Investigator
IN		English III HIV	NC Math IV HN	Ap Pielessen Apple	CIVIC LITERATURE	hasad	= _	• Commission of the Properties
IC		AP English	Discrete Math for	AP Biology w/Lab (2	CIVIC LITERATURE HINS	חשפפת		Codenie recinicial     Codeni Masshall
o		Language and	Computer Science LIN	Credits)		experiences.		* rederal marshall
35		Composition	Computer Science niv	Biology OCS				dame Enforcement Unicer     dame Enforcement Officer
s		(counts	A Section of the sect					rignway ratrol Omcer
		as English III)	AP statistics					<ul> <li>Immigration and Customs</li> </ul>
		English III OCS						* Inspector
	12	English IV	NC Math IV	Spanish I	Economics and		Automotive III	Police and Patrol Officer
		English IV HN		Spanish III	Personal Finance			Police Detective and
		AP English	nce HN	Spanish III HNS	Economics and		CTE Advanced	Criminal Investigator
		Literature and	7	Spanish IV HNS	Personal Finance HNS		Studies OR	Police, Fire and Ambulance
•		Composition	AP Calculus AB	Spanish I = Native			CTE Apprenticeship	Dispatcher
(		English IV OCS	AP Calculus BC	Speaker			OR	Private Detective
<b>S</b>			AP Statistics	Mating Spanker			CTE Internship	and Investigator
				AD Connich London				<ul> <li>Sheriff and Deputy Sheriff</li> </ul>
ONDER CHES				and Culture				Attorney
Credentialing		S/P2 Pollution Prote	S/P2 Pollution Protection, S/P2 Automotive Service Safety, ASE Maintenance & Light repair, ASE Brakes, ASE Electrical/ Electronic, Conover	afety, ASE Maintenance 8	k Light repair, ASE Brakes, A	SE Electrical/ Electroni	ic, Conover	
Dort Cocondan		Automotive Manage	USE CONTRACTOR OF THE PROPERTY		COS manufact of the state of	VCCO350307	with Entering Debug	WCD000000000000000000000000000000000000
Post-Secondary		Automotive Manag	Automotive Management Pathway (SCC (C60160HS)),		Automotive C-1 ech Certificate Pathway (SCC (C60160HZ)), Automotive Fabrication Pathway (SCC (C60130HZ))	(C60160H2)), AUTOMIC	otive Fabrication Patriw	ay (SCC (Cb0130HZ))

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Secondary Post-



### 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.

to assist s	tudent	is with understanding	to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.	irse patnways, and gradua	ation requirements.			
					Social Studiae/	Other Required	Career and Technical	
				Science	Sciences	Courses	Courses	Occupations
ite:	әрі	English/	Math			Other Electives	and/or	Relating to
əŋ onp:	e19	Language Arts		World Language	Health & Physical	Recommended	Degree Major	This
3				0	Education	Electives	Courses for Barbering Services	Pathway
							Pathway	
			Int	Interest Inventory Administe	Inventory Administered and Plan of Study Initiated for all Learners	ed for all Learners		
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	◆ Barber
<b>*</b>		English I HN	NC Math II	Science	World History HNS	should meet local		<ul> <li>Cosmetologist, Hairdresser</li> </ul>
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		and Hairstylist
)			Introduction to	Science HN	Modern	school graduation		Electrologist
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>Electrolysis Technician</li> </ul>
	$\uparrow$				Health and PE	college entrance		• Embalmer
	10	English II	NC Math II	Physical Science	American History	requirements.	Barbering I	Esthetician
		English II HN	NC Math III	Chemistry I	American History I	Certain local		Exercise Physiologist
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		Funeral Attendant
			NC Math I OCS	Physics HNS	American History II	organization		<ul> <li>Funeral Director</li> </ul>
					American History II HNS	activities are also		Home Care Aide
					Economics and	important		Massage Therapist
٨					Personal Finance OCS	including public		<ul> <li>Mortician</li> </ul>
'A	11	English III	NC Math III	Biology	AP US History	speaking, record	Barbering II	<ul> <li>Nail Technician, Manicurist</li> </ul>
Υ		English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-		and Pedicurist
اه		AP Enelish	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		Personal Aide
N		Language and	Discrete Math for	Credits)		experiences.		Personal Fitness Trainer
00		Composition	Computer Science HN	Biology OCS				◆ Shambooer
Ε		(compts	Pro-Calculus HN	000 60000				Skin Care Specialist
S		counts or Coulish III)	A Concentration					
		Enelish III OCS	Financial Management OCS					
	12	English IV	NC Math IV	Spanish I	Economics and		Barbering III	
		English IV HN	Discrete Math for	Spanish II	Personal Finance			
		AP English	Computer Science HN	Spanish III HNS	Economics and		Apprenticeship	
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS			
,		Composition	AP Calculus AB	Spanish I – Native			000	
7		Eligiisii iy oca	AP Statistics	Speaker HNS Spanish II –			Cosmetoloev	
				Native Speaker				
Oranging Space				AP Spanish Language				
Contractor	- In	House 1500 Bro An		allo coltole				
Credentialing	allug	Hours 1528, Pre-Ap	Hours 1528, Pre-Apprenticesnip, Conover					
Post-		Entrepreneurship P	Entrepreneurship Pathway (SCC (C25120H3))					

## Career Pathw

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



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 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

	-	counselor is the be	counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements	th understanding schedul	ing, pre-requisites, course p	athways, and graduat	tion requirements.	
noite slav	əp	English/ Language	***11	Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or	Occupations Relating to
	era0	Arts	E REM	World Language	Health & Physical Education	Recommended Electives Learner Activities	Courses for Biomedical Technology	This Pathway
)	ď		Interes	t Inventory Administered	Interest Inventory Administered and Plan of Study Initiated for all Learners  Noted Unions	or all Learners	And the second second	& Animal Samiras Tarbairian
űη.	6	English I HN	NC Math II	Science	World History HNS	should meet local	Career Wanagement	<ul> <li>Animal Services Technologist</li> </ul>
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		Data Entry Clerk
þ			Introduction to	Science HN	Modern	school graduation		<ul> <li>Lab Assistant-Genetics</li> </ul>
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>Lab Technician</li> <li>Maintenance and Instrument</li> </ul>
					Health and PE	college entrance		Inchaire and instrument     Tochoician
	10	English II	NC Math II	Physical Science	American History	requirements.	Health Science I	Process Technician
		English II HN	NC Math III	Chemistry I	American History I	Certain local		Ouality Assurance Technician
		English II OCS	NC Math III HN	Chemistry I HN	American History I HNS	student		Quality Control Technician
			NC Math I OCS	Physics HNS	American History II	organization		<ul> <li>Biochemist Bioinformatics</li> </ul>
					American History II HNS	activities are also		Associate Bioinformatics
					Economics and	important		Scientist
ΥŞ					Personal Finance OCS	including public		<ul> <li>Bioinformatics Specialist</li> </ul>
4₽	11	English III	NC Math III	Biology	AP US History	speaking, record	Biomedical	<ul> <li>Biomedical Chemist</li> </ul>
'n		English III HN	NC Math IV	Biology HN	Civic Literature	keeping and work-	Technology	Biostatistician
N		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		<ul> <li>Cell Biologist</li> </ul>
0:		Language and	Discrete Math for	Credits)		experiences.		<ul> <li>Clinical Trials Research</li> </ul>
DΞ		Composition	Computer Science HN	Biology OCS				Associate
IS		(counts	Pre-Calculus HN					<ul> <li>Olinical Trials Research</li> </ul>
		as English III)	AP Statistics					Coordinator
		English III OCS	Financial Management OCS					Microbiologist
	12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced Studies	Molecular Biologist
		English IV HN	Discrete Math for	Spanish II	Personal Finance		OR	Pharmaceutical Scientist
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship	Segulatory Affairs Specialist
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		OR	A Research Assistant
		Composition	AP Calculus AB	Spanish I – Native			CTE Internship	Research Associate
***		English IV OCS	AP Calculus BC	Speaker UNS Spanish II –			Nurse Aide	<ul> <li>Research Scientist</li> </ul>
2			AP Statistics	Native Speaker				Toxicologist
				AP Spanish Language			200	
Charles Connection	38			and Culture			CMAA, EKG, Pharmacy Tech, Nurse Aide	
Credentialing		First Aid, Conover						
Post-Secondary	>	Introduction to Med	Introduction to Medical Laboratory Technology Parhway (SCC (C45420HS)) Allied Health Parhway (SCC (C45830H2)) Nurse Aid Parhway Nurse Aide (SCC (C45840HS))	thway (SCC (C45420HS)	1 Allied Health Pathway (	CC (C45630H2)\ N	rce Aid Pathway Nirce Ai	ide (SCC (C45840HS))

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.

				Social Studies/	Other Required	*Career and Technical	
			Crience	Crimen	Courses	Courses	Occupations
ap slav	English/ Language	***	Science	Sciences	Other Electives	and/or	Relating to
real	Arts	Math	W. dallan	Harate & Managara	Recommended	Degree Major	This
			world Language	realth & Physical Fducation	Electives	Courses for	Pathway
					Learner Activities	Carpentry Career Pathway	
		Interest	Inventory Administered	Inventory Administered and Plan of Study Initiated for all Learners	for all Learners		
9 6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	Carpenter
	English I HN	NC Math II	Science	World History HNS	should meet local		Code Official
	English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Concrete Finisher</li> </ul>
)		Introduction to	Science HN	Modern	school graduation		<ul> <li>Construction Engineer</li> </ul>
		Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>Construction Foreman/Manager</li> </ul>
				Health and PE	college entrance		<ul> <li>Construction Inspector</li> </ul>
10 E	English II	NC Math II	Physical Science	American History	requirements.	Construction Core	Contractor Contractor
	English II HN	NC Math III	Chemistry	American History I	Certain local		Design builder     Design builder
ш	English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student	Carpentry I	Electrician
		NC Math I OCS	Physics HNS	American History II	organization		<ul> <li>Electronic Systems Technician</li> </ul>
				American History II HNS	activities are also		Sequipment and
				Economics and	important		Material Manager
λ.				Personal Finance OCS	including public		General Contractor/Builder
11	English III	NC Math III	Biology	AP US History	speaking, record	Carpentry II	<ul> <li>Heating, Ventilation, Air</li> </ul>
	English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-		<ul> <li>Conditioning and</li> </ul>
	AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based	Carpentry III	Refrigeration
	Language and	Discrete Math for	Credits)		experiences.		Mechanic
	Composition	Computer Science HN	Biology OCS				• Mason
	counts	Pre-Calculus HN	i				Painter
	as English III)	AP Statistics					Paperhanger
	English III OCS	Financial Management OCS					Plumber
12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced	<ul> <li>Project Estimator</li> </ul>
	English IV HN	Discrete Math for	Spanish II	Personal Finance		Studies OR	* Project Inspector
4	AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship	<ul> <li>Project Manager</li> </ul>
	Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS			* Koorer
	Composition	AP Calculus AB	Spanish I – Native			CTE Internship	Short Most Worker
•	English IV OCS	AP Calculus BC	Speaker			SCC	Sheet Metal Worker
(		AP Statistics	HNS Spanish II –			Electrical	Specialty Contractor
			Native Speaker			Plumbing	Tile and Markle Cotton
			AP Spanish Language			HVAC	The affu Marbie Setter
Champa Care			and Culture			Robotics	
Credentialing	SHA 10-Hour Const	OSHA 10-Hour Construction Industry, NC NCCER Construction-Core, NCCER Carpentry I, NCCER Carpentry II, NCCER Carpentry III, Conover	truction-Core, NCCER Car	rpentry I, NCCER Carpentry	II, NCCER Carpentry II	I, Conover	
2	rchitectural Techno	Architectural Technology Pathway (SCC (C40100H3)).	Residential Construction	Residential Construction Pathway (SCC (C40100HS)), Commercial Construction Pathway (SCC (C40100H2))	Commercial Construc	ction Pathway (SCC (C401)	00H2))

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

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 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 and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.



	ə	English/Language		Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or		Occupations Relating to
vaJ	DE12	Arts	Math	World Language	Health & Physical Education	Recommended Electives Learner Activities	Degree Major Courses for Computer Science Principles Pathway		This Pathway
			Interest		nventory Administered and Plan of Study Initiated for all Learners	for all Learners			
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management		Applications Analyst
<b>Y</b>		English I HN	NC Math II	Science	World History HNS	should meet local		•	Applications Engineer
2		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		•	Business Analyst
þ		,	Introduction to	Science HN	Modern	school graduation		<b>*</b>	Computer Engineer
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		•	Data Modeler
					Health and PE	college entrance		•	Game Developer
	10	English II	NC Math II	Physical Science	American History	requirements.	Computer Science I	> <	Operating system Designer/
		English II HN	NC Math III	Chemistry I	American History I	Certain local		> 4	Criginates Departum Manager
		English II OCS	NC Math III HN	Chemistry I HN	American History I HNS	student		· 4	Program Ivaliage
			NC Math I OCS	Physics HNS	American History II	organization		• 4	Opportunity Applicat
					American History II HNS	activities are also		• •	Project Lead
					Economics and	important		*	Software Applications Specialist
٧٤					Personal Finance OCS	including public		*	Software Applications Tester
Ι¥	11	English III	NC Math III	Biology	AP US History	speaking, record	Computer Science II	•	Software Design Engineer
ď		English III HN	NC Math IV	Biology HN	Civic Literature	keeping and work-		*	Systems Administrator
N		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		*	Systems Analyst
0		Language and	Discrete Math for	Credits)		experiences.		*	Test Engineer
DΞ		Composition	Computer Science HN	Biology OCS				<b>.</b>	Tester
IS		(counts	Pre-Calculus HN	i				•	Communications Analyst Data
		as English III)	AP Statistics					*	Communications Analyst
		English III OCS	Financial Management OCS					- *	Information Systems
	12	English IV	NC Math IV	Spanish I	Economics and		AP Computer Science		Technology Engineer
		English IV HN	Discrete Math for	Spanish II	Personal Finance		OR	÷	Network Administrator
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Advanced Studies	÷	Network Architect Network
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		OR	•	Engineer Network Manager
		Composition	AP Calculus AB	Spanish I – Native			CTE Apprenticeship	~	Network Operations Analyst
		English IV OCS	AP Calculus BC	Speaker			OR .	~	Network Security Analyst
<b>§</b>			AP Statistics	HNS Spanish II –			CTE Internship		Network Specialist Network
7				AP Spanish Language				۰ ‹	Lechnician Network Transport
Charles Inc.				and Culture				• •	Fugineer Systems Support
Cradentialing		Conover							
Silingilling		i i i i i i i i i i i i i i i i i i i							
Post-Secondary	_	Computer Engineer	Computer Engineering Security Pathway (SCC (C40160H5)), Computers C# Programming Pathway (SCC (C25590H2))	0160H5)), Computers C#	<ul> <li>Programming Pathway (5)</li> </ul>	(CZ5590HZ))			



### Dental Science Career Pathway Career Pathway Plan of Study

Learning that works for North Carolina

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.

	əpe	English/ Language	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or	Occupations Relating to
	ap	Arts		World Language	Health & Physical Education	Recommended Electives Learner Activities	Degree Major Courses for Dental Sciences Pathway	This Pathway
			Int	Interest Inventory Administe	st Inventory Administered and Plan of Study Initiated for all Learners	ted for all Learners		
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	Dental Assistants
		English I HN	NC Math II	Science	World History HN	should meet local		<ul> <li>Health Technologists</li> </ul>
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Licensed Practical Nurse</li> </ul>
)			Introduction to	Science HN	Modern	school graduation		<ul> <li>Ucensed Vocational Nurse</li> </ul>
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>Kadiologic Lechnologist</li> <li>Dental Hveienists</li> </ul>
					Health and PE	college entrance		S Endoscook Tachairisas
	10	English II	NC Math II	Biology	American History	requirements.	Dental Sciences I	◆ Medical Assistants
		English II HN	NC Math III	Biology HNS	American History I	Certain local		Onhthalmic Medical Technicians
		English II OCS	NC Math III HN	AP Biology w/Lab (2	American History I HNS	student		Surgical Assistants
			NC Math I OCS	Credits)	American History II	organization		
				Biology OCS	American History II HNS	activities are also		
,					Economics and	important		
R					Personal Finance OCS	including public		
ı	11	English III	NC Math III	Physical Science	AP US History	speaking, record	Dental Sciences II	
a		English III HN	NC Math IV	Chemistry I	Civic Literature	keeping and work-		
N		AP English	NC Math IV HN	Chemistry I HNS	Civic Literature HNS	based		
0		language and	Discrete Math for	Physics HNS		experiences.		
ο:	_	Composition	Computer Science HN			•		
ıs		Composition	Pre-Calculus HN					
		as English III)	AP Statistics					
		English III OCS	Financial Management OCS					
	12	English IV	NC Math IV	Spanish I	Economics and		Dental Sciences III	
		English IV HN	Discrete Math for	Spanish II	Personal Finance			
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Advanced	
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		Studies	
,		Composition	AP Calculus AB	Spanish I – Native	Civics/Economics OCS		CTE Apprenticeship	
		English IV OCS	AP Calculus BC	Speaker			OR	
			AP Statistics	Native Speaker			CTE Internship	
				AP Spanish Language				
Charles a Cata				and Culture				
Credentialing	ialing	Conover						
Post-								
Secondary	ary							



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



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 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 and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

	1							,
noizeoub∃ LeveJ	Grade	English/Language Arts	Math Interest In	Science World Language	Social Studies/ Courses Science Sciences Other Requ World Language Health & Physical Elective. Education Learner Acti	ired ives ded s vities	*Career and Technical Courses and/or Degree Major Courses for Culinary Arts	Occupations Relating to This Pathway
	6	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	Career Management	<ul> <li>Catering and Banquets Manager</li> <li>Executive Chef</li> <li>Food and Beverage Manager</li> <li>General Manager</li> <li>Kitchen Manager</li> </ul>
гесоирьку	11	English II English II OCS English III OCS English III HN AP English Language and Composition (counts as English III) English III OCS	NC Math II NC Math III NC Math III HN NC Math IOCS NC Math IV NC Math IV COMputer Science HN Pre-Calculus HN AP Statistics Financial Management OCS	Physical Science Chemistry I Chemistry I HNS Physics HNS 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 AP US History Civic Literature Civic Literature HNS	requirements. Certain local student organization activities are also important including public speaking, record keeping and work- based experiences.	Culinary Arrs & Hospitality I Culinary Arrs & Hospitality II Applications Culinary Arrs & Hospitality III	Restaurant Owner Services Manager Baker Baker Bartender Brewer Pastry and Specialty Chefs Restaurant Server Wine Steward Banquet Server Banquet Server Banquet Server Cocktail Server Host Host Lincocktail Server
-D	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 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	<ul> <li>❖ Restaurant Server</li> <li>❖ Room Service Attendant</li> </ul>
Credentialing		ANSI-Accredited Food Pr	ANSI-Accredited Food Protection Manager Preprofessional Assessment and Certification in Culinary Arts, Conover	sment and Certification in Culi	nary Arts, Conover			
Post-Secondary	_	Introduction to Baki	Introduction to Baking & Pastry Pathway (SCC (C55130HS)), Introduction to Culinary Arts Pathway (SCC (C55150HS))	0HS)), Introduction to Cu	linary Arts Pathway (SCC (C	55150HS))		

### Career planning planning and can can

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

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 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 and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

	əj	English/ Language		Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or	Occupations Relating to
educa Lev	oe10	Arts	Math	World Language	Health & Physical Education	Recommended Electives Learner Activities	Degree Major Courses for Digital Design and Animation Pathway	This
			Interest in	t Inventory Administered	ventory Administered and Plan of Study Initiated for all Learners	for all Learners		
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	Animator
*		English I HN	NC Math II	Science	World History HNS	should meet local		Art Director
2		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		• Artist
)			Introduction to	Science HN	Modern	school graduation		Commercial Artist
			Math I OCS	Applied Science OCS	Civic Literature OCS Health and PE	requirements and college entrance		<ul> <li>Commercial Protographer:</li> <li>Digital, Still, Video, Film</li> </ul>
	10	English II	NC Math II	Physical Science	American History	requirements.	Digital Design and	Commercial/Residential and
	2	English II HN	NC Math III	Chemistry I	American History I	Certain local	Animation I	nome  Furnishing Coordinator
		English II OCS	NC Math III HN	Chemistry I HN	American History I HNS	student		Computer Animator
			NC Math I OCS	Physics HNS	American History II	organization		<ul> <li>Curator and Gallery Manager</li> </ul>
					American History II HNS	activities are also		Fashion Designer
,					Economics and	important		Fashion Illustrator
R)					Personal Finance OCS	including public		Graphic Designer
٧	11	English III	NC Math III	Biology	AP US History	speaking, record	Digital Design &	<ul> <li>Illustrator</li> </ul>
an		English III HN	NC Math IV	Biology HN	Civic Literature	keeping and work-	Animation II	Interior Designer
VC		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		<ul> <li>Textile Designer</li> </ul>
כס		Language and	Discrete Math for	Credits)		experiences.		
)E		Composition	Computer Science HN	Biology OCS				
s		(counts	Pre-Calculus HN					
		as English III)	AP Statistics					
		English III OCS	Financial Management OCS					
	15	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced Studies	
		English IV HN	Discrete Math for	Spanish II	Personal Finance		CTE Apprenticeship	
		AP English	Computer Science HN	Spanish III HNS	Economics and		O.S.	
		Literature and	Pre-Calculus HN	Spanish IV HIVS	Personal Finance HNS		CTE Internship	
		Composition	AP Calculus AB	Spanish I – Native				
7		English IV OCS	AP Calculus BC	Speaker				
			AP Statistics	Native Speaker				
The state of the s				AP Spanish Language and Culture				
Credentialing		Conover 3Ds MAX Certified	ertified					
			(terreserve) each	1000	110			

	SECONDARY  Career P planning and care a	Career Pathway Plan planning materials, a and career goals. The Arts Arts English   HN English   H English   H Counts as English   H English   V English	Career Pathway Plan of Study' (based on the Tamporation Operations Pathway of the Tamporation, Distribution and Logistics Career Cluster) can see as a guida, allow planning materials, at Series and the Course and Courses a	Career Pathway Plan of Study tration Operations Pathway of the Transportation, Distribution source to assist students with understanding scheduling, pre-reg Science World Language Recommended could science of Sciences World History Science HN Applied Science OCS Biology HN Applied Science OCS Biology HN Applied Science OCS Biology W/Lab (2 American History I HNS Biology OCS Chemistry I HN Spanish II Spanish II Spanish II Spanish II Spanish II Speaker HNS Spanish II Native Speaker HNS Spanish II Speaker HNS Spanish II Speaker HNS Spanish II Speaker HNS Spanish II Speaker	Science Science Order Standards with understanding scheduling, pre-requisions standards with understanding scheduling, pre-requisions standards with understanding scheduling, pre-requisions science world Language Earth/Environmental World History Hord Hord History Hord Hord History Hord Hord Hord Hord Hord Hord Hord Hord	istribution and Logistii nended coursework ar nended coursework ar Courses Other Electives Recommended Electives Recommended Electives 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.	cs Career Cluster) can served should be individualized urse pathways, and gradus and or begree Major Courses for Drone Technology Pathway  Drone Fundamentals  Drone Technology II  Drone Technology II  CTE Advanced Studies CTE Advanced Studies CTE Apprenticeship OR CTE Internship	Contract of Course   Course
	Opposite Date Control			AP Spanish Language and Culture				
	00			and Culture				
		Trust, 14 CFR Pa	art 107 UAS Remote Pilot License,	, NCDOT NC UAS Operato	rs Permit, NFPA 2400, Cono	wer		
		Ifust, 14 orn re	art 107 das nemote nitot dicerise,	NUDDI NU DAS Operato	IS Permit, INFFA 2400, COIN	wer		
Dant Carradam.		Andrew Andrew	000)	Wallacter !!	Art Dellar Dellar	Wellogenoon cool		
Post-Secondary Introduction to Aviation Management Pathway (SCC (C60180HS)), Introduction to Professional Pilot Pathway (SCC (C60180H2))	Post-Secondary	duction to Avia	ition Management Pathway (SCC (	(C60180HS)), Introduction	to Professional Pilot Pathy	Nav (SCC (C60180H2))		

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# Emergency Management Career Pathway (EMMG)

# Career Pathway Plan of Study

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 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 with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Project   Proj	with und	derstand	ding scheduling, pre-re	with understanding scheduling, pre-requisites, course pathways, and graduation requirements	aduation requirements.				
Figure   Artistation   Courses and or Courses and								Career and	
Figish   Language   Math   Language   Math   Language   Math   Language   Math   Language   Langu							Other Required	Technical	
Figure   Incommended   Physical Science   Physica					Crimero	Social Studies/ Sciences	Courses	Courses and/or	Occupations
Project   Proj		əţ	English/ Language		Science		Other Electives	Degree Major	Relating to
English   NC Math   Entry/Environmental   World History   No Chath   Entry/Environmental   World History   Modern   NC Math   Entry/Environmental   A World History   All plans of study   All plans		ıeı	Arts	Math		Health & Physical	Recommended	Courses for	This
Figilish I		9			World Language	Education	Electives	Emergency	Pathway
English   NC Math   Early Environmental   World History   Management   Science HN   Chemistry   Management   Science HN   Chemistry   Management   Science HN   Chemistry   Management   Science HN   Chemistry   Management   Management   Chemistry   Management   Manag							Learner Activities	Management	
Finglish III								Pathway	
9 English I NK Math I NK Math I English INN NK Math I NK Math					Interest Inventory Administ	ered and Plan of Study Initiat	ed for all Learners		
English HNN NC Math II NC Modath II NC Science Monder History HN should meet local monder control of Earth/Ferrormental A World History Scholage and Cartain II NC Math II NC Ma	3	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	
Finglish   OCS   NC Math   IHN   Earth, Environmental   AP World History: School graduation   AP World History: School graduation   AP World History: School graduation   AP World History   American History   Certain local   AP Modem   Chamitry   American History   Modem   AP Chamitry   American History   Certain local   AP Chamitry   American History   Certain local   AP Chamitry   American History   Ap Chamitry   AP Chamitr	W	1	English I HN	NC Math II	Science	World History HN	should meet local	1	<ul> <li>Fire Investigators</li> </ul>
10 Engish II NO Math I			English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		❖ Police Officer
10   Engitsh II   NC Math II   Chemistry   Requirements and Engine entrance   Composition   Computer Science   Math II   Composition   Computer Science   Math II   Spanish II   Math IV   Math IV   Math IV   Spanish II   Math IV	þ		,	Introduction to	Science HN	Modern	school graduation		
10 English II NC Math II NC Math III NC Math II NC Math III NC Math II NC Math III NC Math II NC Ma				Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		Patrol Officers
10         English II N NC Math II NC Math III N NC Math IV N N NC Math IV N NC Math IV N NC Math IV N N N NC Math IV N N N N N N Math IV N N N N N N N N N N N N N N N N N N						Health and PE	college entrance		<ul> <li>Emergency Management</li> </ul>
Country   NC Math   II N		10	English II	NC Math II	Physical Science	American History	requirements.	Public Safety I	Directors
11   English II   OCS   NC Mach III   HN		2	English II HN	NC Math III	Chemistry I	American History I	Certain local		<ul> <li>Business Compliance Managers</li> </ul>
11 Engish III NC Math I LOCS HNS American History II I Math I LOCA Machine Biology HNS Engish III NC Math III NC Math III Biology HNS Engish III NC Composition Composition Composition Composition Composition Composition Composition Composition Composition Discrete Math for NC Math IV NC Math IV NC Math IV NC Math IV NC Composition Spanish II HNS Spanish III HNS Spanish I			English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		Forest Fire Inspectors
11 English III NC Math III Biology RMS Economics and Personal important including Economics and Personal important including Finance OCS Penglish III NC Math IV HN Biology MAS Civic Literature HNS experiences.  12 English III NC Math IV HN Biology MAS Civic Literature HNS experiences.  13 English III NC Math IV HN Biology MAS Civic Literature HNS experiences.  14 English III NC Math IV HN Biology OCS Civic Literature HNS experiences.  15 English III OCS Financial Management OCS Financial Management OCS Financial Management OCS Spanish II HNS Economics and Personal English IV HN Discrete HN Spanish II HNS Economics and Personal Composition AP English IV OCS AP Calculus BC Spanish II II HNS Finance HNS Composition AP Calculus BC Spanish II II Native Composition AP Statistics Spanish II II HNS Finance HNS Composition AP Statistics Spanish II II Native Composition AP Statistics Spanish II II Native Composition AP Statistics Spanish II II Native AP English IV OCS AP Statistics Spanish II II Native Composition AP Statistics Spanish II II Native AP English IV OCS AP Statistics AP Spanish II II Native AP English IV OCS AP Statistics AP Spanish II II Native AP English IV OCS AP Statistics AP Spanish II II Native AP English IV OCS AP Statistics AP Spanish II II Native AP English IV OCS AP Statistics AP Spanish II			,	NC Math I OCS	Physics HNS	American History II	organization		Forest Fire Prevention Specialis
11 English III NC Math III Biology WIS Composition Composition AP English III NC Math IV HN AP Biology WIS Composition Composition Composition AP Statistics AP English III NC Math IV HN Composition AP Statistics English III NC S AP Calculus AB Spanish II N Composition AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP English IV OCS AP Calculus AB Spanish II N AP Statistics AP Spanish II N AP Spanish II						American History II HNS	activities are also		Health and Safety Engineers
### Propriet No. Marth III No. Marth IV No. Marth						Economics and Personal	important including		<ul> <li>Information Security Engineers</li> </ul>
11         English III         NC Math III         Biology HNS         AP US History         record keeping and AP used in the Management I         Rengingent II         **           AP English III HN         NC Math IV HN         AP Biology W/Lab (2 Civic Literature HNS appring and AP English III VHN by Composition         Computer Science HN and for Ceedits)         Civic Literature HNS appring and Personal         **         **           12         English III OCS Financial Management OCS Spanish II Finance AP Calculus HN Spanish II NHN Finance HNS Composition         Economics and Personal Computer Science HN Spanish II NHN Finance HNS Composition         CTE Advanced Studies AP Calculus AP Calculus AB Spanish II NHN Spanish II	,					Finance OCS	public speaking,		Loss Prevention Managers
Fugish III HN NC Math IV HN AP Biology WLab (2 Civic Literature HNS composition Computer Science HN Biology OCS Figure HNS Spanish II – Native Composition AP Calculus BC Speaker AP Spanish Language HNS Figure HNS Spanish II – Native Figure HNS Figure HNS Figure HNS Figure HNS Spanish II – Native Figure HNS Spanish Linguage and Culture Figure HNS Figu	В	11	English III	NC Math III	Biology	AP US History	record keeping and	Emergency	❖ Management Analysts
AP English Composition Computer Science HN Biology W(Lab (2 Civic Literature HNS) experiences.  Composition Computer Science HN Biology OCS  Composition Pre-Calculus HN Biology OCS  Composition AP Statistics  English III OCS Financial Management OCS Spanish II Finance HNS Computer Science HN Spanish II HNS Economics and Personal CITE Advanced Studies CTE English IV NC Math IV Spanish II HNS Finance HNS Composition AP Calculus HN Spanish II - Native Civics/Economics OCS AP Statistics  Composition AP Calculus BC Spanish II - Native Civics/Economics OCS AP Statistics Speaker AP Spanish Language and Culture AP Spanish Language and Culture AP Spanish Language AP Statistics Speaker AP Spanish Language AP Statistics Speaker AP Spanish Language	٨	1	English III HN	NC Math IV	Biology HNS	Civic Literature	work-based	Management I	<ul> <li>Occupational Health and Safet</li> </ul>
Language and Discrete Math for Credits)  Composition Computer Science HN Biology OCS  (counts Pre-Calculus HN AP Statistics English III) OCS Financial Management OCS Financial Management OCS  English III OCS Financial Management OCS Financial Financial Management OCS Fin	a		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	experiences.	0	Specialist
Composition   Computer Science HN   Biology OCS	N		bor opening in	Discrete Math for	Credite)		-		
12 English III OCS Financial Management OCS Fi	0:		Composition	MH operation of the MH	Signal Office				
as English III) AP Statistics English III OCS Financial Management OCS Spanish I English IV MN Discrete Math for Spanish II MNS Economics and Personal Spanish II MNS Computer Science HN Spanish II HNS Finance HNS Spanish IV HNS Spanish II – Native Speaker AP Spanish II – Native Speaker AP Spanish Language and Culture AP Spanish Language AP Span	οΞ		nonisodino.	computer science niv	piology ocs				
English III OCS Financial Management OCS Finance	ıs		(counts	Pre-Calculus HIN					
12 English III OCS Financial Management OCS English IV NC Math IV Spanish II Finance English IV HN Discrete Math for Spanish II Finance AP English IV HN Spanish II HNS Fonomics and Personal Spanish II HNS Finance HNS Spanish II HNS Finance HNS Spanish II Nocs AP Calculus AB Spanish II Native Civics/Economics OCS Speaker English IV OCS AP Statistics Spanish II Native AP Spanish Language AP Spanish Langua			as English III)	AP Statistics					
## English IV NC Math IV Spanish II Economics and Personal Spanish II Finance    Regular			English III OCS	Financial Management OCS					
English IV HN Discrete Math for Spanish II Finance AP English IV OCS AP Calculus BC Spanish II – Native English IV OCS AP Statistics Spanish Language and Culture AP Spanish Language and Culture and AP Spanish II – Native Spanish Language and Culture AP Spanish Language and Culture		12	English IV	NC Math IV	Spanish I	Economics and Personal		CTE Advanced Studies	
AP English Computer Science HN Spanish III HNS Composition Composition English IV OCS AP Statistics AP Statistics AP Spanish II – Native Speaker AP Spanish Language and Culture and Culture AP Spanish Language			English IV HN	Discrete Math for	Spanish II	Finance		CTE Apprenticeship	
Literature and Pre-Calculus HN Spanish IV HNS Finance HNS Composition AP Calculus AB Spanish I – Native Civics/Economics OCS English IV OCS AP Calculus BC Speaker HNS Spanish II – Native Speaker Speaker AP Spanish II – Native Speaker and Culture and Culture AP Spanish Language and Culture AP Spanish Language and Culture AP Spanish Language and Culture			AP English	Computer Science HN	Spanish III HNS	Economics and Personal		OR	
English IV OCS AP Calculus BC Speaker AP Statistics AP Speaker HNS Spanish II – Native Speaker AP Statistics Speaker Speaker AP Spanish Language and Culture AP Spanish Language and Culture			Literature and	Pre-Calculus HN	Spanish IV HNS	Finance HNS		CTE Internship	
AP Statistics			Composition	AP Calculus AB	Spanish I – Native	Civics/Economics OCS			
AP Statistics AP Statistics AP Statistics AP Statistics AP Statistics AP Statistics	•		English IV OCS	AP Calculus BC	Speaker				
intialing NC Emergency Management I, NIMS, Law & Public Safe	3			AP Statistics	HNS Spanish II - Native				
intialing NC Emergency Management I, NIMS, Law & Public Safe					Speaker				
intialing NC Emergency Management I, NIMS, Law & Public Safe	3				AP Spanish Language				
ntialing NC Emergency Management I, NIMS, Law & Public Safety	CONTRACTOR CALLS	<b>a</b> l -			and Culture				
,	Credent	ialing	NC Emergency Man	agement I, NIMS, Law & Public Sar	fety, Conover				
	t	9	,						

Secondary

## Entrepreneurship Career Pathway (ENTRE) Career Pathway Plan of Study



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 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 and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

### Car

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

(CTE description of the sector of the sector

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 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 school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

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Simulation & Gaming Pathway (SCC (C25450HS)), Digital Media Pathway (SCC (C25210HS)), Web Design Pathway (SCC (C25210H2))

Post-Secondary

### Career Pathw continue on a counselor is th

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

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 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 counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

noite elec	әр	English/ Language	1	Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or	Occupations Relating to	
	e10	Arts	5 2 2	World Language	Health & Physical Education	Recommended Electives Learner Activities	Courses for Healthcare Professional Pathway	This Pathway	
			Interest In		ventory Administered and Plan of Study Initiated for all Learners	for all Learners			
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	<ul> <li>Cardiovascular Technologist</li> </ul>	ologist
<b>*</b>		English I HN	NC Math II	Science	World History HNS	should meet local		<ul> <li>Central Supply Technician</li> </ul>	cian
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Clinical Lab Technician</li> </ul>	_ }
)			Introduction to	Science HN	Modern	school graduation		<ul> <li>Computer Tomography (CT)</li> </ul>	ıγ (CT)
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		Technologist	
			1		Health and PE	college entrance		<ul> <li>Diagnostic Medical Sonographer</li> </ul>	nographer
	10	English II	NC Math II	Physical Science	American History	requirements.	Health Science I	<ul> <li>Electrocardiographic (ECG)</li> </ul>	ECG)
		English II HN	NC Math III	Chemistry I	American History I	Certain local		* leconician	(0.40)
		English II OCS	NC Math III HN	Chemistry I HN	American History I HNS	student		<ul> <li>Midgineur nesoniarice (ivin)</li> <li>Technologis</li> </ul>	(MIN)
		,	NC Math I OCS	Physics HNS	American History II	organization		* lecunologist	
					American History II HNS	activities are also		• Mammographer	
					Don stimonous	important		<ul> <li>Nuclear Medicine Technologist</li> </ul>	nnologist
,					Economics and	important		<ul> <li>Pathology Assistant</li> </ul>	
()					Personal Finance OCS	including public		Phlebotomist	
IA	11	English III	NC Math III	Biology	AP US History	speaking, record	Health Science II	Positron Emission Tomography	nography
ď		English III HN	NC Math IV	Biology HN	Civic Literature	keeping and work-		<ul> <li>(PET) Technologist</li> </ul>	
N		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		Radiologic Technologist/	st/
0		Language and	Discrete Math for	Credits)		experiences.		Radiographer	
οΞ		Composition	Computer Science HN	Biology OCS				<ul> <li>Cytogenetic Technologist</li> </ul>	ogist
IS		(counts	Pre-Calculus HN					Cytotechnologist	
		as English III)	AP Statistics					<ul> <li>Exercise Physiologist</li> </ul>	
		English III OCS	Financial Management OCS					Geneticist	
	12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced Studies	Medical Technologist/Clinical	t/Clinical
		English IV HN	Discrete Math for	Spanish II	Personal Finance		OR	<ul> <li>Laboratory Scientist</li> </ul>	
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship	<ul> <li>Nutritionist Pathologist</li> </ul>	ist
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		OR	Radiologist	
		Composition	AP Calculus AB	Spanish I – Native			CTE Internship		
-		English IV OCS	AP Calculus BC	Speaker			205		
S			AP Statistics	HNS Spanish II –			CMAA, EKG, Pharmacy		
				Native Speaker			Tech, Nurse Aide		
Opposite Section	-			AP Spanish Language					
IORECONTO CO.	2			and Culture					
Credentialing		First Aid Basis Life C	First Aid Basic Life Support Stop the Bleed INC Nurse A	Aid I Conover OSHA					

Allied Health Pathway (SCC (C45630H2)), Nurse Aid Pathway Nurse Aide (SCC (C45840HS)), Introduction to Health & Fitness Science Pathway (CSS (C45630HS)) First Aid, Basic Life Support, Stop the Bleed, NC Nurse Aid I, Conover, OSHA Post-Secondary Credentialing

### Carr

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

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 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 and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

Science   Course									
Comparison   Com						Control Countine/	Other Required	*Career and Technical	
Perfective   Per						social studies/	Courses	Courses	Occupations
Pergish   No. Math   Regish   No. Math		əр	English/ Language	Mank	Science	ociences	Other Electives	and/or	Relating to
Projective   Pro		ená	Arts	mem			Recommended	Degree Major	This
Particle	23	)			World Language	Health & Physical	Electives	Courses for	Pathway
Finglish II NC Math II Schene Mord History HIS Finglish II NC Math II Schene Mord History HIS Finglish II NC Math II Schene OCS Give Literature CSS College entrance Finglish II NC Math II						Education	Learner Activities	Food and Nutrition	
Pergish I								Pathway	
Pagish   NC Math   Earth/Environmental World History   Should meet local Engish   NC Math   Earth/Environmental A World History   Should meet local   Science   NC Math   NC M				Interes		and Plan of Study Initiated J	for all Learners		
Figilish I HN	W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	◆ Caterer
Figlish I I I I I I I I I I I I I I I I I I I			English I HN	NC Math II	Science	World History HNS	should meet local		<ul> <li>Catering and Banquets Manager</li> </ul>
The figure of the control of the c	2		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Executive Chef</li> </ul>
10 Engish II NC Math II CS Applied Science CCS Civic Literature CCS college entrance CCI Figure 1 II NC Math II CS NC Math III NC Math II CA Martical Science American History I Certain local College entrance CCI CA Martical Science Marcican History II HNS American History II HNS AP English II NN C Math IV MA PROJUCE CONTINCT AND COMPUTE Science HN AP English II CCS Financial Management CCS COMPUTE Science HN Spanish II HNS Computer Science HN Spanish II HNS Economics and Composition Computer Science HN Spanish II HNS Economics and Composition AP Statistics Spanish II HNS Economics and Composition AP Calculus MS Spanish II HNS Economics and Composition AP Calculus MS Spanish II - Native Spa	)			Introduction to	Science HN	Modern	school graduation		<ul> <li>Food and Beverage Manag</li> </ul>
10 Engish II NC Math II Physics Science American History I House Engish II OCS NC Math III NC Math III NC Math III NC Math III HN Chemistry I House Speaking I Sengish II OCS NC Math III HN Chemistry I House Speaking I Sengish II OCS Spanish II Occounts Sengish II OCS Financial Management Financial Management OCS Financial Management Financial Management OCS Financial Management Financial Management Financial Management OCS Financial Management Finan				Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>General Manager</li> </ul>
10         Engish II NC Math III N						Health and PE	college entrance		Kitchen Manager
English II HN NC Math II II II NC Math II II II II II II English II II OCS II II English II II OCS II II II II NC Math IV II		10	English II	NC Math II	Physical Science	American History	requirements.	Food and Nutrition I	Sections Owner
Toward III OCS NC Math III HN Chemistry I HNS American History I HNS Spanish II OCS NC Math III NC Math I OCS NC Chemistry I HNS Spanish II OCS AP English IV OCS AP Calculus HN Spanish II - Regish IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP English IV OCS AP Calculus HN Spanish II - AP			English II HN	NC Math III	Chemistry I	American History I	Certain local		Services Manager
11 English III NC Math IIC Biology MS Counts and Composition NC Math IIC English III NC Math III Biology MS Counts are also recall and an agement OCS regists III NC Math IIC Biology MS Covic Literature HNS based and Composition Computer Science HN Biology (CSS English III CS) Financial Management OCS Financial Managemen			English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		& Baker
11 English III NC Math III Blology HNS Crivic Literature HNS English III OCS Financial Management OCS English III OCS Financial Management OCS English IV NN C Math IV To Computer Science HN Spanish III AP Statistics  12 English IV NN C Math IV NC Math I			ı	NC Math I OCS	Physics HNS	American History II	organization		• Bartender
11 English III NC Math III Biology WLab (2 Civic Literature PAR)  12 English III OCS Math IV NC Math IV NC Math IV NC Math IV NC Composition Computer Science HN Biology W/Lab (2 Civic Literature HNS) AP English III OCS Financial Management OCS Spanish II NC Math IV Spanish II HNS English IV OCS AP Calculus AP English IV OCS AP Calculus AB Spanish II Native S						American History II HNS	activities are also		& Brewer
11 English III NC Math III Biology NLab (2 Civic Literature Brance OCS) Including public Fingish III HN NC Math IV Biology NLab (2 Civic Literature HNS) Pased Composition Computer Science HN Biology NCS Civic Literature HNS Pre-Calculus HN AP Biology OCS Civic Literature HNS Pre-Calculus HN AP Biology OCS Civic Literature HNS Pre-Calculus HN AP English III OCS Financial Management OCS Financial Management OCS Financial Management OCS Financial Management OCS Paparish II Computer Science HNS Spanish II HNS Economics and English IV NN Math IV Spanish II HNS Economics and Literature and Pre-Calculus HN Spanish II HNS Personal Finance HNS Spanish II NN SPA Statistics NN Spanish II NN Spanish II NN Spanish II NN SPA Statistics NN SPA STATISTIC	,					Economics and	important		Pastry and Specialty Chefs
11         English III         NC Math IV         Biology HNS         AP US History         Speaking, record         Food and Nutrition II         AP Penglish III HN         NC Math IV         Mode of Math IV         Mode of Math IV         Mode of Math IV         AP Biology W/Lab (2 Civic Literature HNS)         Croic Literature HNS         Reeping and work-record         AP Penglish III HNS         AP Statistics         AP Statistics         AP Statistics         AP Statistics         AP Statistics         AP Statistics         AP Penglish III HNS         AP Statistics         AP Economics and Economics and Economics and Economics and Economics and English III HNS         Economics and Economics	КJ					Personal Finance OCS	including public		<ul> <li>Restaurant Server</li> </ul>
English III HN NC Math IV HN AP Biology W/Lab (2 Civic Literature HNS) based composition Computer Science HN Growth IV HN AP Biology W/Lab (2 Civic Literature HNS) based composition Computer Science HN Growth IV HN AP Statistics AP Computer Science HN Spanish III HNS Computer Science HN AP English IV OCS AP Calculus BC HNS Spanish III - Native Speaker Composition AP Statistics AP Spanish III - Native Speaker AP Spanish IIII - Native Speaker AP Spanish II	V	11	English III	NC Math III	Biology	AP US History	speaking, record	Food and Nutrition II	<ul> <li>Wine Steward</li> </ul>
AP English NC Math IV HN AP Biology w/Lab (2 Civic Literature HNS) based composition Pre-Calculus HN AP Statistics Sience HN Spanish II HNS Economics and Literature and Pre-Calculus HN Spanish II HNS Economics and Literature and Pre-Calculus HN Spanish II HNS Economics and Composition AP Calculus BC HNS Spanish II HNS	aı		English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-		<ul> <li>Banquet Server</li> </ul>
Language and Discrete Math for Credits) Composition Computer Science HN Biology OCS Counts Pre-Calculus HN as English III OCS English III OCS English IV NC Math IV English IV NC Math IV Spanish II HNS English IV OCS AP English IV OCS AP Calculus AB Composition AP Statistics Composition AP Statistics AP Statis	N		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	pased		<ul> <li>Banquet Set-Up Employee</li> </ul>
Composition   Computer Science HN   Biology OCS   Counts   Pre-Calculus HN     as English III OCS   Financial Management OCS     Lengish IV NN   Computer Science HN   Spanish II HNS   Economics and Studies OR   Spanish II HNS   Economics and Studies OR   Spanish II HNS   Economics and Spanish II HNS Span	<b>)</b>		Language and	Discrete Math for	Credits)		experiences.		Bus Person
4.2     English III) Cosmics III on Company     Financial Management OCS spanish III on Composition     Financial Management OCS spanish III on Mative Spanish III on Spanis	Eί		Composition	Computer Science HN	Biology OCS				• Cocktail Server
English III) AP Statistics  English III OCS Financial Management OCS Financial Management OCS  English IV OCS AP Calculus AB  Composition AP Calculus BC  English IV OCS AP Statistics  AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  English IV OCS AP Statistics  AP Statistics  English IV OCS AP Statistics  En	s		(counts	Pre-Calculus HN					◆ Counter Server
English III OCS       Financial Management OCS       Spanish II       Economics and English IV       CTE Advanced       CTE Advanced         English IV       NC Math IV       Spanish II       Personal Finance       Studies OR       CTE Advanced         AP English IV HN       Computer Science HN       Spanish III HNS       Economics and Economics and OR       CTE Apprenticeship       CTE Internship         Literature and Discrete Math Form Spanish II - Agric Spanish II			as English III)	AP Statistics					1SOH •
English IV     NC Math IV     Spanish I     Economics and English IV HN     CTE Advanced Studies OR     CTE Advanced Studies OR       AP English IV HN     Composition AP Calculus HN     Spanish II HNS     Economics and Composition AP Calculus HN     CTE Internship       Composition AP Calculus BC     AP Calculus BC     HNS Spanish II - Native Speaker     CTE Internship       English IV OCS AP Calculus BC     AP Statistics     Native Speaker       AP Statistics AP Spanish Language     AP Spanish Language			English III OCS	Financial Management OCS					Line Cook
Discrete Math for Spanish III HNS Economics and CTE Apprenticeship Spanish III HNS Economics and CTE Apprenticeship OR Spanish IV HNS Spanish II – Native Speaker AP Statistics AP Statistics AP Spanish Language and Culture		12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced	Restaurant Server
Computer Science HN Spanish III HNS Economics and CTE Apprenticeship A Pre-Calculus HN Spanish I - Native Spanish II - Native Spanish II - Native Spanish II - Native Spanish Language AP Statistics AP Statistics AP Spanish Language AP Spanish Language AP Spanish Language			English IV HN	Discrete Math for	Spanish II	Personal Finance		Studies OR	A Room Service Attendant
d Pre-Calculus HN Spanish I v HNS Personal Finance HNS Spanish I – Native AP Calculus BC Speaker HNS Spanish II – AP Statistics Native Speaker AP Statistics AP Spanish Language and Culture			AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship	
AP Calculus AB Speaker AP Calculus BC HNS Spanish II – AP Statistics Native Speaker AP Statistics AP Spanish Language and Culture			Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		S.	
AP Calculus BC AP Statistics	•		Composition	AP Calculus AB	Spanish I – Native			CTE Internship	
	7		English IV OCS	AP Calculus BC	Speaker HNS Spanish II –				
AP Spanish Language and Culture				AP Statistics	Native Speaker				
Water Wilder	) }				AP Spanish Language				
	CANADA MICANA				and Culture				

Introduction to Baking & Pastry Pathway (SCC (C55130HS)), Introduction to Culinary Arts Pathway (SCC (C55150HS))



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



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 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 best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

#Career and Technical Courses and/or Relating to Degree This Major Pathway Courses for Food and Nutrition Pathway	Career Specialist Specialist Systems Administrators Systems Administrators Information Security Engineers Penetration Testers Penetration Testers Penetration Security Analysts Computer Systems Engineers Software Developers Security Managers	Network Security II CTE Advanced Studies OR CTE Apprenticeship OR CTE Internship
Other Required Courses Other Electives Recommended Electives Learner Activities	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.
Social Studies/ Sciences Health & Physical Education	rth/Environmental World History All plans of study Science World History HIS should meet local rth/Environmental World History HNS should meet local rth/Environmental AP World History: Science HN Modern Science OCS Civic Literature OCS College entrance American History I HNS American History I HNS American History II HNS American History II HNS American History II HNS Cortain local Certain local American History II HNS American History II HNS Cortain local Cortain College on transfer American History II HNS Cortain local American History II HNS American History II HNS Cortain local Cortain Cortain College on transfer III III American History II HNS Cortain III III III III III III III III III I	AP US History Civic Literature HNS Civic Literature HNS Economics and Personal Finance Economics and Personal Finance HNS
Science World Language	Earth/Environmental Science Earth/Environmental Science HN Applied Science OCS Physical Science Chemistry I Chemis	Biology Biology HNS AP Biology w/Lab (2 Credits) Biology OCS Spanish II Spanish II Spanish II Spanish II - Native
Math	NC Math I NC Math II NC Math II HN Introduction to Math I OCS NC Math II NC Math III NC Math I 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 NC Math IV Discrete Math for Computer Science HN Pre-Calculus HN AP Calculus BC AP Statistics
English/ Language Arts	English I English I HN English I OCS English II English II OCS	English III English III HN AP English Language and Composition (counts as English III) English II OCS English IV English IV Composition Composition English IV OCS
əberə	10	11 12

Credentialing	CompTIA Security+, Conover
Post-	
Secondary	





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

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 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 goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements.

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noites vels	əpe	English/ Language	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or Degree Major	Occupations Relating to	
	n 9	Arts		World Language	Health & Physical Education	Recommended Electives Learner Activities	Courses for Plant Systems Pathway	This Pathway	
			Intere	t Inventory Administered	st Inventory Administered and Plan of Study Initiated for all Learners	for all Learners			
W.	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	<ul> <li>Agricultural Journalist</li> </ul>	
		English I HN	NC Math II	Science	World History HNS	should meet local		Biotechnology Lab Technician	
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		<ul> <li>Commodity Marketing</li> </ul>	
)			Introduction to	Science HN	Modern	school graduation		Specialist	
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		<ul> <li>Custom hay/Silage Operator</li> </ul>	
					Health and PE	college entrance		◆ Farmer	
	10	English II	NC Math II	Physical Science	American History	requirements.	Horticulture I	Golf Course Manager	
		English II HN	NC Math III	Chemistry I	American History I	Certain local		Grain Operation	
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		Superintendent	
			NC Math I OCS	Physics HNS	American History II	organization		Green House Manager	
					American History II HNS	activities are also		A Rancher	
,					Economics and	important		Tree Surgeon	
ſΣ					Personal Finance OCS	including public		<ul> <li>Agricultural Educator</li> </ul>	
IA	11	English III	NC Math III	Biology	AP US History	speaking, record	Horticulture II	<ul> <li>Bioinformatics Specialist</li> </ul>	
اه		English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-		Botanist	
N		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		Plant Breeder and Geneticist	
00		Language and	Discrete Math for	Credits)		experiences.		Plant Pathologist	
EC		Composition	Computer Science HN	Biology OCS				Soil and	
s		(counts	Pre-Calculus HN					Water Specialist	
		as English III)	AP Statistics						
		English III OCS	Financial Management OCS						
	12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced Studies		
		English IV HN	Discrete Math for	Spanish II	Personal Finance		CTE Apprenticeship		
		AP English	Computer Science HN	Spanish III HNS	Economics and		OR.		
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		CTE Internship		
		Composition	AP Calculus AB	Spanish I – Native					
		English IV OCS	AP Calculus BC	Speaker					
<b>E</b>			AP Statistics	HNS Spanish II – Native Speaker					
				AP Spanish Language					
INCOME NAMED AND STREET				and Culture					- 1
Credentialing		Conover							- 1
Post-Secondary		Introduction to Land	Introduction to Landscape Gardening Pathway (SCC (C15260HS))	C15260HS))					ı



# 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.

noite els	əp	English/ Language	N.	Science	Social Studies/ Sciences	Other Required Courses Other Electives	*Career and Technical Courses and/or		Occupations Relating to
	e12	Arts		World Language	Health & Physical Education	Recommended Electives Learner Activities	Courses for Project Management Pathway		This Pathway
			Inte		rest Inventory Administered and Plan of Study Initiated for all Learners	ited for all Learners			
W	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	÷ Fir	First-Line Supervisors of Office
		English I HN	NC Math II	Science	World History HN	should meet local		ш	and Administration Support
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		M	Workers
)			Introduction to	Science HNS	Modern	school graduation		·	Food Service Managers
			Math I OCS	Applied Science OCS	Civics Literature OCS	requirements and		⊕	Gambling Managers
					Health and PE	college entrance		₽	Property, Real Estate and
	10	English II	NC Math II	Physical Science	American History	requirements.	Project Management I	చి	Community Association
		English II HN	NC Math III	Chemistry I	American History I	Certain local		W	Managers
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		¢.	Transportation, Storage and
			NC Math I OCS	Physics HNS	American History II	organization		ö	Distribution Managers
					American History II HNS	activities are also		•	Business Continuity Planers
,					Economics and	important		Œ ◆	First-Line Supervisors of
R					Personal Finance OCS	including public		Š	Mechanics, Installers and
A	11	English III	NC Math III	Biology	AP US History	speaking, record	Project Management	R	Repairers
aı		English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-	=	ě.	Project Management
VC		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		S	Specialist
00		Language and	Discrete Math for	Credits)		experiences.		<u>≥</u>	Information Technology
)3:		Composition	Computer Science HN	Biology OCS				Ā	Project Managers
s		(counts	Pre-Calculus HN						Wind Energy Development
		as English III)	AP Statistics					Ĭ	Managers
		English III OCS	Financial Management OCS					ა •	Construction Managers
	12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced Studies	ა •	Computer and Information
		English IV HN	Discrete Math for	Spanish II	Personal Finance		CTE Apprenticeship	Š	Systems Manager
		AP English	Computer Science HN	Spanish III HNS	Economics and		OR	ž .	Management Analysts
		Literature and	Pre-Calculus HN	Spanish I Maritia	Personal Finance HNS		CTE Internship	¥ :	Architectural and Engineering
•		Composition	AP Calculus AB	Spanish I – Native	Civics/Economics OCS			Ĭ	Manager
7		English IV OCS	AP Calculus BC	Speaker UNS Spanish II –				ы: •••	Environmental Engineers
			AP Statistics	Mative Speaker				ě.	Motion Picture Projectionist
				AP Snanish Language				е] Ф	Landscape Architects
Charles and Charles				and Oulture					
Credentialing	tialing	PMI Project Manager	PMI Project Management Ready, Conover						
Post-									
Secondary	ary								



### 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, pre-requisites, course pathways, and graduation

		requirements.	,					
					Corial Gudine	Other Required	*Career and Technical	
	ъ	Confich/ Lynnian		Science	Sciences	Courses	Courses	Occupations
eyel Jevel	berë	cngiisii) taliguage Arts	Math			Recommended	Degree Major	This
93	)			Wond Language	nearm & Pnysical Education	Electives Learner Activities	Courses for Public Safety	Pathway
			Interes		Inventory Administered and Plan of Study Initiated for all Learners	for all Learners	Pathway	
W	6	English I	NC Math I	_	World History	All plans of study	Career Management	Dispatcher
W	1	English I HN	NC Math II	Science	World History HNS	should meet local		<ul> <li>Emergency Management and</li> </ul>
		English I OCS	NC Math II HN	Earth/Environmental	AP World History:	and state high		Response Coordinator
þ			Introduction to	Science HN	Modern	school graduation		<ul> <li>Emergency Planning Manager</li> </ul>
			Math I OCS	Applied Science OCS	Civic Literature OCS	requirements and		• EMT
					Health and PE	college entrance		<ul> <li>Hire Highter</li> </ul>
	10	English II	NC Math II	Physical Science	American History	requirements.	Public Safety I	<ul> <li>Forest rife righter</li> <li>Corest fire legister</li> </ul>
		English II HN	NC Math III	Chemistry I	American History I	Certain local		Investigator
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		<ul> <li>Mazardous Materials Responder</li> </ul>
			NC Math I OCS	Physics HNS	American History II	organization		Manager/Supervisor of Fire
					American History II HNS	activities are also		Fighters or Forest Fire Fighters
,					Economics and	important		A Rescue Worker
КЫ					Personal Finance OCS	including public		Training Officer
٧	11	English III	NC Math III	Biology	AP US History	speaking, record	Public Safety II	Bomb Technician
aı		English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-		<ul> <li>Criminal Investigator</li> </ul>
NC		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	based		Evidence Technician
<b>)</b>		Language and	Discrete Math for	Credits)		experiences.		<ul> <li>Federal Marshall</li> </ul>
ΕC		Composition	Computer Science HN	Biology OCS				<ul> <li>Game Enforcement Officer</li> </ul>
s		(counts	Pre-Calculus HN					<ul> <li>Highway Patrol Officer</li> </ul>
		as English III)	AP Statistics					<ul> <li>Immigration and Customs</li> </ul>
		English III OCS	Financial Management OCS					• Inspector
	12	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced	Police and Patrol Officer
		English IV HN	Discrete Math for	Spanish II	Personal Finance		Studies OR	Police Detective and Criminal
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship	
		Literature and	Pre-Calculus HN	Spanish I Market	Personal Finance HNS		OR OR	<ul> <li>Police, Fire and Ambulance</li> </ul>
		Composition	AP Calculus AB	Spanish I = Native			CTE Internship	Dispatcher
7		English IV OCS	AP Calculus BC	Speaker				<ul> <li>Private Detective and Investigator</li> </ul>
			AP Statistics	Native Speaker			) SCC	<ul> <li>Sheriff and Deputy Sheriff</li> </ul>
and	*			AP Spanish Language			Fire Fighting	Attorney
Credentialing	3	NIMS Certification	NIMS Certification Law & Public Safety CERT Certification NFCI 911 Basic Communications Conover	artion NECI 911 Basic Con	nmunications Conover			
Sillingilling		A MINIS CELEBRICATION A	con or again colorly, carried	The state of the s	language (supplemental)			
Post-Secondary	>	Introduction to Fire	Introduction to Fire Protection Pathway (SCC (C55240HS)), Introduction to Criminal Justice Pathway (SCC (C55180HS))	0HS)), Introduction to Cri	minal Justice Pathway (SCC	(C55180HS))		

### Career Pathw planning mat

### Welding Career Pathway (WELD) Career Pathway Plan of Study

educational and career goals. The school counselor is the best resource to assist students with understanding scheduling, pre-requisites, course pathways, and graduation requirements. 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 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

						Other Required	*Career and		
u				;	Social Studies/	Courses	Courses	Occupations	
	əj	English/ Language		Science	Sciences	Other Electives	and/or	Relating to	
ne que	bene	Arts	Math	Westerland and	Hamilto Officer	Recommended	Degree Major	This	
·3	)			Wond Language	Education	Electives Learner Activities	Courses for Welding Career	Pathway	
							Pathway		
2)			Interes	Inventory Administered	t Inventory Administered and Plan of Study Initiated for all Learners	or all Learners	:		
W.	6	English I	NC Math I	Earth/Environmental	World History	All plans of study	Career Management	<ul> <li>Welding Technician</li> <li>Pine Walder</li> </ul>	
2		English i Hiv	No Math II	science	world History Hivs	should meet local		A Apromore Welder	
Þ		English I OCS	NC Math II HN Introduction to	Earth/Environmental	AP World History: Modern	and state high		Military Support Welder	
			Math 1006	Applied Science OCS	Civic Literature OCS	requirements and		Underwater Welder	
			8		Health and PE	college entrance		<ul> <li>Certified Welding Supervisor</li> </ul>	
	10	English II	NC Math II	Physical Science	American History	requirements.	Welding Technology	Contraction Engineer	
		English II HN	NC Math III	Chemistry I	American History I	Certain local	_	Construction Foreman/Manager	
		English II OCS	NC Math III HN	Chemistry I HNS	American History I HNS	student		Contractor	
			NC Math I OCS	Physics HNS	American History II	organization		Design Builder	
					American History II HNS	activities are also		Seuioment and	
					Economics and	important		Material Manager	
Υį					Personal Finance OCS	including public		General Contractor/Builder	
¥\	11	English III	NC Math III	Biology	AP US History	speaking, record	Welding Technology	Heating, Ventilation, Air	
<b>/</b> C		English III HN	NC Math IV	Biology HNS	Civic Literature	keeping and work-	=	<ul> <li>Conditioning and</li> </ul>	
IN		AP English	NC Math IV HN	AP Biology w/Lab (2	Civic Literature HNS	pased		Refrigeration	
0		Language and	Discrete Math for	Credits)		experiences.	Welding Technology	❖ Mechanic	
ЭΞ		Composition	Computer Science HN	Biology OCS			≡	<ul> <li>Project Estimator</li> </ul>	
IS		(counts	AP Statistics					<ul> <li>Project Inspector</li> <li>Project Manager</li> </ul>	
		as English III) English III OCS	Financial Management					Safety Director     Short Motel Worker	
	13	English IV	NC Math IV	Spanish I	Economics and		CTE Advanced	Specialty Contractor	_
	7	English IV HN	Discrete Math for	Spanish II	Personal Finance		Studies OR		-
		AP English	Computer Science HN	Spanish III HNS	Economics and		CTE Apprenticeship		
		Literature and	Pre-Calculus HN	Spanish IV HNS	Personal Finance HNS		OR		
,		Composition	AP Calculus AB	Spanish I – Native			CTE Internship		
		English IV OCS	AP Calculus BC	Speaker					
<b>S</b>			AP Statistics	TINS Spallish					
				Native Speaker AP Spanish Language					
Ontain Marie Character co.				and Culture					
Credentialing		OSHA 10-Hour Constr AWS D1 1, AWS SENS	OSHA 10-Hour Construction Industry Certification, S/P2 Welding Safety and Pollution Prevention, AW AWS D1 1 AWS SENSE Flux Cored Arc AWS SENSE-Gas Metal Arc Certified Welding Code AWS D1 1	Welding Safety and Pollutio	on Prevention, AWS SENSE The Code AWS D1.1	ermal Cutting, Conover	, AWS SENSE Shielded Met	Welding Safety and Pollution Prevention, AWS SENSE Thermal Cutting, Conover, AWS SENSE Shielded Metal Arc Welding, Certified Welder per Code Metal Arc Certified Welding Code AWS D1.1	1
Post-Secondary		Architectural Techno	Architectural Technology Pathway (SCC (C40100H3))	Residential Construction	near arty, cerumed westung code Awa O.z. Besidential Construction Pathway (SCC (C40100HS)) Commercial Construction Pathway (SCC (C40100H2))	Commercial Constru	iction Pathway (SCC (C40	(100H2))	1
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