

YOU CAN GET THERE FROM HERE

Hoke County Schools

CTE Course Descriptions

2025-2026





Learning that works
for North Carolina

CTE CENTRAL OFFICE STAFF

Bridget Parnell Hayes

Executive Director

Kimberly England

Curriculum & Instructional Management Coordinator

Callie Graham

Special Populations Coordinator

Syretta Daguilh

Special Populations Coordinator

Tonya Burney

Career Development Coordinator

Amanda Williams

Executive Administrative Assistant

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

WHAT IS CAREER AND TECHNICAL EDUCATION?



7.8 million high school students and **3.3 million** college and adult students participate in CTE, learning skills in the classroom and on the job.¹

CTE PREPARES THE WORKFORCE ACROSS A WIDE RANGE OF INDUSTRIES AND OCCUPATIONS.



Agriculture

Construction



Arts, Entertainment & Design

Management & Entrepreneurship



Education

Energy & Natural Resources



Financial Services



Hospitality, Events & Tourism

Healthcare & Human Services



Digital Technology

Public Service & Safety



Advanced Manufacturing

Marketing & Sales



Supply Chain & Transportation



CTE is delivered at comprehensive and CTE-dedicated high schools, magnet schools, area technical centers, community and technical colleges and some four-year universities.

CTE students earn industry certifications and licenses, postsecondary certificates, associate degrees, bachelor's degrees and higher.



CTE is good for students, good for businesses and good for communities.



CTE high school students are college and career ready – **96%** graduate high school and most enroll directly in college.²

Associate degrees in CTE fields can pay **up to \$2.8 million** in lifetime earnings - and pay more than bachelor's degrees in other fields - while limiting student debt.³



CTE is the answer to the nation's projected deficit of **6 million** skilled workers through 2032.⁴



LEARN MORE ABOUT CTE AT ACTEONLINE.ORG

¹ Perkins Collaborative Resource Network, Perkins Data Explorer, customized Consolidated Annual Report data, 2022-23.

² Perkins Collaborative Resource Network, Perkins Data Explorer, customized Consolidated Annual Report data, 2021-22; U.S. Department of Education, Office of Elementary and Secondary Education, Consolidated State Performance Report, 2010-11 through 2017-18; U.S. Department of Education, NCES, HSL5:09, Base-year, 2013 Update, High School Transcript, and Second Follow-Up.

³ Carnevale, A. P., Cheek, B., & Wenzinger, E. (2021). *The college payoff: More education doesn't always mean more earnings*. Georgetown University Center on Education and the Workforce; College Board, Annual Survey of Colleges; NCES, IPEDS Fall 2021 Enrollment data and IPEDS 2022 Institutional Characteristics data.

⁴ Lightcast. (2024). *The rising steam: Building a future-ready workforce to withstand the looming labor shortage*.

JANUARY 2025

CTE in North Carolina



33% of North Carolina jobs will require education beyond high school but less than a bachelor's degree by 2031. Career and technical education (CTE) programs prepare students for these jobs in key North Carolina industries such as:

- aerospace and defense
- tourism
- energy
- business and financial services



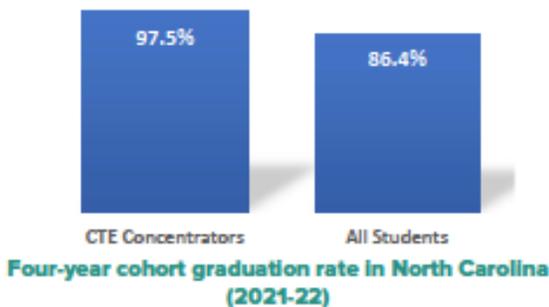
In 2023-24, North Carolina students earned over 358,000 industry-recognized credentials.

Many students are already enrolled in CTE in North Carolina, developing technical, academic and employability skills and engaging in work-based experiences with industry partners. During the 2022-23 school year, North Carolina had:

548,010
secondary CTE participants

107,014
postsecondary CTE participants

These youth and adult learners in CTE programs are more engaged, graduate high school at higher rates, earn industry-recognized credentials, and have rewarding and family-sustaining careers.



47,917
sub-baccalaureate credentials in CTE fields awarded to North Carolina students (2022-23)

More investment is needed to scale CTE programs across North Carolina to ensure that all learners have access to high-quality CTE programs in high-skill, high-wage and in-demand career fields.

FY 24 Federal Perkins CTE Funding for North Carolina
\$48,738,955

CTE: Good for Students, Good for Business, Good for Communities



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

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

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

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

Additional information regarding Career & College Promise is available here:
<https://www.nccommunitycolleges.edu/academic-programs/career-college-promise>

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



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.

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.



National Technical Honor Society

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 scholarships 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 certification 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.

WORK BASED LEARNING EDUCATION

CTE Internships

Course Numbers:

WI02, WI03, WI01, WI04, WI05, WI06, WI07, WI08, WI09, WI10, WI11, WI12, WI13, WI14, WI15, WI16

Description:

A CTE Internship allows for additional development of career and technical competencies within a general career field. Internships allow students to observe and participate in daily

operations, develop direct contact with job personnel, ask questions about particular careers, and perform certain job tasks.

This activity is exploratory and allows the student to get hands-on experience in a number of related activities. The teacher, student, and the business community jointly plan the organization, implementation, and evaluation of an internship, regardless of whether it is an unpaid or paid internship.

Prerequisite:

Must have your own transportation

Proof of Learning:

Local

Aligned Industry Credential: N/A

CTE INTERNSHIP (Minimum 120 Hours)

Aligned Career Technical Student

Organization:

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

Course Credit: 1



CAREER DEVELOPMENT EDUCATION

Career Management

Course Number: ED45

Description:

Focus on leadership, career development and management, essential employability skills, and career exploration through hands-on experiences. Develop an understanding of personal learning styles, speaking skills development, and team management skills. Build understanding of the National Career Development Guidelines, including communications skills, personal management, and teamwork. Gain the knowledge and skills for careers in all CTE pathways. This course is recommended for all 9th grade students.

Prerequisite: N/A

Proof of Learning:

Performance Based Learning Measurement (PBM)

Aligned Industry Credential:

Conover Workplace Readiness

Recommended Maximum Enrollment: 30

Hours of Instruction: 135-150

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 Association (TSA); The National FFA Organization

Course Credit: 1



AGRICULTURAL EDUCATION

Animal Science I

Course Number: AA21

Description:

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

Prerequisite: None

Proof of Learning:

CTE State Assessment

Aligned Industry Credential:

Youth for the Quality Care of Animals (YQCA) Certification

Recommended Maximum Enrollment: 15

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

The National FFA Organization
North Carolina FFA Association

Course Credit: 1



Animal Science II-Companion Animal

Course Number: AA23

Description:

Integrate safe handling practices to groom and care for companion animals and identify companion animals using physical traits and characteristics. Illustrate knowledge of nutritional and digestive needs through experiential activities. Establish a foundation of veterinary medical terminology and procedures. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway.

Prerequisite: AA21 Animal Science I

Proof of Learning:

Performance Based Learning Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 15

Hours of Instruction: 135—150

Aligned Career Technical Student

Organization:

The National FFA Organization
North Carolina FFA Association

Course Credit: 1

Veterinary Assisting-Honors

Course Number: AA41

Description:

Develop the skills, techniques, and knowledge to earn a veterinary assistant credential. Perform proper veterinary practice management and client relations through hands-on skills. Formulate veterinary medical dosages using appropriate medical terminology. Establish animal handling skills in practicum settings and establish surgical and radiological procedures through skill-based scenarios. Build leadership and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Animal Science pathway.

Prerequisite:

AA23-Animal Science II-Companion Animal
(Designed for 11th or 12th grade students with an interest in animal medicine)

Proof of Learning:

Credential

Aligned Industry Credential:

Certified Veterinary Assistant OR Elanco Veterinary Medical Applications

Recommended Maximum Enrollment: 15

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

The National FFA Organization
North Carolina FFA Association

Course Credit: 1



Horticulture I-Introduction to Plants

Course Number: AP41

Description:

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

Prerequisite: None

Proof of Learning:

Performance Based Learning Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

The National FFA Organization
North Carolina FFA Association

Course Credit: 1



Horticulture II-Plant Production

Course Number: AP42

Description:

Cultivate skills related to greenhouse, nursery, floral, and edible plant production, and maintenance practices. Experience the requirements to grow and maintain healthy plants and floral products through work-based learning opportunities. Build leadership development and employability skills through authentic experiences from Supervised Agricultural Experience (SAE), classroom instruction, and FFA participation. Gain the knowledge and skills for careers in the Plant Systems pathway.

Prerequisite:

AP41 Horticulture I -Introduction to Plants

Proof of Learning:

Performance Based Measurement (PBM)

Aligned industry Credential:

N/A

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

The National FFA Organization
North Carolina FFA Association

Course Credit: 1



BUSINESS, FINANCE, AND MARKETING EDUCATION

Entrepreneurship I

Course Number: ME11

Description:

Conceptualize starting, opening, working for, and operating a small business. Explore feasibility, design thinking, entrepreneurial mindset, and the Lean Canvas Business Model. Investigate channel management, pricing, product/service management, and promotion. Gain the knowledge and skills for careers in entrepreneurship.

Prerequisite: None

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential:

Venture Entrepreneurial Expedition

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

An Association for Marketing Education Students (DECA)

Future Business Leaders of America (FBLA)

Course Credit: 1



Entrepreneurship II-Honors

Course Number: ME12

Description:

Utilize business planning strategies to accelerate the implementation of a business idea. Construct plans for risk management, staffing, and promotions. Develop a business plan complete with a SWOT analysis and action plan. Gain the knowledge and skills for careers in entrepreneurship.

Prerequisite:

ME11 Entrepreneurship I

Proof of Learning:

Credential

Aligned Industry Credential:

Entrepreneurship & Small Business

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

An Association for Marketing Education Students (DECA)

Future Business Leaders of America (FBLA)

Course Credit: 1



Project Management I

Course Number: GS11

Description:

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

Prerequisite: None

Proof of Learning:

CTE State Assessment

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 30

Hours of Instruction: 135-150

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 Association (TSA)

The National FFA Organization



Project Management II-Honors

Course Number: GS12

Description:

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

Prerequisite:

CS11 Project Management I

Proof of Learning: Credential

Aligned Industry Credential:

PMI Project Management Ready

Recommended Maximum Enrollment: 30

Hours of Instruction: 135-150

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 Association (TSA)

The National FFA Organization

Course Credit: 1



COMPUTER SCIENCE, IT, AND TECHNOLOGY EDUCATION

Computer Science I

Course Number: CS20

Description:

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

Prerequisite: None

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 30

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Computer Science II

Course Number: CS21

Description:

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

Prerequisite:

CS20 Computer Science I

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 30

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1

AP Computer Science A

Course Number: 2A02

Description:

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

Prerequisite: None

Proof of Learning:

Local

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 30

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Python Programming I

Course Number: CP10

Description:

Craft basic programs utilizing Python programming language. Execute functions, loops, operations, and data sets in various programs. Design programs with considerations for ethics, security, and how to implement the problem-solving process throughout the coding process. Gain the knowledge and skills for careers in the Python Programming pathway.

Prerequisite: None

Proof of Learning:

Credential

Aligned Industry Credential:

Information Technology Specialist: Python
PCEP - Certified Entry-level Python Programmer.

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA
Technology Student Association (TSA)

Course Credit: 1



Python Programming II-Honors

Course Number: CP11

Description:

Design, write, debug, and run programs encoded in the Python language. Formulate program using Internet of Things (IoT) programs. Develop stories utilizing data sets, visualizations, and Python programming. Gain the knowledge and skills for careers in the Python Programming pathway.

Prerequisite:

Python Programming I

Proof of Learning:

Credential

Aligned Industry Credential:

PCAP Certified Associate in Python Programming

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA
Technology Student Association (TSA)

Course Credit: 1



Adobe Visual Design I-Honors

Course Number: CD10

Description:

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

Prerequisite: None

Proof of Learning:

Credential

Aligned Industry Credential:

ACP Graphic Design and Illustration Using Adobe Illustrator AND ACP Visual Communication Using Adobe Photoshop MUST PASS BOTH

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

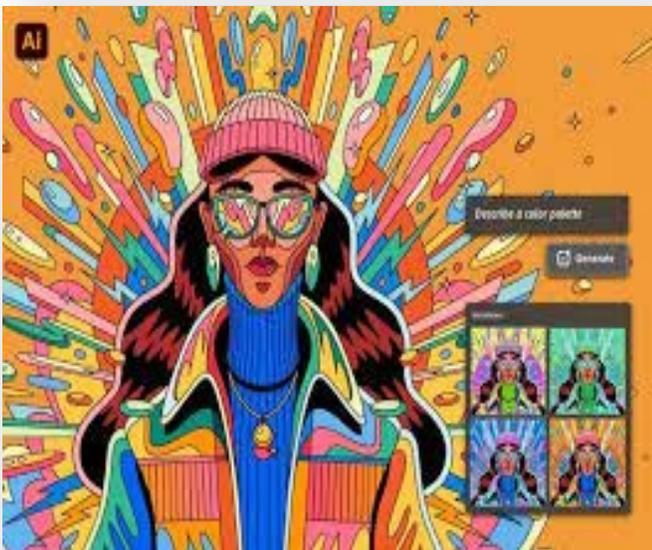
Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Adobe Visual Design II-Honors

Course Number: CD11

Description:

Explore elements that make an exceptional digital and print publications. Create print and digital publications in Adobe InDesign. Train to earn the industry-recognized Adobe Certified Professional InDesign credential. Gain knowledge and skills for careers in the Adobe Academy pathway.

Prerequisite:

CD10 Adobe Visual Design I

Proof of Learning:

Credential

Aligned Industry Credential:

Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



3D Modeling and Animation I

Course Number: CD20

Description:

Design 2D graphics using bitmap and vector editing applications. Record audio and video using electronic devices for editing. Build a scene in a 3D modeling program. Gain the knowledge and skills for careers in the 3D Modeling and Animation pathway.

Prerequisite: None

Proof of Learning:

LOCAL

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



3D Modeling and Animation II

Course Number: CD21

Description:

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

Prerequisite:

CD20 3D Modeling and Animation I

Proof of Learning:

Credential

Aligned Industry Credential:

Autodesk Certified User 3DS Max

OR

Autodesk Certified User Maya

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Game Art and Design

Course Number: CD30

Description:

Explore the basics of game theory and begin a journey into the gaming industry. Develop real-world soft skills by participating in a game development team. Design a prototype game to play with friends and family. Gain the knowledge and skills for careers in the Game Art Design pathway.

Prerequisite:

CD20 3D Modeling and Animation I

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Advanced Game Art and Design

Course Number: CD31

Description:

Explore advanced game theory to continue the journey of the gaming industry. Level up production management skills on a real-world inspired game development team. Create 3D game levels and more using industry standard software. Gain the knowledge and skills for careers in the Game Art and Design pathway.

Prerequisite:

CD30 Game Art and Design

Proof of Learning:

Local

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



FAMILY AND CONSUMER SCIENCES EDUCATION

Culinary Arts and Hospitality I

Course Number: FH10

Description:

Utilize foodservice equipment and tools in preparation of numerous types of cuisines. Practice culinary skills in baking, garde manger, and basic cooking methods. Practice safety and sanitation to prepare for the foodservice industry. Gain the knowledge and skills for careers in culinary arts and hospitality.

Prerequisite: None

Proof of Learning:

CTE State Assessment

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Culinary Arts and Hospitality II-Applications-Honors

Course Number: FH11

Description:

Execute the planning of foodservice operations in a school-based enterprise. Design a variety of cuisines to apply learned cooking methods. Explore United States regional soups and global baking and pastry arts. Gain the knowledge, skills, and certification for careers in culinary arts and hospitality.

Prerequisite:

FH10 Culinary Arts & Hospitality I

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential:

ANSI-Accredited Food Protection Manager Certification (ServSafe)

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Culinary Arts and Hospitality III-HONORS

Course Number: FH13

Description:

Build knowledge of management and menu planning within a foodservice operation. Establish understanding of food preservation techniques, yeast bread and pastries preparation. Learn the skills to earn a certification for advancement in the food service industry. Gain the knowledge, skills, and industry credential for careers in culinary arts and hospitality.

Prerequisite:

FH11 Culinary Arts & Hospitality II Applications

Proof of Learning:

Credential

Aligned Industry Credential:

Certified Fundamentals Cook (CFC) OR Pre-Professional Certification in Culinary Arts OR ProStart National Certificate of Achievement (COA)

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Culinary Arts and Hospitality IV– Applications-HONORS

Course Number: FH14

Description:

Design menus for a food service operation. Demonstrate advanced skills in food operation, baking, and pastry. Operate a school-based enterprise by preparing, marketing, and selling a variety of food products. Gain the knowledge and skills for careers in culinary arts and hospitality.

Prerequisite Course:

FH13 Culinary Arts and Hospitality III

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Food and Nutrition I

Course Number: FN41

Description:

Formulate an understanding of nutrition for a healthy lifestyle by preparing foods in each food group. Develop kitchen skills that promote proper food handling practice. Plan and execute meal management. Gain the knowledge, skills, and industry credential for careers in food and nutrition.

Prerequisite: None

Proof of Learning:

CTE State assessment

Aligned Industry Credential:

ANSI-Accredited Food Handler Certificate **Recommended Maximum Enrollment:** 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Food and Nutrition II

Course Number: FN42

Description:

Expand knowledge of nutrient needs for a healthy lifestyle through the lifespan. Discover the impact of food systems on the environment, economy, society, and the individual. Develop an entrepreneurial venture idea using the Lean Canvas Business Model. Gain the knowledge, skills, and industry credential in food protection management for careers in food and nutrition.

Prerequisite:

FN41 Food and Nutrition I

Proof of Learning:

CTE State assessment

Aligned Industry Credential:

ANSI-Accredited Food Protection Manager Certification

Pre-Professional Certification in Nutrition, Food, and Wellness

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Counseling and Mental Health I

Course Number: FC13

Description:

Develop an understanding of healthy relationships on an individual's personal development. Engage in effective communication strategies for strengthening relationships. Explore the correlation of family systems on an individual's well-being throughout one's lifespan. Gain the knowledge and skills for careers in counseling and mental health.

Prerequisite: None

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



Counseling and Mental Health II

Course Number: FC14

Description:

Focus on the classification of mental health disorders. Inspire an understanding of mental health theories and treatments. Explore how human brain functions affect mental health. Gain the knowledge and skills for careers in counseling and mental health.

Prerequisite:

FC13 Counseling and Mental Health I

Proof of Learning:

Credential

Aligned Industry Credential:

Pre-Professional Certification in Family and Community Services

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Family, Career and Community Leaders of America (FCCLA)

Course Credit: 1



HEALTH SCIENCE EDUCATION

Health Science I

Course Number: HU40

Description:

Explore anatomy, physiology, diseases, and disorders within human body systems. Understand structural organization of the human body as it applies to recognizing and responding to first aid emergencies. Engage in projects, teamwork, collaboration, and demonstration to reinforce curriculum content. Gain knowledge, skills, and industry credentials for careers in the Healthcare Professional pathway.

Prerequisite: None

Proof of Learning:

CTE State assessment

Aligned Industry Credential:

First Aid

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Health Professionals (HOSA)

Course Credit: 1



Health Science II

Course Number: HU42

Description:

Understand the healthcare industry, including employability skills, cultural awareness, safety, and infection control procedures used by healthcare professionals. Develop an understanding of the cardiovascular and respiratory systems to apply knowledge and skills toward earning industry recognized credentials. Demonstrate understanding of curriculum content through projects, collaborations, and teamwork. Gain the knowledge, skills, and credentials for careers in the Healthcare Professional pathway.

Prerequisite: HU40 Health Science I

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential:

BLS Provider

OSHA 10-hour General Industry Safety and Health

Stop the Bleed

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Health Professionals (HOSA)

Course Credit: 1



Dental Anatomy I

Course Number: HL31

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, and recognize microbiology, disease transmission, and terms. Students will execute infection control measures, disinfection, and sterilization procedures.

Prerequisite: None

Proof of Learning:

Local

Aligned Industry Credential:

First Aid

Stop the Bleed

Recommended Maximum Enrollment: 20

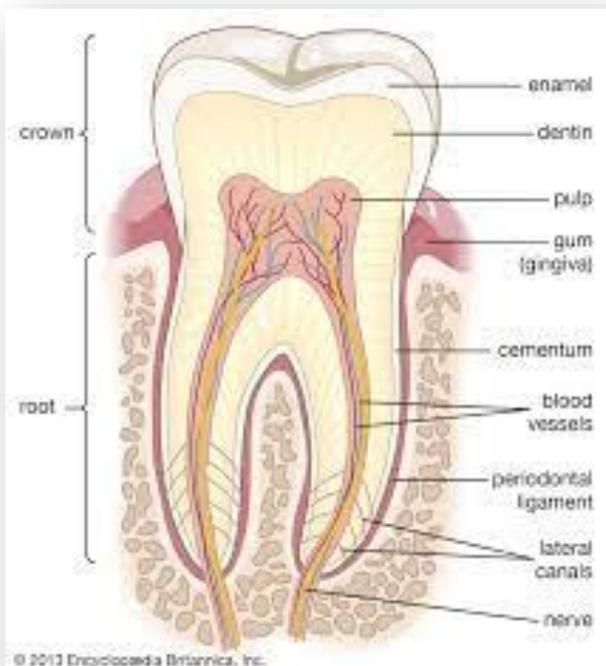
Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Health Professionals (HOSA)

Course Credit: 1



Dental Pathology II

Course Number: HL35

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.

Prerequisite:

HL31 Dental Anatomy I

Proof of Learning:

Local

Aligned Industry Credential:

Basic life support

OSHA 10-hour General Industry Safety and Health

Recommended Maximum Enrollment: 20

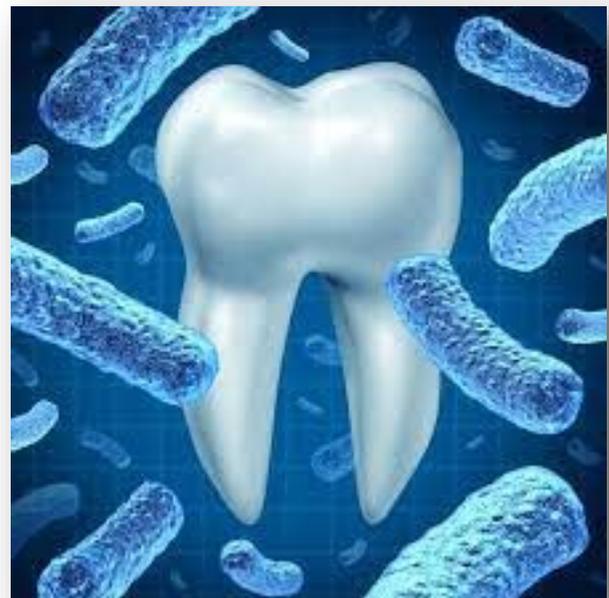
Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Health Professionals (HOSA)

Course Credit: 1



TRADE AND INDUSTRIAL EDUCATION

Drone Technology Fundamentals

Course Number: ID10

Description:

Explore the basic skills and knowledge needed to be a recreational drone pilot. Develop a sectional chart using legends for planned drone mission flights. Develop a basic program to conduct an autonomous flight using small drones in the classroom. Gain the knowledge, skills, and industry credentials for careers in drone technology.

Prerequisite: None

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential:

FAA Trust

Recommended Maximum Enrollment: 14

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Drone Technology I

Course Number: ID11

Description:

Develop drone piloting knowledge and skills needed to obtain an FAA Remote Pilot certification. Participate in drone mission planning, basic flight operations, and drone aircraft maintenance. Execute communication needed as a flight crew team member. Gain the knowledge, skills, and industry credentials for careers in drone technology.

Prerequisite:

ID10 Drone Fundamentals

Proof of Learning:

Credential

Aligned Industry Credential:

CFR 14 Part 107 UAS Remote Pilot Certification AND NCDOT NC UAS Operator Permit. MUST PASS BOTH

Recommended Maximum Enrollment: 14

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA); SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Drone Technology II-Honors

Course Number: ID12

Description:

Execute drone missions that include autonomous flight and mapping. Utilize mapping software to produce 2D and 3D images. Develop a business plan needed to start a drone piloting company. Gain the knowledge, skills, and enhanced industry credentials for careers in drone technology.

Prerequisite:

ID11 Drone Technology I

Proof of Learning:

Credential

Aligned Industry Credential:

ESRI Drone2Map AND NFPA 2400. MUST PASS BOTH

Recommended Maximum Enrollment: 14

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

Future Business Leaders of America (FBLA)
SkillsUSA

Technology Student Association (TSA)

Course Credit: 1



Automotive Service Fundamentals

Course Number: IT11

Description:

Prepare for an entry-level position in the Automotive Service industry. Develop basic skills in shop safety, shop equipment, and hand tool usage. Engage in identifying vehicle systems, system components, and various vehicle fluids. Gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE Accredited.

Prerequisite: None

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential:

S/P2 Automotive Service Pollution Prevention,
S/P2-Automotive Service Safety

Automotive Lift Institute - Lifting it Right: School Edition

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Automotive Service I

Course Number: IT16

Description:

Develop skills and knowledge needed to service modern vehicles. Perform basic brake inspection and service. Explore Ohm's law in basic electrical service applied to vehicles. Gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

Proof of Learning:

Performance Based Measurement (PBM)

Aligned Industry Credential: N/A

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Prerequisite:

IT11 Automotive Service Fundamentals

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Automotive Service II-Honors

Course Number: IT17

Description:

Perform basic suspension and steering inspections and service. Research vehicle information, service bulletins, and recalls on vehicles being serviced. Gather information on vehicle codes and module data used to diagnose vehicle systems. Gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

Prerequisite:

IT16 Automotive Service I

Proof of Learning:

Credential

Aligned Industry Credential:

ASE Entry-Level Certification - Maintenance and Light Repair

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Automotive Service III-Honors

Course Number: IT18

Description:

Explore more advanced and in-depth vehicle repairs and services. Perform basic system diagnosis. Expand knowledge in heating and air conditioning system operations. Gain the knowledge, skills, and industry credentials for careers in the Automotive Services pathway. All secondary automotive programs are required to be ASE accredited.

Prerequisite:

IT17 Automotive Service II

Proof of Learning:

Local

Aligned Industry Credential:

ASE Entry-Level Certification-Electrical/
Electronic Systems

Recommended Maximum Enrollment: 20

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Public Safety I

Course Number: IP11

Description:

Develop a basic understanding of careers and skills in the public safety pathway. Perform basic skills with these different careers, including firefighting, EMT, and law enforcement.

Create a student personal plan for a career in public safety. Gain the knowledge, skills, and industry credentials for careers in public safety.

Prerequisite: None

Proof of Learning:

Credential

Aligned Industry Credential:

Law and Public Safety Introductory
Competency

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Public Safety II-Honors

Course Number: IP12

Description:

Develop a deeper understanding of careers and skills in the public safety pathway. Perform skills associated with being part of a community emergency response team. Prepare for a career in 9-1-1 telecommunication through demonstrated activities. Gain the knowledge, skills, and industry credentials for careers in public safety.

Prerequisite:

IP11 Public Safety I

Proof of Learning:

Credential

Aligned Industry Credential:

Community Emergency Response Team (CERT) AND National Basic 9-1-1 Dispatch Certification. MUST PASS BOTH.

Recommended Maximum Enrollment: 25

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Construction Core

Course Number: IC00

Description:

Perform basic safety procedures required for construction and industrial project sites. Engage in proper techniques required to safely operate hand and power tools used in the construction industry. Practice material handling tasks using appropriate personal protective equipment (PPE) procedures and techniques. Gain the knowledge, skills, and industry credentials for careers in architecture and construction.

Prerequisite:

None

Proof of Learning:

Credential

Aligned Industry Credential:

NC NCCER - Construction Core
MUST PASS ALL Module Tests

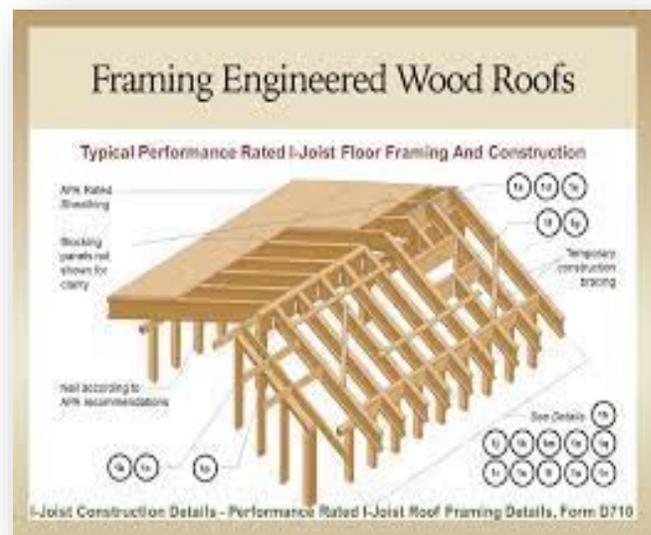
Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student

SkillsUSA

Course Credit: 1



Carpentry I

Course Number: IC21

Description:

Develop basic skills to interpret and lay out basic construction plans and documents used by carpenters. Engage in procedures for laying out and constructing floor and wall systems. Practice essential stairway design and construction techniques. Gain the knowledge, skills, and industry credentials for careers in architecture and construction.

Prerequisite:

IC00 Construction Core

Proof of Learning:

Credential

Aligned Industry Credential:

NC NCCER - Carpentry I

MUST PASS ALL Module Tests

Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Carpentry II-Honors

Course Number: IC22

Description:

Engage in procedures for laying out, constructing, and installing roofing components for residential and commercial buildings. Practice skills related to moisture and insulation control concepts for building envelop systems installation. Participate in exterior finish materials installation procedures. Gain the knowledge, skills, and industry credentials for careers in architecture and construction.

Prerequisite:

IC21 Carpentry I

Proof of Learning:

Credential

Aligned Industry Credential:

NC NCCER - Carpentry II,

MUST PASS ALL Module Tests

Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Carpentry III-Honors

Course Number: IC23

Description:

Develop a working knowledge of skills required to read and interpret commercial drawings and specifications. Engage in procedures for drywall installation and finishing. Participate in the installation of door and door hardware installation procedures. Gain the knowledge, skills, and industry credentials for careers in architecture and construction.

Prerequisite:

IC22 Carpentry II

Proof of Learning:

Credential

Aligned Industry Credential:

NCCER Credential -Carpentry III,
MUST PASS ALL Module Tests

Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Welding Technology I-Honors

Course Number: IM61

Description:

Engage in thermal cutting tasks. Cultivate safety practices and the importance of personal protective equipment. Explore the procedures for metal preparation and its characteristics. Gain the knowledge, skills, and industry credentials for careers in welding.

Prerequisite: None

Proof of Learning:

CTE State assessment

Aligned Industry Credential:

AWS SENSE Entry Welder Program - Thermal Cutting Process
OSHA 10-hour Construction Safety and Health
S/P2 - Welding Safety and Pollution Prevention

Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Welding Technology II-Honors

Course Number: IM62

Description:

Analyze various welding defects by inspection and testing methods. Explore various drawing and welding symbol used in blueprints. Produce multiple position shielded metal arc welding (SMAW) welds. Gain the knowledge, skills, and industry credentials for careers in welding.

Prerequisite:

IM61 Welding Technology I

Proof of Learning:

Credential

Aligned Industry Credential:

AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process. MUST PASS ALL MODULES OR Certified Welder per Welding Code AWS D1.1 (SMAW)

Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student Organization:

SkillsUSA

SkillsUSA

Course Credit: 1



Welding Technology III-Honors

Course Number: IM63

Description:

Improve overall welding skills. Create accurate welds from a variety of positions. Produce flux-cored arc welding (FCAW) and gas metal arc welding (GMAW) fillet and groove welds. Gain the knowledge, skills, and industry credentials for careers in welding.

Prerequisite:

IM62-Welding Technology II

Proof of Learning:

Credential

Aligned Industry Credential:

AWS SENSE - Entry Welder FCAW AND AWS SENSE -Entry Welder GMAW
MUST PASS BOTH --OR-- Certified Welder per Welding Code AWS D1.1 (GMAW) AND Certified Welder per Welding Code AWS D1.1 (FCAW) MUST PASS BOTH

Recommended Maximum Enrollment: 12

Hours of Instruction: 135-150

Aligned Career Technical Student Organization:

SkillsUSA

SkillsUSA

Course Credit: 1



BARBERING ACADEMY

Barbering I

Course Number: IL24

Description:

Students learn the basics of working in a barber shop. Topics include implements and tools, hair-cutting and styling, shaving, facial massage, and an overview of safety, sanitation, and infection control techniques. Students also explore career information required for the barbering industry.

Prerequisite: None

Proof of Learning:

Local

Aligned Industry Credential: N/A

Recommendation Maximum Enrollment: 20

Hours of Instructional: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Barbering II

Course Number: IL25

Description:

Students build on the barbering skills they learned in Barbering I and add skills such as hair coloring, chemical servicing, hair piece styling, women's hair cutting, and manicuring. Students also learn how to identify and treat disorders of the skin, scalp, and hair, and explore barbershop management and licensing laws. This course will prepare students to take the State Barber Board Exam.

Prerequisite:

IL24 Barbering I

Proof of Learning:

Local

Aligned Industry Credential: N/A

Recommendation Maximum Enrollment: 20

Hours of Instructional: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Barbering III

Course Number: IK83

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.

Prerequisite:

IL25 Barbering II

Proof of Learning:

Local

Aligned Industry Credential: N/A

Recommendation Maximum Enrollment: 20

Hours of Instructional: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



Barbering IV

Course Number: IK84

Description:

Barbering IV 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.

Prerequisite:

IK83 Barbering III

Proof of Learning:

Certificate of Hours (1528)

Aligned Industry Credential: N/A

Recommendation Maximum Enrollment: 20

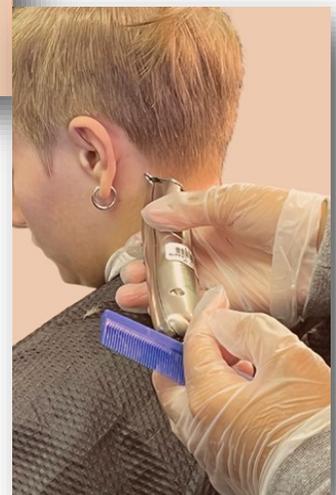
Hours of Instructional: 135-150

Aligned Career Technical Student

Organization:

SkillsUSA

Course Credit: 1



JROTC

Junior Reserve Officers Training Corps

JROTC I (LET I)

Course Number: 95012X00

Description:

This course includes classroom and laboratory instruction in the history, customs, traditions and purpose of Army JROTC. It contains the development of basic leadership skills to include leadership principles, values and attributes. Development of core skills students should master, an appreciation for diversity, and active learning strategies are integrated throughout the course. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC. Successful completion of at least three units of credit in the Army JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service. **Fall term only.**

Prerequisite: Physically fit and at least 14 years of age

Course Credit: 1



JROTC II (LET II)

Course Number: 95012X01

Description:

This course includes classroom and laboratory instruction expanding on the communication skills and conflict management and resolution curriculum taught in LET 1 1st Semester. Emphasis is placed on writing skills and oral communications techniques. Financial planning is introduced. Physical fitness, diet, nutrition, healthy lifestyles and awareness of substance abuse and prevention and basic first aid measures are additional content areas. An overview of geography and the globe are incorporated. Also included in the course is a study of the U.S. Constitution, Bill of Rights, responsibilities of U.S. citizens and the federal justice system. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC. Successful completion of at least three units of credit in the Army JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service. **Spring term only.**

Prerequisite: Physically fit and at least 14 years of age

Course Credit: 1



JROTC

Junior Reserve Officers Training Corps

JROTC III (LET III)

Course Number: 95032X03

Description:

This course includes classroom and laboratory instruction expanding on the skills taught in LET 1 - 2. This course allows cadets to investigate the interrelationships of the services while it continues to build their leadership development and decision-making skills. It includes negotiation skills and management principles. It emphasizes staff procedures and provides opportunities to handle various leadership situations. The research, identification, planning, and execution of service learning activities are included. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC. Successful completion of at least three units of credit in the Army JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service. **Fall term only.**

Prerequisite: Successful completion of JROTC LET 2, JROTC annual physical fitness test, passing grade in all subjects

Course Credit: 1



JROTC IV (LET IV)

Course Number: 95032X04

Description:

This course includes classroom and laboratory instruction expanding on the skills taught in LET 1 - 2 and LET 3 1st Semester. This course gives cadets the opportunity to apply basic concepts of career exploration strategies and planning. Instructs on the creation of career portfolios and plans for college or work. Financial Management principles including investing, credit, and insurance are studied in depth. Skills for orienteering and/or land navigation is developed. Includes studies in the federal judicial system and how historical events shaped social systems. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC. Successful completion of at least three units of credit in the Army JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service. **Spring term only.**

Prerequisite: Successful completion of JROTC LET 2, JROTC annual physical fitness test, passing grade in all subjects

Aligned Credential: NOCTI

Course Credit: 1



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, prerequisites, course pathways, and graduation requirements.

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

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

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

*CONCENTRATOR

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

YOU CAN GET THERE FROM HERE

Nurse Aide Level 1

(1 semester, 2 block)

Grade: 11-12 (Math prerequisite to be determined)

Description: The Nurse Aide curriculum prepares individuals to work under the supervision of licensed health care professionals in performing nursing care and services. Students may earn the Nurse Aide Level 1 certification from the NC Department of Health Service Regulation. Students must successfully complete Health Science I and II OR Health Science I and Biomedical.

Dual Credit: 2

Pharmacy Technician (SPRING ONLY)

(1 semester, 1 block) (PHM3250)

Grade: 12 (ONLY)

Description: This course prepares students for the Pharmacy Technician Certification Exam provided by the Pharmacy Technician Certification Board (PTCB) for entry-level employment. Topics include technical procedures for preparing and dispensing prescriptions, packaging and labeling, controlled substance procedures, inventory control, pharmacy calculations, and over-the-counter drugs. Students should be able to perform basic supervised dispensing techniques in a community pharmacy setting.

Dual Credit: 2

Certified Medical Administrative Assistant (CMAA)

(1 semester, 1 block) (MED3300)

Grade: 11-12

Description: Students may earn a Certified Medical Administrative Assistant (CMAA) credential from the National Health career Association (NHA) making them eligible to enter the workforce as a CMAA.

Electrocardiogram (EKG) Technician

(1 semester, 1 block)

Grade: 11-12

Description: Learn required skills to earn the certification of Electrocardiogram (EKG) from the American Society of Phlebotomy Technicians (ASPT)

Dual Credit: 2

Firefighting Academy

(2 semesters, 2 blocks)

Grade: 11-12

Description:

Aligns with the NC Firefighter Certification Program approved by the NC Fire and Rescue



Commission for offering as of January 1, 2015 and is designed for preparation as a paid or volunteer firefighter.

Dual Credit: 4

ABB Robotics

(1 semester, 2 blocks)

Grade: 11-12

Description: Learn about robot operations and programming. With hands-on learning, students will utilize the same robots and software used in the industry, including the offline programming software RobotStudio. Upon successful completion of this class, students earn their ABB Robotics credential. This class prepares you for a career as a Robotics Technician.

Dual Credit: 2

Plumbing Core Skills (FALL ONLY)

(1 semester, 1 block)

Grade: 11-12

Description: Upon successful completion of Plumbing Core Skills you will earn you NCCER Core Credential.

Dual Credit: 2

Plumbing Level 1 (SPRING ONLY)

(1 semester, 1 block)

Grade: 11-12

Description: Upon successful completion of Plumbing Core Skills you will earn you NCCER Core Credential.

Dual Credit: 2

Heating Ventilation & Air Conditioning (HVAC) Core Skills (FALL ONLY)

(1 semester, 1 block)

Grade: 11-12

Description: Upon successful completion of HVAC Core Skills, you will earn you NCCER Core Credential.

Dual Credit: 2

Heating Ventilation & Air Conditioning (HVAC) Level 1 (SPRING ONLY)

(1 semester, 1 block)

Grade: 11-12

Description: Earn your HVAC Level 1 Credential.

Dual Credit: 2



Electrical Level 1 (FALL ONLY)

(1 semester, 2 blocks) (ELC3119)

Grade: 11-12

Description: This course is taught by National Center for Construction Education and Research (NCCER) certified trainers as an entry-level course. Successful completion qualifies students to receive the NCCER Electrical Level I Certification and inclusion on the NCCER Registry for Electricians.

Dual Credit: 2

Electrical Level 2 (SPRING ONLY)

(1 semester, 2 blocks)

Grade: 11-12

Description: This course is designed to help students expand their electrical knowledge and take their understanding of electrical to another level. Upon successful completion students may earn the Nation Center for Construction Education and Research (NCCER) Electrical Level 2 Certification.

Dual Credit 2



Cosmetology Concepts I

Grade: 11

Prerequisite: Must be a high school junior with a weighted GPA of 2.8 on high school courses or have recommendation of high school principal or designee as demonstrated by high school transcript and, if applicable, recommendation form on file. Students must meet and maintain Sandhills Community College Cosmetology Program requirements. Block Course with COS 112 AB&BB

Description: This course introduces basic cosmetology concepts. Topics include safety, first aid, sanitation, bacteriology, anatomy, diseases and disorders, hygiene, product knowledge, chemistry ethics, manicures, and other related topics. Upon completion, students should be able to safely and competently apply cosmetology concepts in the salon setting.

Dual Credit: 2



Cosmetology Concepts II

Grade: 12

Prerequisite: COS 111 AB & BB. Must meet and maintain Sandhills Community College Cosmetology program requirements. Block Course with COS 114 AB/BB

Description: This course covers more comprehensive cosmetology concepts. Topics include safety, product knowledge, chemistry, manicuring, chemical restructuring, and hair coloring. Upon completing, students should be able to safely and competently apply these cosmetology concepts in the salon setting.

Dual Credit: 2

Salon I

Grade: 11

Prerequisite: Must be a high school junior with a weighted GPA of 2.8 on high school courses or have recommendation of high school principal or designee as demonstrated by high school transcript and, if applicable, recommendation form on file. Students must meet and maintain Sandhills Community College Cosmetology Program requirements. Block Course with COS 111 AB&BB

Description: This course introduces basic salon services. Topics include scalp treatments, shampooing, rinsing, hair color, design, haircutting, permanent waving, pressing relaxing, wigs, and other related topics. Upon completing, students should be able to safely and competently demonstrate salon services.

Dual Credit: 2

Salon II

Grade: 12

Prerequisite: COS 112 AB & BB. Students must meet and maintain Sandhills Community College Cosmetology program requirements. Students who sign up for this course must also sign up for COS 113 AB&BB as a block course.

Description: This course provides experience in a simulated salon setting. Topics include basic skin care, manicuring, nail application, scalp treatments, shampooing, rinsing, hair color, design, haircutting, chemical restructuring, pressing, wigs, and other related topics. Upon completion, students should be able to safely and competently demonstrate these salon services.

Dual Credit: 2





Education- and work-related credentials are important milestones for many people's career and education pathways. The word credential encompasses educational certificates and degrees, industry certifications, government-issued licenses, Registered Apprenticeship certificates and badges, among other terms. These credentials verify an individual's qualifications or competence and are issued by a relevant third party.

The definitions provided in this fact sheet describe commonly awarded credentials. Your institution, agency or organization may have additional categories of credentials or define these terms differently.

What is a Credential?

Certificate

An educational certificate is awarded for the successful completion of a brief course of study, usually one year or less but sometimes up to two years in length, primarily by a public or private two-year or four-year institution of higher education, a college's workforce development or extension division, or a non-degree-granting institution like a public area career and technical center. No action is needed to maintain a certificate.

Degree

An academic degree is awarded for the successful completion of a course of study, usually multiple years in length, primarily by a public or private two-year or four-year institution of higher education. Degrees are available at the associate, bachelor's, master's and doctoral levels. No action is needed to maintain a degree.

Certification

An industry certification indicates mastery of specific knowledge, skills or processes that can be measured against a set of standards. Certifications are not tied to a specific educational program but are typically awarded through assessment and validation of skills by an employer, trade association or other industry group. Individuals may need to meet requirements to maintain a certification, such as continuing education coursework, re-assessment, demonstrated work experience and/or earning higher level certifications.

License

A license is legal authorization, typically granted by a government agency, that allows an individual to perform certain regulated tasks or occupations. A license can be obtained by meeting requirements set forth by the licenser, such as completing a course of study, completing assessments and/or gaining work experience. License holders must meet requirements to renew a license, which may include continuing education coursework or demonstrated work experience.

Registered Apprenticeship Certificate

A Registered Apprenticeship is a paid on-the-job learning experience, paired with supplemental classroom instruction, offered by employers and joint labor-management organizations and approved and validated by the U.S. Department of Labor or a state apprenticeship agency. Registered Apprenticeships develop skills for a specific occupation and employer and result in a nationally recognized certificate of completion. No action is needed to maintain this credential.

Badge

A digital badge represents an individual's attainment of a credential or a micro-credential, which is typically earned by completing a single project, course or assessment. Badges are issued by a variety of organizations, including educational institutions, trade and professional associations and employers, and include digital metadata such as criteria for earning the badge, the badge expiration date and issuer information. An individual may need to meet requirements to maintain a badge, and a badge may expire owing to advancements in an industry or career field.



Welcome to MajorClarity



Platform @ URL <https://app.paper.co/majorclarity>

Login to MajorClarity using your district's preferred login method:

- Google SSO (Click the "continue w/ Google" button on main site)
- ClassLink SSO (Click MC icon on launchpad OR ClassLink SSO button @ URL)
- Clever SSO (Click MC icon on dashboard OR Clever SSO button @ URL)
- Direct login (type your district email address & password on the main site)

Personality Assessment

If this is your first time logging in, follow the prompts to complete the **Personality Assessment**.

Read each question and then respond by clicking the icon which best reflects your opinion.

Assessment Results

Returning users should visit the **Assessments** tab to reset & retake the assessment at least once per school year.

Realistic ⓘ 22%	Social ⓘ 20%	Investigative ⓘ 18%
Artistic ⓘ 16%	Enterprising ⓘ 13%	Conventional ⓘ 11%

Click the icon beside each Holland Type to learn more about your top personality trait.

Classroom Codes

If your teacher has provided you with a **Classroom Code** to link your account to their MajorClarity student roster, follow these steps:

1 Click the blue [Edit your profile](#) link beneath your name on the left side menu.

2 Enter your teacher's classroom code into the search bar and click **Save Code**. Once added, the advisor code will display above the search box with a yellow highlight to show that you have successfully added yourself to the teacher's roster in MajorClarity.

Need help?

For questions about your account or the platform, use the live support chat feature.

Look for the chat icon in the bottom right corner of your screen.



Support Chat Hours
Monday - Friday
8AM to 5PM ET

support@majorclarity.com

ACADEMIC PLANNING STUDENT OVERVIEW

Academic planning in MajorClarity begins with the selection of a customized district pathway. School and program-specific pathways provide a career-aligned roadmap of required and recommended coursework. User-friendly course planning tools make it easy to build a personalized plan of study and track your progress in meeting graduation requirements.

9th Grade [Edit Courses](#)

- + Add Math
- + Add Science
- + Add Social Studies
- + Add English
- + Add CTE Elective
- + Add Elective
- + Add Course

Planned Credits: 0.0
[Edit Courses](#)



Add Courses
Click the + sign or the blue edit courses link to see recommended coursework for each subject area and grade level in your selected pathway.



Find Courses
Use the Course Search tool to view and add non-pathway course options. Search by subject or course name.

Project Management

Career cluster
Business Management and Administration

Description
The Project Management courses introduce students to the principles, concepts, and software application used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring, and controlling, and closing a project in authentic situations.



Course Search - 9th Grade Math

Subject: Hint: To search a different subject, select a different site in the grade column on left.

Can't find a course?
Search any Math course here:

Search:

Recommended Courses
To take a course outside of these recommendations, use the open search above.

- Foundations of NC Math 1 1.0 Cr [Math](#)
- NC Math 1 1.0 Cr [Math](#)

9th Grade

Foundations of NC Math 1 1.0 Cr
[Math](#)

Current Course Selection
Delete your current course selection here.

Foundations of NC Math 1 1.0 Cr [Math](#)

Recommended Courses
To take a course outside of these recommendations, use the open search above.

- Foundations of NC Math 1 1.0 Cr [Math](#)
- NC Math 1 1.0 Cr [Math](#)



View & Edit
Course selections will be added to your plan of study. If you change your mind, click anywhere on the red-outlined current course to remove it and select another option.



Track Credits
Use the Grad Tracker tool to view all planned and earned credits to help you stay on track with meeting requirements for graduation.

Graduation Requirements

Earned **Planned**

Math
Goal: 4.0 1/4

Science
Goal: 3.0 1/3

Social Studies
Goal: 4.0 1/4

English
Goal: 4.0 1/4

CTE Elective
Goal: 0.0 1/0

Elective
Goal: 4.0 1/4

Want to Explore a Different Pathway?

Project Management [Change pathways](#)

Career Cluster: Business Management and Administration

Click the button to view and select a new pathway. We'll make sure your planned coursework is added to the new pathway. Remember to review and update course selections if needed.

What are Star Jobs?

North Carolina's 5-Star Jobs represent occupations with the greatest projected employment potential through 2030. Occupations were rated from 1-5 stars based on wages, projected growth rates, and projected job openings.

FAYETTEVILLE-LUMBERTON REGION



Bladen | Columbus | Cumberland
Hoke | Robeson | Sampson | Scotland



For a complete list of Star Jobs and explanation of the rating process, scan the QR code or visit: www.commerce.nc.gov/data-tools-reports/labor-market-data-tools/employment-projections#StarJobs-274

Advanced Degree

MEDIAN WAGE

		Hourly	Annual
★	Physician Assistants	\$54.16	\$112,653
★	Nurse Practitioners	\$51.16	\$106,416
★	Physical Therapists	\$42.32	\$88,030
★	Occupational Therapists	\$39.13	\$81,397
★	Speech-Language Pathologists	\$36.02	\$74,930
★	Nurse Anesthetists	\$106.10	\$220,690
★	Historians	\$51.62	\$107,370
★	Lawyers	\$41.88	\$87,119
★	Statisticians	\$41.06	\$85,405
★	Curators	\$36.96	\$76,877

All wages are based on LEAD analysis of data of Occupational Employment and Wage Statistics (OEWS) 2022 Data released in May 2023.

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.

DREAM IT. PLAN IT. BE IT.
NCcareers.org

NCcareers.org

[@CareersinNC](https://twitter.com/CareersinNC)

lead@commerce.nc.gov

High School & Work Experience

	MEDIAN WAGE	
	Hourly	Annual
★ Transportation, Storage, and Distribution Managers	\$43.46	\$90,406
★ First-Line Supervisors of Construction Trades and Extraction Workers	\$28.56	\$59,409
★ Electricians	\$23.34	\$48,555
★ Industrial Machinery Mechanics	\$22.97	\$47,780
★ Electrical Power-Line Installers and Repairers	\$29.65	\$61,668
★ First-Line Supervisors of Police and Detectives	\$28.81	\$59,932
★ Postal Service Clerks	\$27.51	\$57,221
★ Food Service Managers	\$26.48	\$55,079
★ Postal Service Mail Carriers	\$25.22	\$52,458
★ Mobile Heavy Equipment Mechanics, Except Engines	\$25.07	\$52,146

Associate's Degree

	MEDIAN WAGE	
	Hourly	Annual
★ Registered Nurses	\$36.36	\$75,621
★ Respiratory Therapists	\$29.39	\$61,139
★ Occupational Therapy Assistants	\$29.25	\$60,838
★ Physical Therapist Assistants	\$28.68	\$59,656
★ Radiation Therapists	\$38.63	\$80,352
★ Architectural and Civil Drafters	\$28.12	\$58,494
★ Radio, Cellular, and Tower Equipment Installers and Repairers	\$27.00	\$56,162
★ Civil Engineering Technologists and Technicians	\$26.60	\$55,328
★ Medical Equipment Repairers	\$24.81	\$51,596
★ Environmental Science and Protection Technicians, Including Health	\$22.70	\$47,211

Postsecondary Training

	MEDIAN WAGE	
	Hourly	Annual
★ First-Line Supervisors of Firefighting and Prevention Workers	\$29.76	\$61,897
★ Aircraft Mechanics and Service Technicians	\$29.22	\$60,785
★ Massage Therapists	\$24.76	\$51,507
★ Licensed Practical and Licensed Vocational Nurses	\$24.36	\$50,659
★ Surgical Technologists	\$22.14	\$46,054
★ Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$21.83	\$45,397
★ Heavy and Tractor-Trailer Truck Drivers	\$21.62	\$44,974
★ Skincare Specialists	\$20.23	\$42,082
★ Paramedics	\$18.91	\$39,331
★ Firefighters	\$16.69	\$34,719

Bachelor's Degree

	MEDIAN WAGE	
	Hourly	Annual
★ Computer and Information Systems Managers	\$59.90	\$124,587
★ Software Developers	\$51.35	\$106,816
★ Financial Managers	\$51.06	\$106,210
★ Medical and Health Services Managers	\$50.23	\$104,486
★ Data Scientists	\$49.76	\$103,511
★ Information Security Analysts	\$48.09	\$100,036
★ Management Analysts	\$41.03	\$85,342
★ Construction Managers	\$40.24	\$83,695
★ Logisticians	\$38.15	\$79,348
★ Civil Engineers	\$38.00	\$79,032

Note: Selected occupations for each education/experience category are based on the Star Jobs Methodology. Education categories in this brochure represent the minimum level of education required for entry according to the Bureau of Labor Statistics. Actual market conditions may require additional education and training.

NORTH CAROLINA

PORTRAIT of a GRADUATE



NORTH CAROLINA COMPETENCY SET



ADAPTABILITY

North Carolina Graduates...

- Demonstrate agility in thought processes and problem-solving.
- Accept feedback, praise, setbacks, and criticism.
- Balance diverse viewpoints and beliefs to reach workable solutions.
- Demonstrate flexibility when navigating challenging situations.
- Exhibit steadfastness despite difficulty, opposition, and/or failure.



COLLABORATION

North Carolina Graduates...

- Contribute and respond to diverse perspectives to achieve a common goal.
- Leverage strengths to resolve conflict and foster teamwork.
- Interact respectfully with others in digital and in-person interactions.
- Embrace a variety of roles in a group as a participant and a leader.



COMMUNICATION

North Carolina Graduates...

- Articulate thoughts and ideas effectively using oral, written, and nonverbal communication skills.
- Listen to decipher meaning, values, attitudes, and intentions.
- Ask questions and synthesize messages to seek understanding.
- Engage in productive discourse to resolve disagreements.
- Craft communication for a range of purposes and audiences.
- Use storytelling and public speaking to express ideas and connect with others.



CRITICAL THINKING

North Carolina Graduates...

- Analyze, assess, and reconstruct personal thought processes.
- Apply thinking that is clear, rational, and evidence-based.
- Evaluate and prioritize solutions to difficult or complex problems.
- Employ creative improvements to systems, processes, and organizations.



EMPATHY

North Carolina Graduates...

- Demonstrate understanding, sensitivity, concern, and respect.
- Share in others' feelings, opinions, and experiences through personal and digital connections.
- Value and embrace diverse cultures and unique perspectives.
- Foster belonging and trust through mutual respect and dialogue.



LEARNER'S MINDSET

North Carolina Graduates...

- Possess an ongoing desire to learn, unlearn, and relearn.
- Embrace curiosity to experience new ideas, demonstrate growth, and persist through challenges.
- Translate knowledge to provide different contexts to drive change and innovation.
- Develop positive attitudes and beliefs about learning.



PERSONAL RESPONSIBILITY

North Carolina Graduates...

- Adhere to a set of core values that are evident in choices and actions.
- Earn trust and respect through honest, principled behaviors.
- Honor commitments.
- Recognize how personal decisions and actions have impacts beyond self.
- Take ownership of decisions and persevere through challenges.
- Demonstrate self-control and composure.



Brought to you by:

Statewide Portrait Design Team | NC Department of Public Instruction | NC Department of Commerce | NC Chamber of Commerce
 BEST NC | NC Community College System | UNC System | NC Independent Colleges and Universities | MyFutureNC

ACT[®] WorkKeys[®]

GIVE YOURSELF THE WORKEYS ADVANTAGE

The ACT NCRC is a portable evidence-based credential that certifies foundational skills essential for workplace success. This credential is used across all sectors of the economy and verifies the following cognitive skills:

- Problem solving
- Critical thinking
- Reading and using work-related text
- Applying information from workplace documents to solve problems
- Applying mathematical reasoning to work-related problems
- Setting up and performing work-related mathematical calculations
- Locating, synthesizing, and applying information that is presented graphically
- Comparing, summarizing, and analyzing information presented in multiple related graphics

PLATINUM CERTIFICATE



Signifies an individual has scored at least a Level 6 on each of the three assessments. Individuals with a Platinum certificate have the essential foundational skills needed for 99% of jobs.
(Recommended 6 semester hours)

GOLD CERTIFICATE



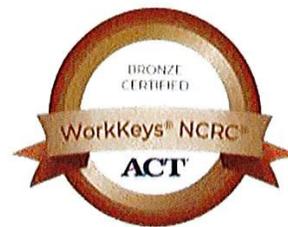
Signifies an individual has scored at least a Level 5 on each of the three assessments. Individuals with a Gold certificate have the essential foundational skills needed for 93% of jobs.
(Recommended 4 semester hours)

SILVER CERTIFICATE



Signifies an individual has scored at least a Level 4 on each of the three assessments. Individuals with a Silver certificate have the essential foundational skills needed for 67% of jobs.
(Recommended 2 semester hours)

BRONZE CERTIFICATE



Signifies an individual has scored at least a Level 3 on each of the three assessments. Individuals with a Bronze certificate have the essential foundational skills needed for 16% of jobs.

Source: ACT JobPro database, 2004–2014.

In 2022, the American Council on Education (ACE) recommended that colleges and universities in the lower-divisional baccalaureate/associate degree category, award 3 semester hours in Technical Mathematics and Introduction to Information Literacy (6 semester hours total) to students who earn a Platinum NCRC, and 2 semester hours in each (4 semester hours total) to students who earn a Gold NCRC; in the vocational category, award 1 semester hour in Technical Mathematics and Introduction to Information Literacy (2 semester hours total) to students who earn a Silver NCRC.

<https://www.act.org/content/dam/act/unsecured/documents/pdfs/NCRC-Award-College-Credit.pdf>



Learning that works for

Hoke County