North Carolina Career and Technical Education

Credential Attainment Report 2024-2025

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North Carolina Department of
PUBLIC INSTRUCTION

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EXECUTIVE SUMMARY

Credentials in North Carolina Secondary Career and Technical Education

Attainment of industry certifications and credentials in North Carolina public schools plays a central role in preparing students for postsecondary education, workforce entry, and long-term economic mobility. Through Career and Technical Education (CTE) programs of study, students in North Carolina who are enrolled in CTE courses have opportunities to earn industry-recognized credentials and certifications that validate technical skills aligned to high-demand occupations and regional labor market needs.

Credential attainment among secondary students in North Carolina public schools has demonstrated a consistent increase since the 2020-2021 academic year. During the 2024-2025 academic year, a record high 382,964 individual credentials were earned and reported statewide.

Credential Potential

Students enrolled in a CTE course with an aligned industry-recognized credential have an opportunity to prepare for and earn one or more credentials or certifications. Credential potential is the total number of credentials available to students in a Public School Unit (PSU) and is used to calculate the PSU's credential attainment rate. Many factors impact a PSU's credential potential and attainment rate.

- Courses that offer multiple credential opportunities for the same content, such as Career Management, will reasonably only see attainment with one of the available credentials;
- Credentials that are in the process of being implemented for the first time in a PSU may see lower attainment until fully implemented; and
- Students who take a course over multiple semesters typically attempt the credential during the last portion of the course.

Starting with the 2023-2024 academic year, attainment rates were calculated using an adjusted credential potential that accounts for credentials not offered by a PSU due to content duplication and for credentials made available to students for the first time.

CTE administrators in each PSU are encouraged to establish an annual goal for the percentage of their credential potential that will be attained.

Data Collection

Each year, educators and business and industry representatives recommend credentials that are aligned to the CTE curriculum and recognized by employers. All proposed credentials are researched to verify compliance with reporting requirements.

Course enrollments for each student are recorded in the North Carolina Student Information System (NCSIS) for all PSUs. CTE course enrollments are populated into the customized NCCTE Admin application where credential attainment data is reported. Many credential results are uploaded into NCCTE Admin directly using reports provided by the credentialing agency. Other credential results are entered into NCCTE Admin by PSU CTE staff and validated by the CTE administrator or their designee using artifacts provided by students. Consistent procedures for collecting credential attainment data among all students enrolled in CTE courses allow credential attainment rates to be calculated accurately at the state and PSU levels.

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INTRODUCTION

Of adults ages 25 and older, 41% have no more than a high school education, contributing to the talent shortage across multiple industries in the United States (Hawkins, 2019). Career pathways through CTE programs should include options for dual-enrollment, work-based learning, and credentialing (Meeder, 2016). Industry-recognized credentials are of utmost importance today, providing labor market currency and serving as opportunities for economic momentum for high school students, especially for underserved students (Education Strategy Group et al., 2018). Reforms to state policies are aimed at increasing the number of students earning credentials and certificates, at both the high school and community college level (Guth, 2017). High-quality CTE programs include qualified educators with a strong understanding of industry trends, work-site learning experiences for students, and student access to industry-recognized credentialing opportunities (Gordo & Shultz, 2020). The benefits of students earning industry-recognized credentials include aspects impacting the students, businesses, and communities. For students, industry-recognized credentials offer long-term financial benefits through increased wages and long-term earnings (Dougherty, 2018).

Additionally, benefits to students go beyond monetary impact and include positive increases in psychological characteristics, such as increased feelings of self-worth (Dougherty, 2018). Students who earn industry-recognized credentials build capacity for the completion of tasks and develop a relational connection between an investment of time and work to positive outcomes. For businesses that hire credentialed students, the benefits include reductions in on-the-job training costs and employees with value-added skill sets (Fletcher & Tyson, 2017). When students enter the workforce with industry-recognized credentials, businesses save the resources of time and money needed to provide credentials to new employees. For communities, positive credentialing data communicates a value in workforce skills and contributes to the economic well-being of the community by drawing future industries to the area (Education Strategy Group et al., 2018).

For this report, industry-recognized credentials are industry credentials that serve as validations of qualifications demonstrated by individuals and are used to verify specific technical competencies or capabilities aligned to industry needs (Murawski, 2019). A credential can be based on a written, oral or performance-based examination, or a combination of the three, and may require a supervised work-based learning experience in addition to successfully passing the credentialing exam. Credentials differ from licenses, which are generally issued by a governmental entity. Licenses frequently are required for a practitioner to enter a field, while credentials help potential employees get hired or qualify them for a higher pay level but are not legally mandated.

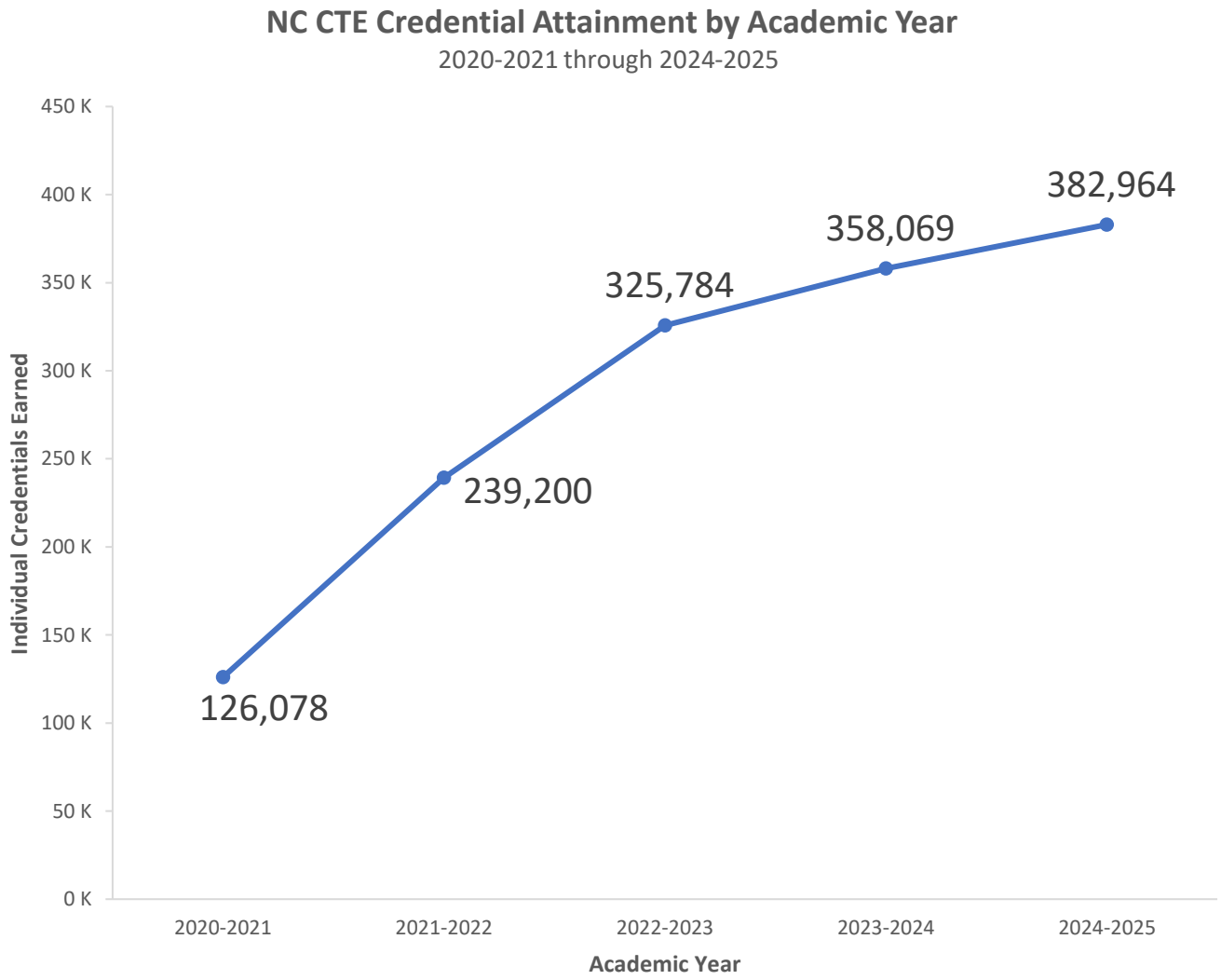
Credential Trend Data

Across North Carolina, CTE students have earned and reported 2,992,831 credentials since the 2010-2011 academic year. Of that number, 382,964 credentials were earned and reported during the 2024-2025 academic year. The chart below depicts the trend data from the 2020-2021 academic year through the 2024-2025 academic year.

- The increase in credentials reported in the 2021-2022 academic year can be attributed to the increased credential funding provided by the North Carolina General Assembly
    - In 2020-2021 and prior years, local districts received approximately 10% of the needed funding to offer all students credentialing opportunities.
    - In 2021-2022, funding increased to accommodate approximately 43% of the funding needed to offer all students the opportunity to earn credentials aligned to their CTE courses.

- During the 2022-2023 academic year, funding increased again, reaching $15.8 million, and local districts were funded over 98% of the amount needed to offer all students the opportunity to earn credentials aligned to their CTE courses. As a result, 41% of available credentials were earned and reported, which is an increase of 13 percentage points from the 28% credential attainment achieved in 2021-2022.
- Funding during the 2023-2024 and 2024-2025 academic years remained at $15.8 million, and local districts were funded 100% of the amount needed to offer all students the opportunity to earn credentials aligned to their CTE courses. With continued funding from the North Carolina General Assembly and an increased focus on credential attainment by local CTE leadership, NC CTE students achieved an all-time high of 382,964 credentials earned and reported (59% of available credentials) in the 2024-2025 academic year.

Chart 1. NC CTE Credential Attainment by Academic Year



STATEWIDE RESULTS

Overview

During the 2024-2025 academic year, 292 unique individual credentials measuring workplace readiness skills or proficiency in career-specific skills were available to students across North Carolina. Credentials related to workplace readiness skills represent general job skills applicable to many different careers such as Microsoft Office Specialist (MOS) certifications in MOS Word, MOS Excel, MOS PowerPoint, and MOS Access. Examples of credentials that are indicative of career-specific skills include the North Carolina Nurse Aide certificate and the Certified Veterinary Assistant certificate.

Table 1. 2024-2025 Credentials by CTE Course

Program Area	Course	Credential Name
Agricultural Education	AA21-Animal Science I	Youth for the Quality Care of Animals (YQCA)
Agricultural Education	AA22-Animal Science II Food Animal	National Beef Quality Assurance Cow/Calf Certification
Agricultural Education	AA22-Animal Science II Food Animal	North Carolina Beef Quality Assurance
Agricultural Education	AA32-Equine Science II	Equine Management and Evaluation Certification
Agricultural Education	AA41-Veterinary Assisting	Certified Veterinary Assistant
Agricultural Education	AA41-Veterinary Assisting	Elanco Veterinary Medical Applications
Agricultural Education	AL11-Agricultural Production I	North Carolina Beef Quality Assurance
Agricultural Education	AL11-Agricultural Production I	Youth for the Quality Care of Animals (YQCA)
Agricultural Education	AL12-Agricultural Production II	North Carolina Beef Quality Assurance
Agricultural Education	AL12-Agricultural Production II	Youth for the Quality Care of Animals (YQCA)
Agricultural Education	AL21-Christmas Tree Production I	National Safe Tractor and Machinery Operation Certification
Agricultural Education	AL21-Christmas Tree Production I	OSHA 10-hour General Industry Safety and Health
Agricultural Education	AL43-Turfgrass Management	NC Private Pesticide Applicator

Program Area	Course	Credential Name
Agricultural Education	AN52-Natural Resources II	North Carolina Hunter Education Training
Agricultural Education	AS31-Agricultural Mechanics I	OSHA 10-hour General Industry Safety and Health
Agricultural Education	AS32-Agricultural Mechanics II	Certified Welders per Welding Code AWS D1.1
Agricultural Education	AS32-Agricultural Mechanics II	National Safe Tractor and Machinery Operation Certification
Agricultural Education	AS33-Agricultural Mechanics II Small Engines	North Carolina State Competency Exam
Agricultural Education	AU22-Sustainable Agriculture Production II	Certified Beekeeper
Agricultural Education	IL41-Aquaculture II	North Carolina Boater Education Certificate
Business, Finance & Marketing	BA20-Accounting II	Intuit Quickbooks Certified User
Business, Finance & Marketing	GS12-Project Management II	PMI Project Management Ready
Business, Finance & Marketing	ME11-Entrepreneurship I	Venture Entrepreneurial Expedition
Business, Finance & Marketing	ME12-Entrepreneurship II	Entrepreneurship and Small Business
Business, Finance & Marketing	ML05-Intro to Customer Relationship Management	Salesforce Administrator Certification
Career Development Education	ED45-Career Management	CCWR - Career Management (Interpersonal/Social Skills)
Career Development Education	ED45-Career Management	CCWR - Career Management (Attitude)
Career Development Education	ED45-Career Management	CCWR - Career Management (Communication)
Career Development Education	ED45-Career Management	CCWR - Career Management (Media Rules)
Career Development Education	ED45-Career Management	CCWR - Career Management (Planning and Organizing)
Career Development Education	ED45-Career Management	CCWR - Career Management (Professionalism)

Program Area	Course	Credential Name
Career Development Education	ED45-Career Management	CCWR - Career Management (Teamwork)
Career Development Education	ED45-Career Management	CCWR - Career Management (Critical Thinking)
Career Development Education	ED45-Career Management	Express Employment Professionals Career Preparedness Certification
Career Development Education	ED45-Career Management	Microburst Learning Soft Skills for Success
Computer Science & Information Technology	CC10-Microsoft Word and PowerPoint	Microsoft Office Specialist PowerPoint
Computer Science & Information Technology	CC10-Microsoft Word and PowerPoint	Microsoft Office Specialist Word
Computer Science & Information Technology	CC11-Microsoft Excel	Microsoft Office Specialist Excel
Computer Science & Information Technology	CC11-Microsoft Excel	Microsoft Office Specialist Excel Expert
Computer Science & Information Technology	CD10-Adobe Visual Design I	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator
Computer Science & Information Technology	CD10-Adobe Visual Design I	Adobe Certified Professional - Visual Communication Using Adobe Photoshop
Computer Science & Information Technology	CD11-Adobe Visual Design II	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
Computer Science & Information Technology	CD12-Adobe Digital Design I	Adobe Certified Professional - Web Authoring Using Adobe Dreamweaver
Computer Science & Information Technology	CD14-Adobe Video Design I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
Computer Science & Information Technology	CD21-3D Modeling and Animation II	Autodesk Certified User 3DS Max
Computer Science & Information Technology	CD21-3D Modeling and Animation II	Autodesk Certified User Maya
Computer Science & Information Technology	CI00-CompTIA IT Fundamentals	CompTIA IT Fundamentals+ (ITF+)
Computer Science & Information Technology	CI01-Computer Engineering Technology I	CompTIA A+ (Core 1)
Computer Science & Information Technology	CI02-Computer Engineering Technology II	CompTIA A+ (Core 2)

Program Area	Course	Credential Name
Computer Science & Information Technology	CI21-Network Administration II	CompTIA Network+
Computer Science & Information Technology	CI31-Cybersecurity II	CompTIA Security+
Computer Science & Information Technology	CL06-Film Television and Video Prod I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
Computer Science & Information Technology	CL07-Film TV and Video Prod II News Prod	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
Computer Science & Information Technology	CL27-Intro to Graphic Communications	PrintED Introduction to Graphic Communication
Computer Science & Information Technology	CL28-Advertising and Design	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator
Computer Science & Information Technology	CL28-Advertising and Design	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
Computer Science & Information Technology	CL28-Advertising and Design	Adobe Certified Professional - Visual Communication Using Adobe Photoshop
Computer Science & Information Technology	CL60-Fundamentals of Info Security I	CompTIA A+ (Core 1)
Computer Science & Information Technology	CL60-Fundamentals of Info Security I	CompTIA A+ (Core 2)
Computer Science & Information Technology	CL60-Fundamentals of Info Security I	CompTIA IT Fundamentals+ (ITF+)
Computer Science & Information Technology	CL75-Unity 3D Programming II	Unity Certified User: Programmer
Computer Science & Information Technology	CL90-Principles of Technology I	OSHA 10-hour General Industry Safety and Health
Computer Science & Information Technology	CL91-Principles of Technology II	OSHA 10-hour General Industry Safety and Health
Computer Science & Information Technology	CP11-Python Programming II	PCAP Certified Associate in Python Programming
Computer Science & Information Technology	CP20-Develop in Swift Explorations	App Development with Swift Associate
Computer Science & Information Technology	CP21-Develop in Swift Fundamentals	App Development with Swift Certified User
Computer Science & Information Technology	CS31-SAS Base Programming	SAS Certified Specialist Programming Fundamentals Using SAS 9.4

Program Area	Course	Credential Name
Family and Consumer Sciences	FA32-Apparel and Textile Production II	Pre-Professional Certification in Fashion, Textiles, and Apparel
Family and Consumer Sciences	FC14-Counseling and Mental Health II	Pre-Professional Certification in Family and Community Services
Family and Consumer Sciences	FE11-Early Childhood Education I	First Aid/CPR/AED
Family and Consumer Sciences	FE11-Early Childhood Education I	North Carolina Early Childhood Credential
Family and Consumer Sciences	FE21-Teaching as a Profession I	Basic School Age Care (BSAC)
Family and Consumer Sciences	FH11-Culinary Arts and Hospitality II App	ANSI - Accredited Food Protection Manager Certification
Family and Consumer Sciences	FH12-Culinary Arts and Hospitality II Int	ANSI - Accredited Food Protection Manager Certification
Family and Consumer Sciences	FH13-Culinary Arts and Hospitality III	Certified Fundamentals Cook (CFC)
Family and Consumer Sciences	FH13-Culinary Arts and Hospitality III	Pre-Professional Certification in Culinary Arts
Family and Consumer Sciences	FH13-Culinary Arts and Hospitality III	ProStart National Certificate of Achievement (COA)
Family and Consumer Sciences	FH31-Hospitality and Tourism Management I	American Hotel and Lodging Association Certified Guest Service Professional
Family and Consumer Sciences	FI22-Interior Design Studio	Pre-Professional Certification in Interior Design Fundamentals
Family and Consumer Sciences	FI23-Interior Design Technology	Autodesk Certified User Revit
Family and Consumer Sciences	FN41-Food and Nutrition I	ANSI - Accredited Food Handler Certificate
Family and Consumer Sciences	FN42-Food and Nutrition II	ANSI - Accredited Food Protection Manager Certification
Family and Consumer Sciences	FN42-Food and Nutrition II	Pre-Professional Certification in Nutrition, Food, and Wellness
Family and Consumer Sciences	FN43-Food Science and Technology	Food Safety and Science Certification
Family and Consumer Sciences	FN43-Food Science and Technology	Pre-Professional Certification in Food Science Fundamentals

Program Area	Course	Credential Name
Health Sciences	HH32-Pharmacy Technician	CPhT Certified Pharmacy Technician
Health Sciences	HL19-Biomedical Technology II	OSHA 10-hour General Industry Safety and Health
Health Sciences	HL31-Dental Anatomy I	First Aid
Health Sciences	HL31-Dental Anatomy I	Stop the Bleed
Health Sciences	HL35-Dental Pathology II	BLS Provider
Health Sciences	HL35-Dental Pathology II	OSHA 10-hour General Industry Safety and Health
Health Sciences	HN43-Nursing Fundamentals and Practicum	North Carolina Nurse Aide I
Health Sciences	HN45-Public Health Fundamentals	Nurse Aide I - Home Care Aide Endorsement
Health Sciences	HP70-PLTW Principles of Biomedical Sciences	Stop the Bleed
Health Sciences	HP71-PLTW Human Body Systems	First Aid
Health Sciences	HP72-PLTW Medical Interventions	CPR/AED
Health Sciences	HU40-Health Science I	First Aid
Health Sciences	HU42-Health Science II	BLS Provider
Health Sciences	HU42-Health Science II	OSHA 10-hour General Industry Safety and Health
Health Sciences	HU42-Health Science II	Stop the Bleed
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00101 (with Performance Profile)
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00102 (with Performance Profile)
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00103 (with Performance Profile)

Program Area	Course	Credential Name
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00104 (with Performance Profile)
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00105 (with Performance Profile)
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00107 (with Performance Profile)
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00108
Trade & Industrial Education	IC00-Construction Core	NC NCCER Module 00109 (with Performance Profile)
Trade & Industrial Education	IC00-Construction Core	OSHA 10-hour Construction Safety and Health
Trade & Industrial Education	IC11-Masonry I	NC NCCER Module 28101 (with Performance Profile)
Trade & Industrial Education	IC11-Masonry I	NC NCCER Module 28102 (with Performance Profile)
Trade & Industrial Education	IC11-Masonry I	NC NCCER Module 28103 (with Performance Profile)
Trade & Industrial Education	IC11-Masonry I	NC NCCER Module 28104 (with Performance Profile)
Trade & Industrial Education	IC11-Masonry I	NC NCCER Module 28105 (with Performance Profile)
Trade & Industrial Education	IC11-Masonry I	NC NCCER Module 28106 (with Performance Profile)
Trade & Industrial Education	IC12-Masonry II	NC NCCER Module 28201 (with Performance Profile)
Trade & Industrial Education	IC12-Masonry II	NC NCCER Module 28202 (with Performance Profile)
Trade & Industrial Education	IC12-Masonry II	NC NCCER Module 28203 (with Performance Profile)
Trade & Industrial Education	IC12-Masonry II	NC NCCER Module 28204 (with Performance Profile)
Trade & Industrial Education	IC13-Masonry III	NC NCCER Module 28205 (with Performance Profile)
Trade & Industrial Education	IC13-Masonry III	NC NCCER Module 28206 (with Performance Profile)

Program Area	Course	Credential Name
Trade & Industrial Education	IC13-Masonry III	NC NCCER Module 28207 (with Performance Profile)
Trade & Industrial Education	IC21-Carpentry I	NC NCCER Module 27101
Trade & Industrial Education	IC21-Carpentry I	NC NCCER Module 27102 (with Performance Profile)
Trade & Industrial Education	IC21-Carpentry I	NC NCCER Module 27105 (with Performance Profile)
Trade & Industrial Education	IC21-Carpentry I	NC NCCER Module 27110 (with Performance Profile)
Trade & Industrial Education	IC21-Carpentry I	NC NCCER Module 27111 (with Performance Profile)
Trade & Industrial Education	IC22-Carpentry II	NC NCCER Module 27109 (with Performance Profile)
Trade & Industrial Education	IC22-Carpentry II	NC NCCER Module 27112 (with Performance Profile)
Trade & Industrial Education	IC22-Carpentry II	NC NCCER Module 27202 (with Performance Profile)
Trade & Industrial Education	IC22-Carpentry II	NC NCCER Module 27203 (with Performance Profile)
Trade & Industrial Education	IC22-Carpentry II	NC NCCER Module 27204 (with Performance Profile)
Trade & Industrial Education	IC23-Carpentry III	NC NCCER Module 27201 (with Performance Profile)
Trade & Industrial Education	IC23-Carpentry III	NC NCCER Module 27205 (with Performance Profile)
Trade & Industrial Education	IC23-Carpentry III	NC NCCER Module 27206 (with Performance Profile)
Trade & Industrial Education	IC23-Carpentry III	NC NCCER Module 27207 (with Performance Profile)
Trade & Industrial Education	IC23-Carpentry III	NC NCCER Module 27208 (with Performance Profile)
Trade & Industrial Education	IC23-Carpentry III	NC NCCER Module 27210 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03101

Program Area	Course	Credential Name
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03102
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03103 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03104 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03105 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03106 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03107 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03108 (with Performance Profile)
Trade & Industrial Education	IC31-HVACR I	NC NCCER Module 03109 (with Performance Profile)
Trade & Industrial Education	IC32-HVACR II	NC NCCER Module 03205 (with Performance Profile)
Trade & Industrial Education	IC32-HVACR II	NC NCCER Module 03206 (with Performance Profile)
Trade & Industrial Education	IC32-HVACR II	NC NCCER Module 03210 (with Performance Profile)
Trade & Industrial Education	IC32-HVACR II	NC NCCER Module 03211 (with Performance Profile)
Trade & Industrial Education	IC32-HVACR II	NC NCCER Module 03301 (with Performance Profile)
Trade & Industrial Education	IC32-HVACR II	NC NCCER Module 03311 (with Performance Profile)
Trade & Industrial Education	IC33-HVACR III	NC NCCER Module 03202
Trade & Industrial Education	IC33-HVACR III	NC NCCER Module 03209 (with Performance Profile)
Trade & Industrial Education	IC33-HVACR III	NC NCCER Module 03213
Trade & Industrial Education	IC33-HVACR III	NC NCCER Module 03302 (with Performance Profile)

Program Area	Course	Credential Name
Trade & Industrial Education	IC33-HVACR III	NC NCCER Module 03303 (with Performance Profile)
Trade & Industrial Education	IC33-HVACR III	NC NCCER Module 03314 (with Performance Profile)
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26101
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26102 (with Performance Profile)
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26103
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26104
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26105 (with Performance Profile)
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26106 (with Performance Profile)
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26107 (with Performance Profile)
Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER Module 26108 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26109 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26110 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26111 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26112 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26201
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26202 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26203 (with Performance Profile)
Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER Module 26209 (with Performance Profile)

Program Area	Course	Credential Name
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26204 (with Performance Profile)
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26205 (with Performance Profile)
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26206 (with Performance Profile)
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26207 (with Performance Profile)
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26208 (with Performance Profile)
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26210 (with Performance Profile)
Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER Module 26211 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02101
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02102 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02103 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02104 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02105 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02106 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02107 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02108 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02109 (with Performance Profile)
Trade & Industrial Education	IC51-Plumbing I	NC NCCER Module 02110 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02111 (with Performance Profile)

Program Area	Course	Credential Name
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02112 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02201 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02202 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02203 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02204 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02205 (with Performance Profile)
Trade & Industrial Education	IC52-Plumbing II	NC NCCER Module 02207 (with Performance Profile)
Trade & Industrial Education	IC61-Drafting I	Autodesk Certified User AutoCAD
Trade & Industrial Education	IC62-Drafting II - Architectural	Autodesk Certified User Revit
Trade & Industrial Education	IC63-Drafting III - Architectural	Autodesk Certified Professional Revit
Trade & Industrial Education	ID10-Drone Technology Fundamentals	FAA Trust
Trade & Industrial Education	ID11-Drone Technology I	CFR 14 Part 107 UAS Remote Pilot Certification
Trade & Industrial Education	ID12-Drone Technology II	ESRI Drone2Map
Trade & Industrial Education	ID12-Drone Technology II	NFPA 2400
Trade & Industrial Education	IK26-Advanced Transportation Technology	ASE Entry-Level Certification - Maintenance and Light Repair
Trade & Industrial Education	IK49-Advanced Criminal Justice II	Expandable Baton Certification
Trade & Industrial Education	IK81-BOAT I Building on a Tradition	OSHA 10-hour Construction Safety and Health
Trade & Industrial Education	IK82-BOAT II Building on a Tradition	North Carolina Boater Education Certificate

Program Area	Course	Credential Name
Trade & Industrial Education	IK88-Electronics I	ETA EM1
Trade & Industrial Education	IK89-Electronics II	ETA EM4
Trade & Industrial Education	IK90-Electronics III	ETA EM2
Trade & Industrial Education	IL53-Marine Occupations I	North Carolina Boater Education Certificate
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 29101 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 29102 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 29105 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 29108 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 84101 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 85101 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 85102 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 85103 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 85104 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 85105 (with Performance Profile)
Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER Module 85106 (with Performance Profile)
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 29103 (with Performance Profile)
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 29106 (with Performance Profile)
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 86101 (with Performance Profile)

Program Area	Course	Credential Name
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 86102 (with Performance Profile)
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 86103 (with Performance Profile)
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 86104 (with Performance Profile)
Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER Module 86201 (with Performance Profile)
Trade & Industrial Education	IM11-Advanced Manufacturing I	Certified Production Technician (CPT) - Maintenance Awareness
Trade & Industrial Education	IM11-Advanced Manufacturing I	Certified Production Technician (CPT) - Safety
Trade & Industrial Education	IM11-Advanced Manufacturing I	OSHA 10-hour General Industry Safety and Health
Trade & Industrial Education	IM12-Advanced Manufacturing II	Certified Production Technician (CPT) - Manufacturing Processes and Production
Trade & Industrial Education	IM12-Advanced Manufacturing II	Certified Production Technician (CPT) - Quality Practices and Measurement
Trade & Industrial Education	IM14-Manufacturing Robotics	FANUC Certified Robot Operator
Trade & Industrial Education	IM21-Woodworking I	OSHA 10-hour Construction Safety and Health
Trade & Industrial Education	IM22-Woodworking II	Woodwork Career Alliance (WCA) Sawblade Certificate
Trade & Industrial Education	IM41-Metals Manufacturing Technology I	NIMS Measurement, Materials, and Safety
Trade & Industrial Education	IM42-Metals Manufacturing Technology II	NIMS Job Planning, Benchwork, and Layout
Trade & Industrial Education	IM43-Metals Manufacturing Technology III	NIMS Milling I
Trade & Industrial Education	IM61-Welding Technology I	AWS SENSE Module 2: Safety
Trade & Industrial Education	IM61-Welding Technology I	AWS SENSE Module 8: Thermal Cutting Process
Trade & Industrial Education	IM61-Welding Technology I	OSHA 10-hour Construction Safety and Health

Program Area	Course	Credential Name
Trade & Industrial Education	IM61-Welding Technology I	S/P2 Welding Safety and Pollution Prevention
Trade & Industrial Education	IM62-Welding Technology II	AWS SENSE Module 3: Drawing and Welding Interpretation
Trade & Industrial Education	IM62-Welding Technology II	AWS SENSE Module 4: SMAW
Trade & Industrial Education	IM62-Welding Technology II	AWS SENSE Module 9: Welding Inspection and Testing
Trade & Industrial Education	IM62-Welding Technology II	Certified Welder per Welding Code AWS D1.1 (SMAW)
Trade & Industrial Education	IM63-Welding Technology III	AWS SENSE Entry Welder Program - Flux Cored Arc Welding Process
Trade & Industrial Education	IM63-Welding Technology III	AWS SENSE Entry Welder Program - Gas Metal Arc Welding Process
Trade & Industrial Education	IM63-Welding Technology III	Certified Welder per Welding Code AWS D1.1 (FCAW)
Trade & Industrial Education	IM63-Welding Technology III	Certified Welder per Welding Code AWS D1.1 (GMAW)
Trade & Industrial Education	IP11-Public Safety I	Law and Public Safety Introductory Competency
Trade & Industrial Education	IP11-Public Safety I	NIMS (DHS/FEMA) IS-100
Trade & Industrial Education	IP11-Public Safety I	NIMS (DHS/FEMA) IS-200
Trade & Industrial Education	IP11-Public Safety I	NIMS (DHS/FEMA) IS-700
Trade & Industrial Education	IP11-Public Safety I	NIMS (DHS/FEMA) IS-800
Trade & Industrial Education	IP12-Public Safety II	Community Emergency Response Team (CERT)
Trade & Industrial Education	IP12-Public Safety II	National Basic 9-1-1 Dispatch Certification
Trade & Industrial Education	IP21-Emergency Medical Technology I	(DHS/FEMA) IS-100
Trade & Industrial Education	IP21-Emergency Medical Technology I	(DHS/FEMA) IS-200

Program Area	Course	Credential Name
Trade & Industrial Education	IP21-Emergency Medical Technology I	(DHS/FEMA) IS-700
Trade & Industrial Education	IP21-Emergency Medical Technology I	(DHS/FEMA) IS-800
Trade & Industrial Education	IP21-Emergency Medical Technology I	BLS Provider
Trade & Industrial Education	IP21-Emergency Medical Technology I	Emergency Medical Responder (EMR)
Trade & Industrial Education	IP21-Emergency Medical Technology I	Stop the Bleed
Trade & Industrial Education	IP22-Emergency Medical Technology II	Emergency Medical Technician (EMT)
Trade & Industrial Education	IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 1 (FIP 3041)
Trade & Industrial Education	IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 2 (FIP 3042)
Trade & Industrial Education	IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 3 (FIP 3043)
Trade & Industrial Education	IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 4 (FIP 3044)
Trade & Industrial Education	IP31-Firefighter Technology I	NCOSFM - FF General and Communications (FIP 3040)
Trade & Industrial Education	IP32-Firefighter Technology II	NCOSFM Emergency Medical Care (FIP 7001)
Trade & Industrial Education	IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 5 (FIP 3045)
Trade & Industrial Education	IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 6 (FIP 3046)
Trade & Industrial Education	IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 7 (FIP 3047)
Trade & Industrial Education	IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 8 (FIP 3048)
Trade & Industrial Education	IP33-Firefighter Technology III	NCOSFM FF and Life Safety (FIP 3051)
Trade & Industrial Education	IP33-Firefighter Technology III	NCOSFM FF Mayday and Safety (FIP 6413)

Program Area	Course	Credential Name
Trade & Industrial Education	IP33-Firefighter Technology III	NCOSFM FF Rescue Ops 1 (FIP 3050)
Trade & Industrial Education	IP33-Firefighter Technology III	NCOSFM HM Ops (FIP 3556)
Trade & Industrial Education	IP33-Firefighter Technology III	NCOSFM TIMS (FIP 7000)
Trade & Industrial Education	IP41-Law and Justice I	National Law Enforcement Certification SPSS
Trade & Industrial Education	IP42-Law and Justice II	Certified Protection Officer (CPO)
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I G-271
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I G-272
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-120
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-2200
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-230
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-235
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-240
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-241
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-242
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-244
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-247
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-271
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-288

Program Area	Course	Credential Name
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-393
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-703
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-706
Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I IS-909
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-108
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-191
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-205
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-2300
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-358
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-386
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-393
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II G-557
Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II IS-559
Trade & Industrial Education	IT11-Automotive Service Fundamentals	S/P2 Automotive Service Pollution Prevention
Trade & Industrial Education	IT11-Automotive Service Fundamentals	S/P2 Automotive Service Safety
Trade & Industrial Education	IT17-Automotive Service II	ASE Entry-Level Certification - Maintenance and Light Repair
Trade & Industrial Education	IT18-Automotive Service III	ASE Entry-Level Certification - Electrical/Electronic Systems
Trade & Industrial Education	IT30-Collision Repair Fundamentals	S/P2 Collision Repair and Refinish Pollution Prevention

Program Area	Course	Credential Name
Trade & Industrial Education	IT30-Collision Repair Fundamentals	S/P2 Collision Repair and Refinish Safety
Trade & Industrial Education	IT32-Collision Repair II - Non-Structural	I-CAR Platinum ProLevel 1 for Non-Structural
Trade & Industrial Education	IT33-Collision Repair II - Refinishing	ASE Entry-Level Certification - Painting and Refinishing
Trade & Industrial Education	IT33-Collision Repair II - Refinishing	I-CAR Platinum ProLevel 1 for Refinishing
Trade & Industrial Education	IV22-Drafting II - Engineering	Autodesk Certified User Inventor
Trade & Industrial Education	IV22-Drafting II - Engineering	Certified SolidWorks Associate (CSWA)
Trade & Industrial Education	IV23-Drafting III - Engineering	Autodesk Certified Professional Inventor
Trade & Industrial Education	IV23-Drafting III - Engineering	Certified SolidWorks Professional (CSWP)
Trade & Industrial Education	TR14-SREB AC Design for the Prod of Adv Prod	NI Certified LabVIEW Associate Developer (CLAD)

Individual Credentials and Combined Credentials

North Carolina CTE credentials are reported in two distinct categories: individual and combined. Individual credentials include specific modules within a more comprehensive credential. An example of individual credentials that create a combined credential is Conover Workplace Readiness which is aligned to the ED45-Career Management course. There are eight individual modules that each count as an individual credential, and when all eight are successfully earned, collectively make a combined credential. When reporting these credentials, a student who earns the credential for all modules counts as eight individual credentials and one combined credential. During the 2024-20254 academic year, individual credentials that form combined credentials were earned in 22 CTE courses as shown in the following table.

Table 2. 2024-2025 Individual to Combined Credentials Crosswalk and Attainment

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
ED45-Career Management	CCWR - Career Management (Attitude)	5,799	Conover Credential Workplace Readiness Job Readiness	4,632

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
ED45-Career Management	CCWR - Career Management (Teamwork)	6,224	Conover Credential Workplace Readiness Job Readiness	4,632
ED45-Career Management	CCWR - Career Management (Communication)	6,332	Conover Credential Workplace Readiness Job Readiness	4,632
ED45-Career Management	CCWR - Career Management (Critical Thinking)	5,489	Conover Credential Workplace Readiness Job Readiness	4,632
ED45-Career Management	CCWR - Career Management (Interpersonal/Social Skills)	6,170	Conover Credential Workplace Readiness Job Readiness	4,632
ED45-Career Management	CCWR - Career Management (Media Rules)	6,288	Conover Credential Workplace Readiness Job Readiness	4,632
ED45-Career Management	CCWR - Career Management (Planning and Organizing)	5,697	Conover Credential Workplace Readiness Job Readiness	4,632
ED45-Career Management	CCWR - Career Management (Professionalism)	5,405	Conover Credential Workplace Readiness Job Readiness	4,632
IC00-Construction Core	NC NCCER Module 00101 (with Performance Profile)	10,001	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00103 (with Performance Profile)	9,168	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00104 (with Performance Profile)	8,683	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00105 (with Performance Profile)	9,000	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00109 (with Performance Profile)	9,013	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00107 (with Performance Profile)	9,868	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00108	9,651	NC NCCER - Construction Core	7,457
IC00-Construction Core	NC NCCER Module 00102 (with Performance Profile)	9,156	NC NCCER - Construction Core	7,457

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IC11-Masonry I	NC NCCER Module 28101 (with Performance Profile)	1,166	NC NCCER - Masonry I	911
IC11-Masonry I	NC NCCER Module 28102 (with Performance Profile)	1,076	NC NCCER - Masonry I	911
IC11-Masonry I	NC NCCER Module 28103 (with Performance Profile)	1,070	NC NCCER - Masonry I	911
IC11-Masonry I	NC NCCER Module 28104 (with Performance Profile)	1,104	NC NCCER - Masonry I	911
IC11-Masonry I	NC NCCER Module 28105 (with Performance Profile)	1,040	NC NCCER - Masonry I	911
IC11-Masonry I	NC NCCER Module 28106 (with Performance Profile)	1,141	NC NCCER - Masonry I	911
IC12-Masonry II	NC NCCER Module 28201 (with Performance Profile)	542	NC NCCER - Masonry II	502
IC12-Masonry II	NC NCCER Module 28202 (with Performance Profile)	533	NC NCCER - Masonry II	502
IC12-Masonry II	NC NCCER Module 28203 (with Performance Profile)	548	NC NCCER - Masonry II	502
IC12-Masonry II	NC NCCER Module 28204 (with Performance Profile)	539	NC NCCER - Masonry II	502
IC13-Masonry III	NC NCCER Module 28205 (with Performance Profile)	103	NC NCCER - Masonry III	98
IC13-Masonry III	NC NCCER Module 28206 (with Performance Profile)	102	NC NCCER - Masonry III	98
IC13-Masonry III	NC NCCER Module 28207 (with Performance Profile)	103	NC NCCER - Masonry III	98
IC21-Carpentry I	NC NCCER Module 27101	3,924	NC NCCER - Carpentry I	2,598
IC21-Carpentry I	NC NCCER Module 27102 (with Performance Profile)	3,485	NC NCCER - Carpentry I	2,598

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IC21-Carpentry I	NC NCCER Module 27105 (with Performance Profile)	3,146	NC NCCER - Carpentry I	2,598
IC21-Carpentry I	NC NCCER Module 27110 (with Performance Profile)	2,838	NC NCCER - Carpentry I	2,598
IC21-Carpentry I	NC NCCER Module 27111 (with Performance Profile)	2,970	NC NCCER - Carpentry I	2,598
IC22-Carpentry II	NC NCCER Module 27202 (with Performance Profile)	1,190	NC NCCER - Carpentry II	925
IC22-Carpentry II	NC NCCER Module 27203 (with Performance Profile)	1,208	NC NCCER - Carpentry II	925
IC22-Carpentry II	NC NCCER Module 27109 (with Performance Profile)	1,157	NC NCCER - Carpentry II	925
IC22-Carpentry II	NC NCCER Module 27204 (with Performance Profile)	1,104	NC NCCER - Carpentry II	925
IC22-Carpentry II	NC NCCER Module 27112 (with Performance Profile)	1,130	NC NCCER - Carpentry II	925
IC23-Carpentry III	NC NCCER Module 27201 (with Performance Profile)	197	NC NCCER - Carpentry III	157
IC23-Carpentry III	NC NCCER Module 27205 (with Performance Profile)	181	NC NCCER - Carpentry III	157
IC23-Carpentry III	NC NCCER Module 27206 (with Performance Profile)	185	NC NCCER - Carpentry III	157
IC23-Carpentry III	NC NCCER Module 27207 (with Performance Profile)	177	NC NCCER - Carpentry III	157
IC23-Carpentry III	NC NCCER Module 27208 (with Performance Profile)	183	NC NCCER - Carpentry III	157
IC23-Carpentry III	NC NCCER Module 27210 (with Performance Profile)	176	NC NCCER - Carpentry III	157
IC41-Electrical Trades I	NC NCCER Module 26101	1,124	NC NCCER - Electrical Trades I	797

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IC41-Electrical Trades I	NC NCCER Module 26103	1,100	NC NCCER - Electrical Trades I	797
IC41-Electrical Trades I	NC NCCER Module 26104	1,056	NC NCCER - Electrical Trades I	797
IC41-Electrical Trades I	NC NCCER Module 26102 (with Performance Profile)	1,033	NC NCCER - Electrical Trades I	797
IC41-Electrical Trades I	NC NCCER Module 26105 (with Performance Profile)	1,029	NC NCCER - Electrical Trades I	797
IC41-Electrical Trades I	NC NCCER Module 26106 (with Performance Profile)	989	NC NCCER - Electrical Trades I	797
IC41-Electrical Trades I	NC NCCER Module 26107 (with Performance Profile)	946	NC NCCER - Electrical Trades I	797
IC41-Electrical Trades I	NC NCCER Module 26108 (with Performance Profile)	918	NC NCCER - Electrical Trades I	797
IC42-Electrical Trades II	NC NCCER Module 26109 (with Performance Profile)	382	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26110 (with Performance Profile)	375	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26111 (with Performance Profile)	366	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26112 (with Performance Profile)	385	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26201	439	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26209 (with Performance Profile)	377	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26202 (with Performance Profile)	377	NC NCCER - Electrical Trades I	307
IC42-Electrical Trades II	NC NCCER Module 26203 (with Performance Profile)	409	NC NCCER - Electrical Trades I	307

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IC43-Electrical Trades III	NC NCCER Module 26204 (with Performance Profile)	43	NC NCCER - Electrical Trades III	34
IC43-Electrical Trades III	NC NCCER Module 26205 (with Performance Profile)	39	NC NCCER - Electrical Trades III	34
IC43-Electrical Trades III	NC NCCER Module 26206 (with Performance Profile)	43	NC NCCER - Electrical Trades III	34
IC43-Electrical Trades III	NC NCCER Module 26207 (with Performance Profile)	48	NC NCCER - Electrical Trades III	34
IC43-Electrical Trades III	NC NCCER Module 26208 (with Performance Profile)	42	NC NCCER - Electrical Trades III	34
IC43-Electrical Trades III	NC NCCER Module 26210 (with Performance Profile)	37	NC NCCER - Electrical Trades III	34
IC43-Electrical Trades III	NC NCCER Module 26211 (with Performance Profile)	39	NC NCCER - Electrical Trades III	34
IL54-Marine Occupations II	NC NCCER Module 84101 (with Performance Profile)	23	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 85101 (with Performance Profile)	23	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 85102 (with Performance Profile)	23	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 85103 (with Performance Profile)	21	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 85104 (with Performance Profile)	16	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 85105 (with Performance Profile)	20	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 85106 (with Performance Profile)	20	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 29101 (with Performance Profile)	22	NC NCCER - Maritime Pipefitting Level 1	5

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IL54-Marine Occupations II	NC NCCER Module 29102 (with Performance Profile)	22	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 29105 (with Performance Profile)	10	NC NCCER - Maritime Pipefitting Level 1	5
IL54-Marine Occupations II	NC NCCER Module 29108 (with Performance Profile)	23	NC NCCER - Maritime Pipefitting Level 1	5
IL73-Marine Occupations III	NC NCCER Module 29103 (with Performance Profile)	12	NC NCCER - Maritime Structural Fitting	7
IL73-Marine Occupations III	NC NCCER Module 29106 (with Performance Profile)	11	NC NCCER - Maritime Structural Fitting	7
IL73-Marine Occupations III	NC NCCER Module 86101 (with Performance Profile)	10	NC NCCER - Maritime Structural Fitting	7
IL73-Marine Occupations III	NC NCCER Module 86102 (with Performance Profile)	13	NC NCCER - Maritime Structural Fitting	7
IL73-Marine Occupations III	NC NCCER Module 86103 (with Performance Profile)	8	NC NCCER - Maritime Structural Fitting	7
IL73-Marine Occupations III	NC NCCER Module 86104 (with Performance Profile)	8	NC NCCER - Maritime Structural Fitting	7
IL73-Marine Occupations III	NC NCCER Module 86201 (with Performance Profile)	12	NC NCCER - Maritime Structural Fitting	7
IM61-Welding Technology I	AWS SENSE Module 8: Thermal Cutting Process	135	AWS SENSE Entry Welder Program - Thermal Cutting Process	129
IM61-Welding Technology I	AWS SENSE Module 2: Safety	154	AWS SENSE Entry Welder Program - Thermal Cutting Process	129
IM62-Welding Technology II	AWS SENSE Module 3: Drawing and Welding Interpretation	140	AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process	112
IM62-Welding Technology II	AWS SENSE Module 9: Welding Inspection and Testing	144	AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process	112
IM62-Welding Technology II	AWS SENSE Module 4: SMAW	143	AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process	112

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IP11-Public Safety I	NIMS (DHS/FEMA) IS-100	4,920	National Incident Management System	4,408
IP11-Public Safety I	NIMS (DHS/FEMA) IS-200	4,733	National Incident Management System	4,408
IP11-Public Safety I	NIMS (DHS/FEMA) IS-700	4,907	National Incident Management System	4,408
IP11-Public Safety I	NIMS (DHS/FEMA) IS-800	4,579	National Incident Management System	4,408
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-100	141	Emergency Medical Responder (EMR)	103
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-200	142	Emergency Medical Responder (EMR)	103
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-700	138	Emergency Medical Responder (EMR)	103
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-800	136	Emergency Medical Responder (EMR)	103
IP31-Firefighter Technology I	NCOSFM - FF General and Communications (FIP 3040)	448	NCOSFM - Firefighter Technology I	211
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 1 (FIP 3041)	477	NCOSFM - Firefighter Technology I	211
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 2 (FIP 3042)	568	NCOSFM - Firefighter Technology I	211
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 3 (FIP 3043)	511	NCOSFM - Firefighter Technology I	211
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 4 (FIP 3044)	297	NCOSFM - Firefighter Technology I	211
IP32-Firefighter Technology II	NCOSFM - FF Fireground Ops 5 (FIP 3045)	313	NCOSFM - Firefighter Technology II	137
IP32-Firefighter Technology II	NCOSFM - FF Fireground Ops 6 (FIP 3046)	299	NCOSFM - Firefighter Technology II	137

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IP32-Firefighter Technology II	NCOSFM - FF Fireground Ops 7 (FIP 3047)	263	NCOSFM - Firefighter Technology II	137
IP32-Firefighter Technology II	NCOSFM - FF Fireground Ops 8 (FIP 3048)	202	NCOSFM - Firefighter Technology II	137
IP32-Firefighter Technology II	NCOSFM Emergency Medical Care (FIP 7001)	282	NCOSFM - Firefighter Technology II	137
IP33-Firefighter Technology III	NCOSFM FF Rescue Ops 1 (FIP 3050)	133	NCOSFM - Firefighter Technology III	117
IP33-Firefighter Technology III	NCOSFM FF and Life Safety (FIP 3051)	139	NCOSFM - Firefighter Technology III	117
IP33-Firefighter Technology III	NCOSFM FF Mayday and Safety (FIP 6413)	133	NCOSFM - Firefighter Technology III	117
IP33-Firefighter Technology III	NCOSFM HM Ops (FIP 3556)	100	NCOSFM - Firefighter Technology III	117
IP33-Firefighter Technology III	NCOSFM TIMS (FIP 7000)	163	NCOSFM - Firefighter Technology III	117
IP51-Emergency Management I	NC Emergency Management I IS-120	55	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-230	56	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-235	55	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-240	54	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-241	54	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-242	55	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-244	55	NC Emergency Management I Certification	29

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IP51-Emergency Management I	NC Emergency Management I IS-288	50	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-703	55	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-706	54	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-909	55	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-2200	54	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I G-271	34	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I G-272	34	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-247	38	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-271	35	NC Emergency Management I Certification	29
IP51-Emergency Management I	NC Emergency Management I IS-393	39	NC Emergency Management I Certification	29
IP52-Emergency Management II	NC Emergency Management II G-386	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II G-393	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II G-557	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II G-191	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II G-108	10	NC Emergency Management II Certification	5

Course	Individual Credential Name	Individual Credentials Earned	Combined Credential Name	Combined Credentials Earned
IP52-Emergency Management II	NC Emergency Management II G-205	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II G-2300	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II G-358	10	NC Emergency Management II Certification	5
IP52-Emergency Management II	NC Emergency Management II IS-559	5	NC Emergency Management II Certification	5

Credential Tiers

North Carolina CTE partners with the North Carolina Department of Commerce for the assignment of tier ranking to each industry-recognized credential. Consideration is given to academic rigor, employment value and industry demand as part of the credential tier assignment process.

- Tier 1 credentials, considered foundational certifications, offer students the opportunity to experience the process of earning an industry-recognized credential and establish a starting point for earning additional, stackable credentials.
- Tier 2 credentials are springboard or door-opener certifications which are sometimes included in industry vacancy notices and potentially provide an advantage for students when seeking employment in a related career. Teachers are awarded a $25.00 bonus for each Tier 2 credential earned by students enrolled in their courses.
- Tier 3 credentials are advanced certifications which are often required for employment and used to leverage higher starting and long-term salaries for employees. Teachers are awarded a $50.00 bonus for each Tier 3 credential earned by students enrolled in their courses.

The following table shows combined credentials aligned to courses by program area and their tier classification.

Table 3. 2024-2025 Credentials Available by Tier

Credential Tier	Program Area	Course	Credential Name
1	Agricultural Education	AA21-Animal Science I	Youth for the Quality Care of Animals (YQCA)
1	Agricultural Education	AA22-Animal Science II - Food Animal	North Carolina Beef Quality Assurance
1	Agricultural Education	AA22-Animal Science II - Food Animal	National Beef Quality Assurance Cow/Calf Certification

Credential Tier	Program Area	Course	Credential Name
1	Agricultural Education	AL11-Agricultural Production I	North Carolina Beef Quality Assurance
1	Agricultural Education	AL11-Agricultural Production I	Youth for the Quality Care of Animals (YQCA)
1	Agricultural Education	AL12-Agricultural Production II	North Carolina Beef Quality Assurance
1	Agricultural Education	AL12-Agricultural Production II	Youth for the Quality Care of Animals (YQCA)
1	Agricultural Education	AL21-Christmas Tree Production I	National Safe Tractor and Machinery Operation Certification
1	Agricultural Education	AL21-Christmas Tree Production I	OSHA 10-hour General Industry Safety and Health
1	Agricultural Education	AN52-Natural Resources II	North Carolina Hunter Education Training
1	Agricultural Education	AS31-Agricultural Mechanics I	OSHA 10-hour General Industry Safety and Health
1	Agricultural Education	AS32-Agricultural Mechanics II	National Safe Tractor and Machinery Operation Certification
1	Agricultural Education	AU22-Sustainable Agriculture Production II	Certified Beekeeper
1	Agricultural Education	IL41-Aquaculture II	North Carolina Boater Education Certificate
1	Business, Finance & Marketing	GS12-Project Management II	PMI Project Management Ready
1	Business, Finance & Marketing	ME11-Entrepreneurship I	Venture Entrepreneurial Expedition
1	Business, Finance & Marketing	ME12-Entrepreneurship II	Entrepreneurship and Small Business

Credential Tier	Program Area	Course	Credential Name
1	Career Development Education	ED45-Career Management	Conover Credential Workplace Readiness Job Readiness
1	Career Development Education	ED45-Career Management	Express Employment Professionals Career Preparedness Certification
1	Career Development Education	ED45-Career Management	Microburst Learning Soft Skills for Success
1	Computer Science & Information Technology	CC10-Microsoft Word and PowerPoint	Microsoft Office Specialist PowerPoint
1	Computer Science & Information Technology	CC10-Microsoft Word and PowerPoint	Microsoft Office Specialist Word
1	Computer Science & Information Technology	CC11-Microsoft Excel	Microsoft Office Specialist Excel
1	Computer Science & Information Technology	CL90-Principles of Technology I	OSHA 10-hour General Industry Safety and Health
1	Computer Science & Information Technology	CL91-Principles of Technology II	OSHA 10-hour General Industry Safety and Health
1	Family & Consumer Sciences	FA32-Apparel and Textile Production II	Pre-Professional Certification in Fashion, Textiles, and Apparel
1	Family & Consumer Sciences	FC14-Counseling and Mental Health II	Pre-Professional Certification in Family and Community Services
1	Family & Consumer Sciences	FE11-Early Childhood Education I	First Aid/CPR/AED
1	Family & Consumer Sciences	FE21-Teaching as a Profession I Honors	Basic School Age Care (BSAC)
1	Family & Consumer Sciences	FH13-Culinary Arts and Hospitality III	Pre-Professional Certification in Culinary Arts
1	Family & Consumer Sciences	FI22-Interior Design Studio	Pre-Professional Certification in Interior Design Fundamentals

Credential Tier	Program Area	Course	Credential Name
1	Family & Consumer Sciences	FN41-Food and Nutrition I	ANSI - Accredited Food Handler Certificate
1	Family & Consumer Sciences	FN42-Food and Nutrition II	Pre-Professional Certification in Nutrition, Food, and Wellness
1	Family & Consumer Sciences	FN43-Food Science and Technology	Pre-Professional Certification in Food Science Fundamentals
1	Health Sciences	HL19-Biomedical Technology II	OSHA 10-hour General Industry Safety and Health
1	Health Sciences	HL21-Biomedical Innovations	OSHA 10-hour General Industry Safety and Health
1	Health Sciences	HL31-Dental Anatomy I	First Aid
1	Health Sciences	HL31-Dental Anatomy I	Stop the Bleed
1	Health Sciences	HL35-Dental Pathology II	BLS Provider
1	Health Sciences	HL35-Dental Pathology II	OSHA 10-hour General Industry Safety and Health
1	Health Sciences	HP70-PLTW Principles of Biomedical Sciences	Stop the Bleed
1	Health Sciences	HP71-PLTW Human Body Systems	First Aid
1	Health Sciences	HP72-PLTW Medical Interventions	CPR/AED
1	Health Sciences	HU40-Health Science I	First Aid
1	Health Sciences	HU42-Health Science II	BLS Provider

Credential Tier	Program Area	Course	Credential Name
1	Health Sciences	HU42-Health Science II	OSHA 10-hour General Industry Safety and Health
1	Health Sciences	HU42-Health Science II	Stop the Bleed
1	Trade & Industrial Education	IC00-Construction Core	OSHA 10-hour Construction Safety and Health
1	Trade & Industrial Education	ID10-Drone Technology Fundamentals	FAA Trust
1	Trade & Industrial Education	ID12-Drone Technology II	ESRI Drone2Map
1	Trade & Industrial Education	IK68-Industrial, Trade, and Technology Applications	OSHA 10-hour General Industry Safety and Health
1	Trade & Industrial Education	IK81-BOAT I: Building on a Tradition	OSHA 10-hour Construction Safety and Health
1	Trade & Industrial Education	IK82-BOAT II: Building on a Tradition	North Carolina Boater Education Certificate
1	Trade & Industrial Education	IL53-Marine Occupations I	North Carolina Boater Education Certificate
1	Trade & Industrial Education	IL80-Construction Technology I	OSHA 10-hour Construction Safety and Health
1	Trade & Industrial Education	IM11-Advanced Manufacturing I	OSHA 10-hour General Industry Safety and Health
1	Trade & Industrial Education	IM21-Woodworking I	OSHA 10-hour Construction Safety and Health
1	Trade & Industrial Education	IM61-Welding Technology I	OSHA 10-hour Construction Safety and Health
1	Trade & Industrial Education	IM61-Welding Technology I	S/P2 Welding

Credential Tier	Program Area	Course	Credential Name
1	Trade & Industrial Education	IP11-Public Safety I	Law and Public Safety Introductory Level Competency
1	Trade & Industrial Education	IP11-Public Safety I	National Incident Management System
1	Trade & Industrial Education	IP12-Public Safety II	Community Emergency Response Team (CERT)
1	Trade & Industrial Education	IP21-Emergency Medical Technology I	BLS Provider
1	Trade & Industrial Education	IP21-Emergency Medical Technology I	National Incident Management System
1	Trade & Industrial Education	IP21-Emergency Medical Technology I	Stop the Bleed
1	Trade & Industrial Education	IP31-Firefighter Technology I	NCOSFM - Firefighter Technology I
1	Trade & Industrial Education	IP32-Firefighter Technology II	NCOSFM - Firefighter Technology II
1	Trade & Industrial Education	IP33-Firefighter Technology III	NCOSFM - Firefighter Technology III
1	Trade & Industrial Education	IT11-Automotive Service Fundamentals	S/P2 Automotive Service Safety
1	Trade & Industrial Education	IT11-Automotive Service Fundamentals	S/P2 Automotive Service Pollution Prevention
1	Trade & Industrial Education	IT30-Collision Repair Fundamentals	S/P2 Collision Repair and Refinish Safety
1	Trade & Industrial Education	IT30-Collision Repair Fundamentals	S/P2 Collision Repair and Refinish Pollution Prevention
2	Agricultural Education	AS33-Agricultural Mechanics II - Small Engines	North Carolina State Competency Exam

Credential Tier	Program Area	Course	Credential Name
2	Business, Finance & Marketing	BA20-Accounting II	QuickBooks Online Certified User
2	Computer Science & Information Technology	CD10-Adobe Visual Design I	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator
2	Computer Science & Information Technology	CD10-Adobe Visual Design I	Adobe Certified Professional - Visual Design Using Adobe Photoshop
2	Computer Science & Information Technology	CD11-Adobe Visual Design II	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
2	Computer Science & Information Technology	CI31-Cybersecurity II	CompTIA Security+
2	Computer Science & Information Technology	CL21-Digital Media II	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator
2	Computer Science & Information Technology	CL21-Digital Media II	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
2	Computer Science & Information Technology	CL21-Digital Media II	Adobe Certified Professional - Visual Design Using Adobe Photoshop
2	Computer Science & Information Technology	CL27-Introduction to Graphic Communications	PrintED Introduction to Graphic Communication
2	Computer Science & Information Technology	CL28-Advertising and Design	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator
2	Computer Science & Information Technology	CL28-Advertising and Design	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
2	Computer Science & Information Technology	CL28-Advertising and Design	Adobe Certified Professional - Visual Design Using Adobe Photoshop
2	Computer Science & Information Technology	CL75-Unity 3D Programming II	Unity Certified User: Programmer
2	Computer Science & Information Technology	CP11-Python Programming II	PCAP Certified Associate in Python Programming

Credential Tier	Program Area	Course	Credential Name
2	Family & Consumer Sciences	FH11-Culinary Arts and Hospitality II App	ANSI - Accredited Food Protection Manager Certification
2	Family & Consumer Sciences	FH12-Culinary Arts and Hospitality II Internship	ANSI - Accredited Food Protection Manager Certification
2	Family & Consumer Sciences	FH31-Hospitality and Tourism Management I	American Hotel and Lodging Association Certified Guest Service Professional
2	Family & Consumer Sciences	FI23-Interior Design Technology	Autodesk Certified User in Revit for Architectural Design
2	Family & Consumer Sciences	FN42-Food and Nutrition II	ANSI - Accredited Food Protection Manager Certification
2	Family & Consumer Sciences	FN43-Food Science and Technology	AMSA Food Safety and Science Certification
2	Health Sciences	HN43-Nursing Fundamentals and Practicum	North Carolina Nurse Aide I
2	Health Sciences	HN44-Fundamentals of Gerontology	Nurse Aide I - Geriatric Aide Endorsement
2	Health Sciences	HN45-Public Health Fundamentals	Nurse Aide I - Home Care Aide Endorsement
2	Trade & Industrial Education	IC00-Construction Core	NC NCCER - Construction Core
2	Trade & Industrial Education	IC11-Masonry I	NC NCCER - Masonry I
2	Trade & Industrial Education	IC12-Masonry II	NC NCCER - Masonry II
2	Trade & Industrial Education	IC21-Carpentry I	NC NCCER - Carpentry I
2	Trade & Industrial Education	IC22-Carpentry II	NC NCCER - Carpentry II

Credential Tier	Program Area	Course	Credential Name
2	Trade & Industrial Education	IC31-HVACR I	NC NCCER - HVACR I
2	Trade & Industrial Education	IC32-HVACR II	NC NCCER - HVACR II
2	Trade & Industrial Education	IC41-Electrical Trades I	NC NCCER - Electrical Trades I
2	Trade & Industrial Education	IC42-Electrical Trades II	NC NCCER - Electrical Trades II
2	Trade & Industrial Education	IC51-Plumbing I	NC NCCER - Plumbing I
2	Trade & Industrial Education	IC52-Plumbing II	NC NCCER - Plumbing II
2	Trade & Industrial Education	IC61-Drafting I	Autodesk Certified User AutoCAD
2	Trade & Industrial Education	IC62-Drafting II - Architectural	Autodesk Certified User in Revit for Architectural Design
2	Trade & Industrial Education	IC71-Solar Photovoltaics I	NC NCCER - Solar Photovoltaics I
2	Trade & Industrial Education	IC72-Solar Photovoltaics II	NC NCCER - Solar Photovoltaics II
2	Trade & Industrial Education	ID11-Drone Technology I	14 CFR Part 107 Small Unmanned Aircraft Systems (sUAS)
2	Trade & Industrial Education	ID12-Drone Technology II	NFPA 2400
2	Trade & Industrial Education	IK26-Advanced Transportation Technology	ASE Entry-Level Certification - Maintenance and Light Repair
2	Trade & Industrial Education	IK68-Industrial, Trade, and Technology Applications	Certified Manufacturing Associate (CMfgA)

Credential Tier	Program Area	Course	Credential Name
2	Trade & Industrial Education	IK88-Electronics I	ETA EM1
2	Trade & Industrial Education	IK89-Electronics II	ETA EM4
2	Trade & Industrial Education	IK90-Electronics III	ETA EM2
2	Trade & Industrial Education	IL54-Marine Occupations II	NC NCCER - Maritime Pipefitting Level 1
2	Trade & Industrial Education	IL73-Marine Occupations III	NC NCCER - Maritime Structural Fitting
2	Trade & Industrial Education	IL80-Construction Technology I	NC NCCER - Construction Technology I
2	Trade & Industrial Education	IL81-Construction Technology II	NC NCCER - Construction Technology II
2	Trade & Industrial Education	IM11-Advanced Manufacturing I	Certified Production Technician (CPT) - Maintenance Awareness
2	Trade & Industrial Education	IM11-Advanced Manufacturing I	Certified Production Technician (CPT) - Safety
2	Trade & Industrial Education	IM12-Advanced Manufacturing II	Certified Production Technician (CPT) - Manufacturing Processes and Production
2	Trade & Industrial Education	IM12-Advanced Manufacturing II	Certified Production Technician (CPT) - Quality Practices and Measurement
2	Trade & Industrial Education	IM22-Woodworking II	Woodwork Career Alliance (WCA) Sawblade Certificate
2	Trade & Industrial Education	IM41-Metals Manufacturing Technology I	NIMS Measurement, Materials, and Safety
2	Trade & Industrial Education	IM42-Metals Manufacturing Technology II	NIMS Job Planning, Benchwork, and Layout

Credential Tier	Program Area	Course	Credential Name
2	Trade & Industrial Education	IM43-Metals Manufacturing Technology III	NIMS Milling I
2	Trade & Industrial Education	IM61-Welding Technology I	AWS SENSE Entry Welder Program - Thermal Cutting Process
2	Trade & Industrial Education	IM62-Welding Technology II	AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process
2	Trade & Industrial Education	IM63-Welding Technology III	AWS SENSE Entry Welder Program - Flux Cored Arc Welding Process
2	Trade & Industrial Education	IM63-Welding Technology III	AWS SENSE Entry Welder Program - Gas Metal Arc Welding Process
2	Trade & Industrial Education	IP12-Public Safety II	NECI 9-1-1 Officer
2	Trade & Industrial Education	IP42-Law and Justice II	Certified Protection Officer (CPO)
2	Trade & Industrial Education	IP51-Emergency Management I	NC Emergency Management I Certification
2	Trade & Industrial Education	IP52-Emergency Management II	NC Emergency Management II Certification
2	Trade & Industrial Education	IT17-Automotive Service II	ASE Entry-Level Certification - Maintenance and Light Repair
2	Trade & Industrial Education	IT18-Automotive Service III	ASE Entry-Level Certification - Electrical/Electronic Systems
2	Trade & Industrial Education	IT33-Collision Repair II - Refinishing	ASE Entry-Level Certification - Painting and Refinishing
2	Trade & Industrial Education	IV22-Drafting II - Engineering	Autodesk Certified User in Inventor for Mechanical Design
2	Trade & Industrial Education	IV22-Drafting II - Engineering	SolidWorks CAD Design Associate (CSWA)

Credential Tier	Program Area	Course	Credential Name
3	Agricultural Education	AA32-Equine Science II	NHJTCA Equine Management and Evaluation Certification
3	Agricultural Education	AA41-Veterinary Assisting	Certified Veterinary Assistant
3	Agricultural Education	AA41-Veterinary Assisting	Elanco Veterinary Medical Applications Certification
3	Agricultural Education	AL43-Turfgrass Management	NC Private Pesticide Applicator
3	Agricultural Education	AS32-Agricultural Mechanics II	Certified Welders per Welding Code AWS D1.1
3	Business, Finance & Marketing	ML05-Introduction to Customer Relationship Management	Salesforce Administrator Certification
3	Computer Science & Information Technology	CC11-Microsoft Excel	Microsoft Office Specialist Excel Expert
3	Computer Science & Information Technology	CD12-Adobe Digital Design I	Adobe Certified Professional - Web Authoring Using Adobe Dreamweaver
3	Computer Science & Information Technology	CD14-Adobe Video Design I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
3	Computer Science & Information Technology	CD21-3D Modeling and Animation II	Autodesk Certified User 3DS Max
3	Computer Science & Information Technology	CD21-3D Modeling and Animation II	Autodesk Certified User Maya
3	Computer Science & Information Technology	CI00-CompTIA IT Fundamentals	CompTIA IT Fundamentals+ (ITF+)
3	Computer Science & Information Technology	CI01-Computer Engineering Technology I	CompTIA A+ (Core 1)
3	Computer Science & Information Technology	CI02-Computer Engineering Technology II	CompTIA A+ (Core 2)

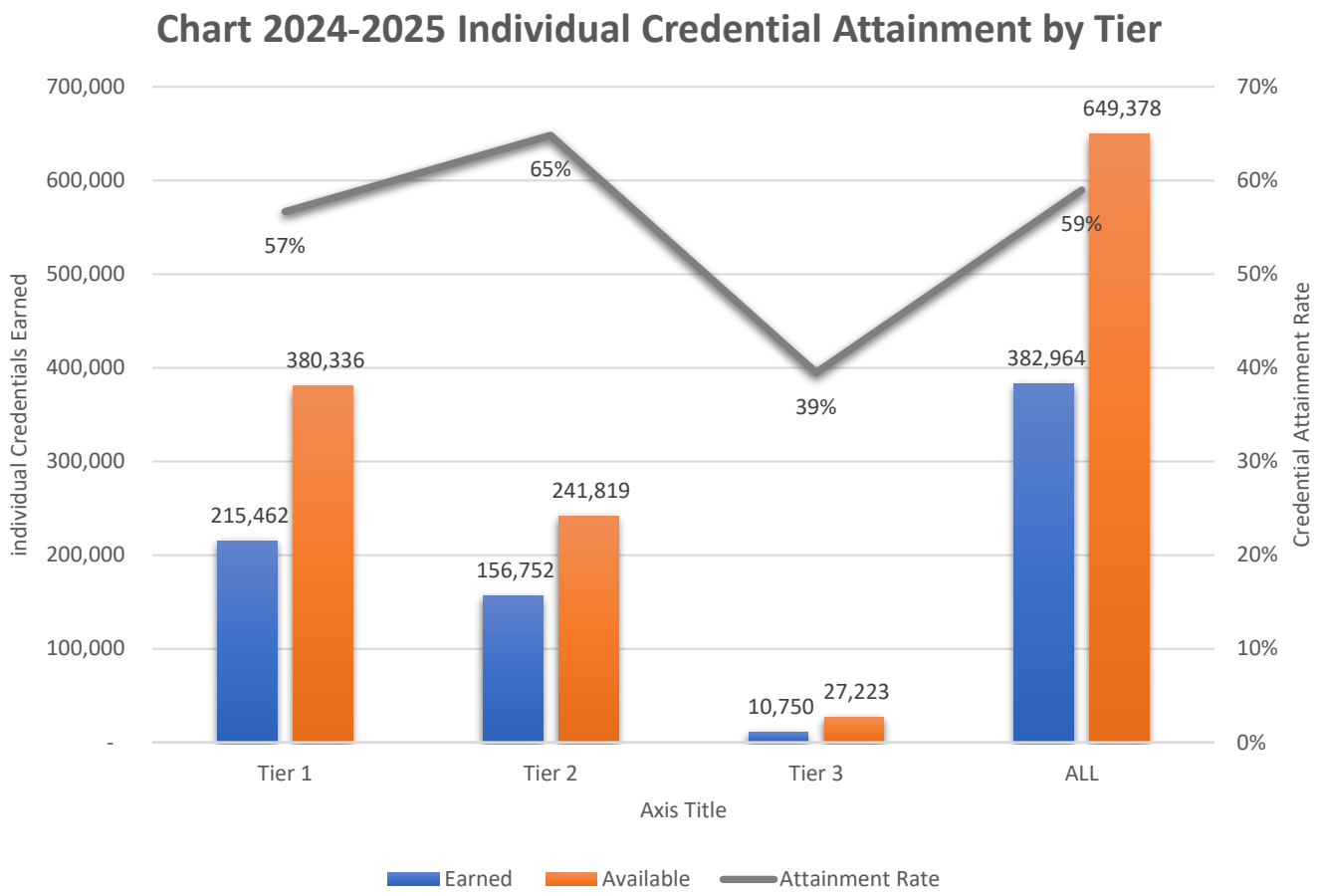
Credential Tier	Program Area	Course	Credential Name
3	Computer Science & Information Technology	CI21-Network Administration II	CompTIA Network+
3	Computer Science & Information Technology	CL06-Film, Television, and Video Production I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
3	Computer Science & Information Technology	CL07-Film, Television, and Video Production II: News Production	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
3	Computer Science & Information Technology	CL21-Digital Media II	Adobe Certified Professional - Web Authoring Using Adobe Dreamweaver
3	Computer Science & Information Technology	CL21-Digital Media II	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
3	Computer Science & Information Technology	CL31-3D Modeling II	Autodesk Certified User 3DS Max
3	Computer Science & Information Technology	CL60-Fundamentals of Information Security I	CompTIA A+ (Core 1)
3	Computer Science & Information Technology	CL60-Fundamentals of Information Security I	CompTIA A+ (Core 2)
3	Computer Science & Information Technology	CL60-Fundamentals of Information Security I	CompTIA IT Fundamentals+ (ITF+)
3	Computer Science & Information Technology	CP20-Develop in Swift Explorations	App Development with Swift Associate
3	Computer Science & Information Technology	CP21-Develop in Swift Fundamentals	App Development with Swift Certified User
3	Computer Science & Information Technology	CR18-SREB AC IST Creativity and Innovations	NI Certified LabVIEW Associate Developer (CLAD)
3	Computer Science & Information Technology	CS31-SAS Base Programming	SAS Certified Specialist Base Programming Using SAS 9.4
3	Family & Consumer Sciences	FE11-Early Childhood Education I	North Carolina Early Childhood Credential

Credential Tier	Program Area	Course	Credential Name
3	Family & Consumer Sciences	FH13-Culinary Arts and Hospitality III	Certified Fundamentals Cook (CFC)
3	Family & Consumer Sciences	FH13-Culinary Arts and Hospitality III	ProStart National Certificate of Achievement (COA)
3	Health Sciences	HH32-Pharmacy Technician	CPhT Certified Pharmacy Technician
3	Trade & Industrial Education	IC13-Masonry III	NC NCCER - Masonry III
3	Trade & Industrial Education	IC23-Carpentry III	NC NCCER - Carpentry III
3	Trade & Industrial Education	IC33-HVACR III	NC NCCER - HVACR III
3	Trade & Industrial Education	IC43-Electrical Trades III	NC NCCER - Electrical Trades III
3	Trade & Industrial Education	IC53-Plumbing III	NC NCCER - Plumbing III
3	Trade & Industrial Education	IC63-Drafting III - Architectural	Autodesk Certified Professional in Revit for Architectural Design
3	Trade & Industrial Education	IE74-SREB AC Projects in Automated Materials Joining	NI Certified LabVIEW Associate Developer (CLAD)
3	Trade & Industrial Education	IM14-Manufacturing Robotics	FANUC Certified Robot Operator
3	Trade & Industrial Education	IM62-Welding Technology II	Certified Welder per Welding Code AWS D1.1 (SMAW)
3	Trade & Industrial Education	IM63-Welding Technology III	Certified Welder per Welding Code AWS D1.1 (FCAW)
3	Trade & Industrial Education	IM63-Welding Technology III	Certified Welder per Welding Code AWS D1.1 (GMAW)

Credential Tier	Program Area	Course	Credential Name
3	Trade & Industrial Education	IP21-Emergency Medical Technology I	Emergency Medical Responder (EMR)
3	Trade & Industrial Education	IP22-Emergency Medical Technology II	Emergency Medical Technician (EMT)
3	Trade & Industrial Education	IP41-Law and Justice I	National Law Enforcement Certification SPSS
3	Trade & Industrial Education	IT32-Collision Repair II - Non-Structural	I-CAR ProLevel 1 for Non-Structural
3	Trade & Industrial Education	IT33-Collision Repair II - Refinishing	I-CAR ProLevel 1 for Refinishing
3	Trade & Industrial Education	IV23-Drafting III - Engineering	Autodesk Certified Professional in Inventor for Mechanical Design
3	Trade & Industrial Education	IV23-Drafting III - Engineering	SolidWorks CAD Design Professional (CSWP)
3	Trade & Industrial Education	TR14-SREB AC Design for the Production of Advanced Products	NI Certified LabVIEW Associate Developer (CLAD)
3	Trade & Industrial Education	TR24-SREB AC Advanced Science and Engineered Systems	NI Certified LabVIEW Associate Developer (CLAD)
3	Trade & Industrial Education	TR34-SREB AC Clean Energy Innovations	NI Certified LabVIEW Associate Developer (CLAD)

The following chart illustrates the number of individual credentials earned, available credentials and credential attainment rate at each tier level for 2024-2025.

Chart 2. 2024-2025 Individual Credential Attainment by Tier



Equity and Access

North Carolina CTE is committed to closing opportunity gaps across all aspects of the CTE program. Advance CTE's premise that "we have a critical responsibility to ensure that each learner has opportunities for career success and is supported in identifying and realizing their goals" is embraced across the state in the work to construct high-quality CTE programs of study. Critical to this work is data analysis to explore where gaps exist, careful reflection to identify root causes for opportunity gaps, and intentional action plan implementation to address causes that lead to opportunity gaps.

The table below shows a breakdown of credential results by multiple student groups.

- The green column reports the percentage of students in CTE courses with credential opportunities from each student group and is used as the comparison data.
- Data points highlighted in orange are student groups with an underrepresentation of 10 or more percentage points when compared to the comparison data.
- Data points highlighted in blue are student groups with an overrepresentation of 10 or more percentage points when compared to the comparison data.

Table 4. 2024-2025 Individual Credential Attainment by Student Group

Student Group	NC Public Schools[1]	NC CTE Enrollment	CTE Enrollment with Credential Opportunities	Overall Credential Attainment	Tier 1 Credential Attainment	Tier 2 Credential Attainment	Tier 3 Credential Attainment
Female	49%	45%	44%	36%	49%	18%	37%
Male	51%	55%	56%	64%	51%	82%	63%
AmerInd	1%	1%	1%	1%	1%	1%	1%
Asian	4%	4%	3%	3%	3%	2%	8%
Black	24%	25%	24%	19%	23%	14%	14%
Hispanic	23%	22%	22%	22%	21%	23%	14%
PacIsl	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Two or More	6%	5%	5%	5%	5%	4%	5%
White	42%	42%	44%	50%	46%	55%	57%
ML	12%	8%	7%	7%	6%	8%	3%
EDS	50%	47%	47%	47%	47%	47%	33%
SWD	13%	8%	8%	8%	8%	9%	5%

[1] *NC Public Schools data obtained from the NC Public Schools Statistical Profile.*

Observations

- Female students are underrepresented in CTE enrollment with credential opportunities by five percentage points compared to all NC public schools enrollment. Likewise, male students are overrepresented in CTE enrollment with credential opportunities by five percentage points. The gaps in credential attainment described below could be attributed to the opportunity gaps in CTE enrollment with credential opportunities for female and male students.
- Female students are underrepresented in overall credential attainment by eight percentage points while male students are overrepresented by the same margin.
- Female students are significantly underrepresented in Tier 2 and Tier 3 credential attainment.
- Black students are underrepresented in Tier 2 and Tier 3 credential attainment by 10 percentage points while white students are overrepresented in Tier 2 and Tier 3 credential attainment by more than 10 percentage points.
- Students who are economically disadvantaged are underrepresented in Tier 3 credential attainment by 14 percentage points.

Trend Data

North Carolina CTE monitors data to identify trends over time. The last three years have shown that opportunity gaps in Tier 2 credentials persist with an underrepresentation of female students and black students earning those credentials of value. However, the number of Tier 3 credentials being earned by all student groups has improved over the three-year window. Similarly, opportunity gaps across racial groups have continued to improve over the same window of time.

The tables below outline credential attainment trend data by student group over the last three years. Credential attainment data for special populations groups was not reported prior to the 2024-2025 academic year.

Table 5a. Tier 1 Credential Attainment Trend Data by Student Group

Student Group	2022-2023	2023-2024	2024-2025	Comparison Population 2024-2025
Female	52%	50%	49%	44%
Male	48%	50%	51%	56%
American Indian/Alaska Native	1%	1%	1%	1%
Asian	4%	3%	3%	3%
Black	20%	24%	23%	24%
Hispanic/Latino	19%	20%	21%	22%
Native Hawaiian/Pacific Islander	<1%	<1%	<1%	<1%
Two or More Races	5%	5%	5%	5%
White	51%	46%	46%	44%
Multilingual Learner	NA	NA	6%	7%
Economically Disadvantaged	NA	NA	47%	47%
Students with Disabilities	NA	NA	8%	8%

Table 5b. Tier 2 Credential Attainment Trend Data by Student Group

Student Group	2022-2023	2023-2024	2024-2025	Comparison Population 2024-2025
Female	34%	18%	18%	44%
Male	66%	82%	82%	56%
American Indian/Alaska Native	1%	1%	1%	1%
Asian	4%	2%	2%	3%
Black	14%	13%	14%	24%
Hispanic/Latino	18%	22%	23%	22%
Native Hawaiian/Pacific Islander	<1%	<1%	<1%	<1%
Two or More Races	5%	4%	4%	5%
White	58%	57%	55%	44%
Multilingual Learner	NA	NA	8%	7%
Economically Disadvantaged	NA	NA	47%	47%
Students with Disabilities	NA	NA	9%	8%

Table 5c. Tier 3 Credential Attainment Trend Data by Student Group

Student Group	2022-2023	2023-2024	2024-2025	Comparison Population 2024-2025
Female	38%	36%	37%	44%
Male	62%	64%	63%	56%
American Indian/Alaska Native	<1%	<1%	1%	1%
Asian	9%	8%	8%	3%
Black	12%	14%	14%	24%
Hispanic/Latino	14%	16%	14%	22%
Native Hawaiian/Pacific Islander	<1%	<1%	<1%	<1%
Two or More Races	4%	5%	5%	5%
White	60%	57%	57%	44%
Multilingual Learner	NA	NA	3%	7%
Economically Disadvantaged	NA	NA	33%	47%
Students with Disabilities	NA	NA	5%	8%

CAREER READINESS CREDENTIAL ATTAINMENT

North Carolina recognizes four specific credentials that address a student's career readiness. Also referred to as durable skills, career readiness credentials indicate the credential holder's competency across multiple characteristics needed for success across all careers. Three such credentials are aligned to ED45-Career Management: Conover Workplace Readiness, Microburst Learning Employers' Choice: EmployABILITY Soft Skills for Job Success, and Express Employment Professionals Career Preparedness Certification. These credentials measure knowledge in areas such as social media and the workplace, attitude, critical thinking and acceptable workplace behaviors.

The chart below outlines trend data for credential attainment in ED45-Career Management.

Table 6. Career Readiness Credential Attainment

Career Readiness Credential Name	2022-2023	2023-2024	2024-2025
Conover Credential Workplace Readiness Job Readiness	4,381	4,288	4,632
Express Employment Professionals Career Preparedness Certification	660	631	669
Microburst Learning Soft Skills for Success	713	1,013	1,089
Total Career Readiness Credentials Earned	**5,754**	**5,932**	**6,390**

The fourth career readiness credential is the ACT WorkKeys®. While not aligned with any one CTE course, this set of assessments is used to measure student employability skills in three areas: Applied Mathematics, Graphic Literacy and Workplace Documents. The ACT WorkKeys® assessments are administered to CTE concentrators in their anticipated graduation year. CTE concentrators are students who successfully complete a CTE course sequence in a designated career pathway.

ACT WorkKeys® participants who reach benchmark scores on the ACT WorkKeys® assessments receive a National Career Readiness Certificate™ (NCRC™), which is available at four levels: Platinum, Gold, Silver and Bronze. Employers use the NCRC™ as a screening tool when hiring to improve the quality of their workforce and to help potential employees understand the level of performance necessary to be successful in a career field.

ACT WorkKeys® results are available through the Accountability Model Results.

CONNECTION TO NC WORKFORCE CREDENTIALS

Many credentials earned by NC CTE secondary students are identified by the NC Workforce Credentials (NCWFC) as “priority non-degree credentials that are valued by employers and put those who earn them on a path to a sustainable wage career” (NC Careers). The table below highlights the credential attainment by NC CTE students across the credentials offered in high school courses and identified by the NCWFC.

- For the 2024-2025 academic year, NC CTE students earned 70,182 credentials that are aligned to the NCWFC credential list. This represents an increase of 436 from the NCWFC credentials earned by NC CTE students in the previous academic year.
- North Carolina CTE offers 56 of the approximately 182 NCWFC credentials and reported earned credentials across 50 of these credentials.

Table 7. NC Workforce Credentials and NC CTE Attainment

Career Cluster	NCWFC Level	Credential Name	NCCTE Earned	NCCTE Credential Tier
Agriculture, Food & Natural Resources	Essential	Small Engine Repair	314	2
Agriculture, Food & Natural Resources	Foundation	The American Meat Science Association (AMSA) Food Safety & Science Certification	60	2
Agriculture, Food & Natural Resources	Foundation	Certified Veterinary Assistant	58	3
Agriculture, Food & Natural Resources	Foundation	The Elanco Veterinary Medical Applications Certification	276	3
Architecture & Construction	Career	Autodesk Certified User AutoCAD	3,235	2

Career Cluster	NCWFC Level	Credential Name	NCCTE Earned	NCCTE Credential Tier
Architecture & Construction	Career	Autodesk Certified User Inventor	519	2
Architecture & Construction	Career	Autodesk Certified User Revit	1,001	2
Architecture & Construction	Career	Certified SolidWorks Associate (CSWA)	50	2
Architecture & Construction	Career	NCCER Carpentry Level I, II, III	3,680	2
Architecture & Construction	Career	NCCER Electrical Level I, II, III	1,138	2
Architecture & Construction	Career	NCCER Masonry Level I, II, III	1,511	2
Architecture & Construction	Career	Autodesk Certified Professional Revit	6	3
Architecture & Construction	Essential	AWS SENSE - Thermal Cutting Process	135	2
Architecture & Construction	Essential	AWS SENSE- Flux Cored Arc Welding (FCAW)	23	2
Architecture & Construction	Essential	AWS SENSE- Gas Metal Arc Welding (GMAW)	29	2
Architecture & Construction	Essential	AWS SENSE- Shielded Metal Arc Welding (SMAW)	143	2
Architecture & Construction	Essential	AWS Certified Welder	237	3
Architecture & Construction	Foundation	WCA Sawblade Certificate	508	2
Arts, A/V Technology & Communications	Career	Adobe Certified Professional-Adobe Illustrator	7,338	2

Career Cluster	NCWFC Level	Credential Name	NCCTE Earned	NCCTE Credential Tier
Arts, A/V Technology & Communications	Career	Adobe Certified Professional-Adobe InDesign	2,045	2
Arts, A/V Technology & Communications	Career	Adobe Certified Professional-Adobe Photoshop	8,718	2
Arts, A/V Technology & Communications	Career	Adobe Certified Professional-Adobe Dreamweaver	85	3
Arts, A/V Technology & Communications	Career	Adobe Certified Professional-Adobe Premiere Pro	2,318	3
Business, Management & Administration	Essential	Intuit QuickBooks Certified User	241	2
Business, Management & Administration	Essential	Microsoft Office Specialist 2016 or above Excel Expert	2,669	3
Business, Management & Administration	Foundation	Microsoft Office Specialist 2016 or above Excel Core	3,601	1
Education & Training	Essential	NC: Early Childhood Credential (NCECC) Equivalency	668	3
Health Sciences	Essential	NC: Nurse Aide I	1,561	2
Health Sciences	Essential	NC: Pharmacy Technician Certification	119	3
Hospitality & Tourism	Career	ProStart National Certificate of Achievement (COA)	25	3
Hospitality & Tourism	Essential	Certified Fundamentals Cook (CFC)	14	3
Hospitality & Tourism	Foundation	ServSafe Food Handler	18,925	1
Hospitality & Tourism	Foundation/ Essential	Certified Food Protection Manager (CFPM) / ServSafe Food Manager	4,320	2

Career Cluster	NCWFC Level	Credential Name	NCCTE Earned	NCCTE Credential Tier
Information Technology	Career	CompTIA Security +	25	2
Information Technology	Career	CompTIA CySA+	52	3
Information Technology	Career	CompTIA Network +	18	3
Information Technology	Essential	CompTIA IT Fundamentals	376	3
Law, Public, Safety, Corrections & Security	Advanced	NC: Emergency Management Certification I & II	34	2
Law, Public, Safety, Corrections & Security	Essential	NECI: Basic 911 Communication Certification	1,024	2
Law, Public, Safety, Corrections & Security	Essential	Emergency Medical Technician (EMT)	67	3
Law, Public, Safety, Corrections & Security	Foundation	Fire Fighter I & II	465	1
Manufacturing	Career	Certified Production Technician 4.0 (CPT 4.0)	1,037	2
Manufacturing	Career	ETA Associate Certified Electronics Technician (CETa)	73	2
Manufacturing	Essential	NIMS Job Planning, Benchmark, and Layout	92	2
Manufacturing	Essential	NIMS Machining Level I - Measurement, Materials, and Safety Certifications	125	2
Manufacturing	Essential	NIMS Milling I	6	2
Transportation, Distribution, & Logistics	Essential	ASE - Entry-Level Certification: Automobile	875	2

Career Cluster	NCWFC Level	Credential Name	NCCTE Earned	NCCTE Credential Tier
Transportation, Distribution, & Logistics	Essential	FAA Remote (Drone) Pilot Certificate (Part 107)	255	2
Transportation, Distribution, & Logistics	Essential	ICAR Non-Structural Technician ProLevel I	43	3
Transportation, Distribution, & Logistics	Essential	ICAR Refinish Technician ProLevel I	45	3

STATEWIDE CREDENTIAL RESULTS

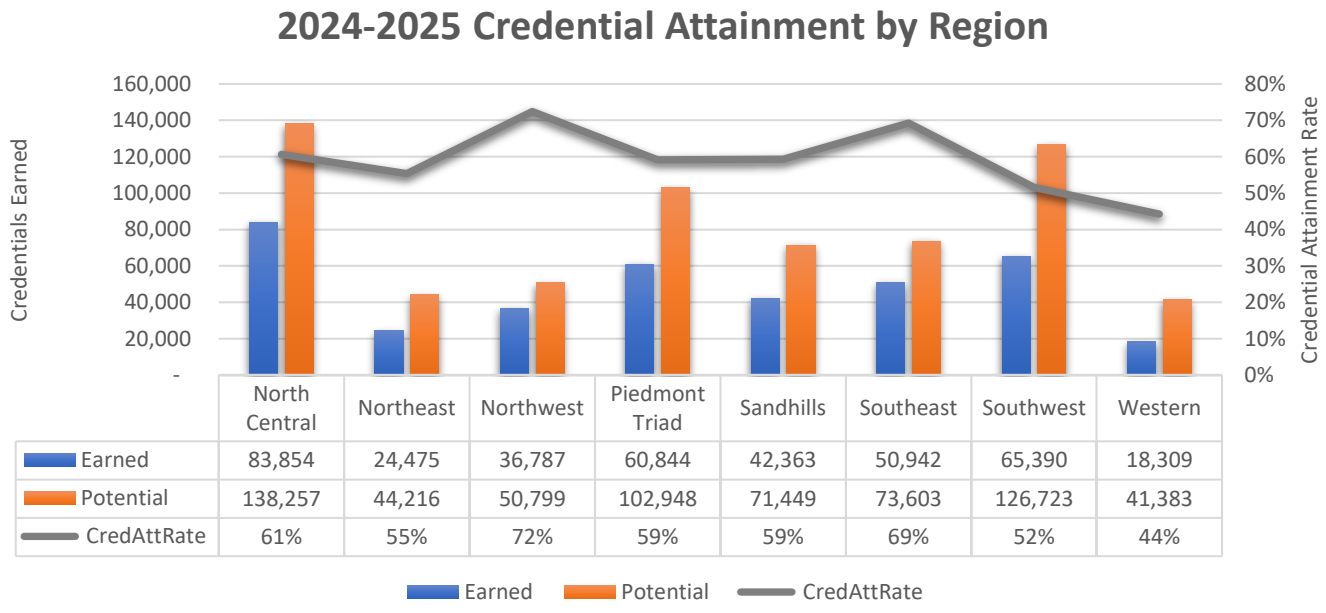
Credentials earned and reported by students during the 2024-2025 academic year can be examined by region, by PSU, by course and by credential. Statewide results include the number of credentials earned, total number of credentials available (credential potential), and attainment rate.

Statewide Regional Results

The following chart shows the earned credentials, credential potential and credential attainment rate by region.

- The highest number of individual credentials earned by region was 86,033 in the North Central Region.
- The highest credential attainment rate by region was 73% in the Northwest Region.
- All regions reported a credential attainment rate between 45% and 73%.
- The statewide credential attainment rate for 2024-2025 was 58%, which is an increase of five percentage points over the previous year.

Chart 3. Credential Attainment by Region



Public School Unit Results Overview

Students in 144 Public School Units (PSUs), including 115 traditional and 29 charter and specialty schools, earned and reported credential attainment in the 2024-2025 academic year. The following charts highlight the top ten PSUs based on the number of individual credentials earned and individual credential attainment rate. The comparison of credential attainment rate, or credential potential, creates a consistent analysis point by comparing the available credentials to the earned credentials in each PSU. The three-year comparison data indicates that the additional funding, focus on intentional credentialing of students, and attention to credential potential attainment rate has yielded tremendous results in credential attainment across multiple PSUs.

Table 8. 2023-2024 Highest Number of Earned Credentials

Public School Unit (PSU)	Region	2024-2025	2023-2024	2022-2023
Wake County Schools (920)	North Central	32,630	29,424	28,135
Cumberland County Schools (260)	Sandhills	14,985	16,944	16,012
Charlotte-Mecklenburg Schools (600)	Southwest	13,315	11,517	9,833
Union County Public Schools (900)	Southwest	12,854	13,161	12,985
Guilford County Schools (410)	Piedmont Triad	12,290	10,768	8,250
Onslow County Schools (670)	Southeast	11,226	9,390	5,925
Harnett County Schools (430)	North Central	11,121	9,470	8,769
Randolph County School System (760)	Piedmont Triad	9,377	7,369	8,342
Pitt County Schools (740)	Northeast	8,426	8,047	6,020
Davidson County Schools (290)	Piedmont Triad	8,090	7,100	8,893

Table 9. 2024-2025 Highest Credential Attainment Rate

Public School Unit (PSU)	Region	Earned	Potential	Attainment Rate
Transylvania County Schools (880)	Western	2,168	2,428	89.29%
Pender County Schools (710)	Southeast	7,427	8,413	88.28%
Elkin City Schools (861)	Piedmont Triad	340	388	87.63%
Mitchell County Schools (610)	Northwest	1,420	1,623	87.49%
Jones County Schools (520)	Southeast	818	941	86.93%
Burke County Schools (120)	Northwest	6,959	8,011	86.87%
Yancey County Schools (995)	Northwest	1,217	1,431	85.05%
Gates County Schools (370)	Northeast	568	676	84.02%
Dare County Schools (280)	Northeast	2,486	2,986	83.26%
Duplin County Schools (310)	Southeast	4,144	5,024	82.48%

Credential Attainment Rate by PSU

Credential attainment rate is the percentage of students who earned credentials available to them through their CTE coursework. The table below outlines credential attainment rate by PSU.

Table 10. 2024-2025 Credential Attainment Rate by PSU

Public School Unit (PSU)	Earned	Potential	Attainment Rate
Alamance-Burlington Schools (10)	7,159	17,457	41.0%
Alexander County Schools (20)	2,561	3,668	69.8%
Alleghany County Schools (30)	1,613	2,189	73.7%
Anson County Schools (40)	1,090	2,285	47.7%
Ashe County Schools (50)	1,859	2,697	68.9%
Avery County Schools (60)	557	1,198	46.5%
Beaufort County Schools (70)	2,339	5,024	46.6%
Bertie County Schools (80)	241	2,242	10.7%
Bladen County Schools (90)	2,124	3,422	62.1%
Brunswick County Schools (100)	3,886	5,118	75.9%
Buncombe County Schools (110)	2,979	8,273	36.0%
Asheville City Schools (111)	362	842	43.0%
Burke County Schools (120)	6,959	8,011	86.9%
Cabarrus County Schools (130)	6,345	12,412	51.1%
Kannapolis City Schools (132)	2,276	5,256	43.3%
Caldwell County Schools (140)	6,230	8,610	72.4%
Camden County Schools (150)	884	1,140	77.5%
Carteret County Public Schools (160)	3,689	5,215	70.7%
Caswell County Schools (170)	328	1,620	20.2%
Catawba County Schools (180)	7,270	8,927	81.4%
Hickory City Schools (181)	938	1,712	54.8%
Newton Conover City Schools (182)	1,086	1,912	56.8%
Chatham County Schools (190)	5,395	6,694	80.6%
Cherokee County Schools (200)	1,491	2,496	59.7%
Cherokee (209)	19	200	9.5%
Edenton-Chowan Schools (210)	629	1,262	49.8%

Public School Unit (PSU)	Earned	Potential	Attainment Rate
Clay County Schools (220)	381	590	64.6%
Cleveland County Schools (230)	3,220	9,879	32.6%
Columbus County Schools (240)	1,806	3,510	51.5%
Whiteville City Schools (241)	814	1,792	45.4%
Craven County Schools (250)	2,636	5,969	44.2%
Cumberland County Schools (260)	14,985	24,955	60.0%
Currituck County Schools (270)	1,153	2,664	43.3%
Dare County Schools (280)	2,486	2,986	83.3%
Davidson County Schools (290)	8,090	13,981	57.9%
Lexington City Schools (291)	1,199	2,029	59.1%
Thomasville City Schools (292)	54	2,598	2.1%
Governor Morehead School for the Blind (298)	1	25	4.0%
Davie County Schools (300)	2,271	3,025	75.1%
Duplin County Schools (310)	4,144	5,024	82.5%
Durham Public Schools (320)	3,795	7,164	53.0%
Edgecombe County Public Schools (330)	1,266	2,020	62.7%
Winston Salem / Forsyth County Schools (340)	7,278	13,830	52.6%
Franklin County Schools (350)	3,313	6,248	53.0%
Gaston County Schools (360)	7,423	12,312	60.3%
Gates County Schools (370)	568	676	84.0%
Graham County Schools (380)	423	543	77.9%
Granville County Schools (390)	2,592	3,579	72.4%
Greene County Schools (400)	1,436	1,813	79.2%
Guilford County Schools (410)	12,290	17,587	69.9%
Halifax County Schools (420)	279	1,106	25.2%
Roanoke Rapids City Schools (421)	1,759	2,266	77.6%
Weldon City Schools (422)	217	408	53.2%
Harnett County Schools (430)	11,121	13,920	79.9%
Haywood County Schools (440)	1,216	3,593	33.8%
Henderson County Schools (450)	1,657	5,197	31.9%

Public School Unit (PSU)	Earned	Potential	Attainment Rate
Hertford County Schools (460)	423	680	62.2%
Hoke County Schools (470)	4,654	6,715	69.3%
Hyde County Schools (480)	230	460	50.0%
Iredell-Statesville Schools (490)	3,315	10,782	30.7%
Mooresville Graded School District (491)	2,325	3,096	75.1%
Jackson County Public Schools (500)	836	1,977	42.3%
Johnston County Public Schools (510)	6,708	12,969	51.7%
Jones County Schools (520)	818	941	86.9%
Lee County Schools (530)	1,365	5,677	24.0%
Lenoir County Public Schools (540)	2,721	4,819	56.5%
Lincoln County Schools (550)	2,737	3,354	81.6%
Macon County Schools (560)	2,125	3,816	55.7%
Madison County Schools (570)	600	953	63.0%
Martin County Schools (580)	324	1,292	25.1%
McDowell County Schools (590)	1,648	2,905	56.7%
Charlotte-Mecklenburg Schools (600)	13,315	33,704	39.5%
Mitchell County Schools (610)	1,420	1,623	87.5%
Montgomery County Schools (620)	588	1,746	33.7%
Moore County Schools (630)	4,583	5,782	79.3%
Nash County Public Schools (640)	5,155	8,726	59.1%
New Hanover County Schools (650)	4,619	8,519	54.2%
Northampton County Schools (660)	466	813	57.3%
Onslow County Schools (670)	11,226	16,317	68.8%
Orange County Schools (680)	1,102	2,024	54.4%
Chapel Hill-Carrboro City Schools (681)	1,504	2,026	74.2%
Pamlico County Schools (690)	313	701	44.7%
Elizabeth City-Pasquotank Public Schools (700)	2,962	4,084	72.5%
Pender County Schools (710)	7,427	8,413	88.3%
Perquimans County Schools (720)	430	633	67.9%
Person County Schools (730)	1,801	3,100	58.1%

Public School Unit (PSU)	Earned	Potential	Attainment Rate
Pitt County Schools (740)	8,426	14,973	56.3%
Polk County Schools (750)	761	2,336	32.6%
Randolph County School System (760)	9,377	12,943	72.4%
Asheboro City Schools (761)	641	1,150	55.7%
Richmond County Schools (770)	3,283	4,339	75.7%
Public Schools of Robeson County (780)	3,979	9,743	40.8%
Rockingham County Schools (790)	2,702	3,561	75.9%
Rowan-Salisbury Schools (800)	5,823	7,851	74.2%
Rutherford County Schools (810)	2,648	6,650	39.8%
Sampson County Schools (820)	1,511	2,814	53.7%
Clinton City Schools (821)	1,071	1,485	72.1%
Scotland County Schools (830)	2,965	5,146	57.6%
Stanly County Schools (840)	4,498	5,830	77.2%
Stokes County Schools (850)	2,495	3,155	79.1%
Surry County Schools (860)	2,650	4,146	63.9%
Elkin City Schools (861)	340	388	87.6%
Mount Airy City Schools (862)	716	1,197	59.8%
Swain County Schools (870)	628	1,472	42.7%
Transylvania County Schools (880)	2,168	2,428	89.3%
Tyrrell County Schools (890)	343	452	75.9%
Union County Public Schools (900)	12,854	19,147	67.1%
Vance County Schools (910)	586	2,810	20.9%
Wake County Schools (920)	32,630	48,119	67.8%
Warren County Schools (930)	421	739	57.0%
Washington County Schools (940)	250	400	62.5%
Watauga County Schools (950)	887	1,663	53.3%
Wayne County Public Schools (960)	7,904	9,878	80.0%
Wilkes County Schools (970)	2,542	4,253	59.8%
Wilson County Schools (980)	4,009	7,067	56.7%
Yadkin County Schools (990)	3,169	3,928	80.7%

Public School Unit (PSU)	Earned	Potential	Attainment Rate
Yancey County Schools (995)	1,217	1,431	85.0%
North Carolina Cyber Academy (00A)	479	1,004	47.7%
NC Virtual Academy (00B)	6	1,047	0.6%
Pinnacle Classical Academy (23A)	114	205	55.6%
NC Leadership Charter Academy (34H)	68	108	63.0%
Piedmont Community Charter School (36B)	12	136	8.8%
Triad Math and Science Academy (41F)	1	93	1.1%
Revolution Academy (41Q)	16	152	10.5%
Shining Rock Classical Academy (44A)	9	9	100.0%
FernLeaf Community Charter School (45B)	6	8	75.0%
Ascend Leadership Remote Academy: Lee County (53B)	1	330	0.3%
Bear Grass Charter School (58B)	60	185	32.4%
Commonwealth High School (60U)	15	167	9.0%
Stewart Creek High School (61L)	9	115	7.8%
Bonnie Cone Leadership Academy (62M)	19	160	11.9%
Girls Leadership Academy of Wilmington (65G)	20	162	12.3%
Union Academy Charter School (90A)	0	32	0.0%
Vance Charter School (91A)	5	43	11.6%
Franklin Academy (92F)	1	13	7.7%
East Wake Academy (92G)	160	203	78.8%
Southern Wake Academy (92P)	30	186	16.1%
Triangle Math and Science Academy (92T)	13	162	8.0%
Central Wake High School (93L)	3	33	9.1%
Pine Springs Preparatory Remote Academy (93N)	1	1,916	0.1%
NERSBA Early College (94Z)	6	470	1.3%
Wayne Preparatory Academy (96F)	103	714	14.4%
Sallie B Howard School of Arts and Science (98A)	391	413	94.7%

Credential Attainment Rate by Course and Credential

The table below outlines the credential attainment rate by course and credential name.

Table 11. 2024-2025 Credential Attainment Rate by Course and Credential

Course	Credential Name	Earned	Potential	Attainment Rate
AA21-Animal Science I	Youth for the Quality Care of Animals (YQCA)	10,807	16,679	65%
AA22-Animal Science II Food Animal	National Beef Quality Assurance Cow/Calf Certification	773	2,432	32%
AA22-Animal Science II Food Animal	North Carolina Beef Quality Assurance	1,282	2,432	53%
AA32-Equine Science II	Equine Management and Evaluation Certification	32	60	53%
AA41-Veterinary Assisting	Certified Veterinary Assistant	58	379	15%
AA41-Veterinary Assisting	Elanco Veterinary Medical Applications	276	379	73%
AL11-Agricultural Production I	North Carolina Beef Quality Assurance	36	139	26%
AL11-Agricultural Production I	Youth for the Quality Care of Animals (YQCA)	64	139	46%
AL12-Agricultural Production II	North Carolina Beef Quality Assurance	16	75	21%
AL12-Agricultural Production II	Youth for the Quality Care of Animals (YQCA)	15	75	20%
AL21-Christmas Tree Production I	National Safe Tractor and Machinery Operation Certification	0	46	0%
AL21-Christmas Tree Production I	OSHA 10-hour General Industry Safety and Health	36	46	78%
AL43-Turfgrass Management	NC Private Pesticide Applicator	0	21	0%

Course	Credential Name	Earned	Potential	Attainment Rate
AN52-Natural Resources II	North Carolina Hunter Education Training	99	319	31%
AS31-Agricultural Mechanics I	OSHA 10-hour General Industry Safety and Health	3,199	5,232	61%
AS32-Agricultural Mechanics II	Certified Welders per Welding Code AWS D1.1	183	1,746	10%
AS32-Agricultural Mechanics II	National Safe Tractor and Machinery Operation Certification	302	1,746	17%
AS33-Agricultural Mechanics II Small Engines	North Carolina State Competency Exam	314	331	95%
AU22-Sustainable Agriculture Production II	Certified Beekeeper	7	224	3%
BA20-Accounting II	Intuit Quickbooks Certified User	241	519	46%
CC10-Microsoft Word and PowerPoint	Microsoft Office Specialist PowerPoint	3,492	6,117	57%
CC10-Microsoft Word and PowerPoint	Microsoft Office Specialist Word	3,302	6,117	54%
CC11-Microsoft Excel	Microsoft Office Specialist Excel	3,601	6,296	57%
CC11-Microsoft Excel	Microsoft Office Specialist Excel Expert	2,669	6,296	42%
CD10-Adobe Visual Design I	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator	7,337	14,178	52%
CD10-Adobe Visual Design I	Adobe Certified Professional - Visual Communication Using Adobe Photoshop	8,717	14,177	61%
CD11-Adobe Visual Design II	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign	2,043	2,813	73%

Course	Credential Name	Earned	Potential	Attainment Rate
CD12-Adobe Digital Design I	Adobe Certified Professional - Web Authoring Using Adobe Dreamweaver	85	422	20%
CD14-Adobe Video Design I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro	2,309	3,809	61%
CD21-3D Modeling and Animation II	Autodesk Certified User 3DS Max	202	713	28%
CD21-3D Modeling and Animation II	Autodesk Certified User Maya	45	339	13%
CI00-CompTIA IT Fundamentals	CompTIA IT Fundamentals+ (ITF+)	376	1,385	27%
CI01-Computer Engineering Technology I	CompTIA A+ (Core 1)	29	306	9%
CI02-Computer Engineering Technology II	CompTIA A+ (Core 2)	23	136	17%
CI21-Network Administration II	CompTIA Network+	18	85	21%
CI31-Cybersecurity II	CompTIA Security+	25	100	25%
CL06-Film Television and Video Prod I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro	0	273	0%
CL07-Film TV and Video Prod II News Prod	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro	9	76	12%
CL27-Intro to Graphic Communications	PrintED Introduction to Graphic Communication	24	32	75%
CL28-Advertising and Design	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator	1	13	8%
CL28-Advertising and Design	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign	2	13	15%

Course	Credential Name	Earned	Potential	Attainment Rate
CL28-Advertising and Design	Adobe Certified Professional - Visual Communication Using Adobe Photoshop	1	13	8%
CL60-Fundamentals of Info Security I	CompTIA A+ (Core 1)	0	21	0%
CL60-Fundamentals of Info Security I	CompTIA A+ (Core 2)	0	21	0%
CL60-Fundamentals of Info Security I	CompTIA IT Fundamentals+ (ITF+)	0	21	0%
CL75-Unity 3D Programming II	Unity Certified User: Programmer	15	102	15%
CL90-Principles of Technology I	OSHA 10-hour General Industry Safety and Health	31	35	89%
CL91-Principles of Technology II	OSHA 10-hour General Industry Safety and Health	22	24	92%
CP11-Python Programming II	PCAP Certified Associate in Python Programming	313	840	37%
CP20-Develop in Swift Explorations	App Development with Swift Associate	9	23	39%
CP21-Develop in Swift Fundamentals	App Development with Swift Certified User	8	31	26%
CS31-SAS Base Programming	SAS Certified Specialist Programming Fundamentals Using SAS 9.4	27	64	42%
ED45-Career Management	CCWR - Career Management (Interpersonal/Social Skills)	6,170	14,184	43%
ED45-Career Management	CCWR - Career Management (Attitude)	5,799	14,184	41%
ED45-Career Management	CCWR - Career Management (Communication)	6,332	14,184	45%

Course	Credential Name	Earned	Potential	Attainment Rate
ED45-Career Management	CCWR - Career Management (Media Rules)	6,288	14,184	44%
ED45-Career Management	CCWR - Career Management (Planning and Organizing)	5,697	14,184	40%
ED45-Career Management	CCWR - Career Management (Professionalism)	5,405	14,184	38%
ED45-Career Management	CCWR - Career Management (Teamwork)	6,224	14,184	44%
ED45-Career Management	CCWR - Career Management (Critical Thinking)	5,489	14,184	39%
ED45-Career Management	Express Employment Professionals Career Preparedness Certification	632	3,935	16%
ED45-Career Management	Microburst Learning Soft Skills for Success	1,089	3,823	28%
FA32-Apparel and Textile Production II	Pre-Professional Certification in Fashion, Textiles, and Apparel	249	1,174	21%
FC14-Counseling and Mental Health II	Pre-Professional Certification in Family and Community Services	972	1,216	80%
FE11-Early Childhood Education I	First Aid/CPR/AED	1,009	1,588	64%
FE11-Early Childhood Education I	North Carolina Early Childhood Credential	668	1,588	42%
FE21-Teaching as a Profession I Honors	Basic School Age Care (BSAC)	417	643	65%
FH11-Culinary Arts and Hospitality II App	ANSI - Accredited Food Protection Manager Certification	955	2,985	32%
FH12-Culinary Arts and Hospitality II Int	ANSI - Accredited Food Protection Manager Certification	111	268	41%

Course	Credential Name	Earned	Potential	Attainment Rate
FH13-Culinary Arts and Hospitality III	Certified Fundamentals Cook (CFC)	14	201	7%
FH13-Culinary Arts and Hospitality III	Pre-Professional Certification in Culinary Arts	701	1,188	59%
FH13-Culinary Arts and Hospitality III	ProStart National Certificate of Achievement (COA)	25	1,093	2%
FH31-Hospitality and Tourism Mgmt I	American Hotel and Lodging Association Certified Guest Service Professional	1,909	3,142	61%
FI22-Interior Design Studio	Pre-Professional Certification in Interior Design Fundamentals	669	1,869	36%
FI23-Interior Design Technology	Autodesk Certified User Revit	97	176	55%
FN41-Food and Nutrition I	ANSI - Accredited Food Handler Certificate	18,925	26,626	71%
FN42-Food and Nutrition II	ANSI - Accredited Food Protection Manager Certification	3,254	9,704	34%
FN42-Food and Nutrition II	Pre-Professional Certification in Nutrition, Food, and Wellness	396	9,704	4%
FN43-Food Science and Technology	Food Safety and Science Certification	60	205	29%
FN43-Food Science and Technology	Pre-Professional Certification in Food Science Fundamentals	2	205	1%
GS12-Project Management II	PMI Project Management Ready	755	935	81%
HH32-Pharmacy Technician	CPhT Certified Pharmacy Technician	119	386	31%
HL19-Biomedical Technology II	OSHA 10-hour General Industry Safety and Health	47	91	52%

Course	Credential Name	Earned	Potential	Attainment Rate
HL31-Dental Anatomy I	First Aid	25	41	61%
HL31-Dental Anatomy I	Stop the Bleed	23	41	56%
HL35-Dental Pathology II	BLS Provider	13	43	30%
HL35-Dental Pathology II	OSHA 10-hour General Industry Safety and Health	4	43	9%
HN43-Nursing Fundamentals and Practicum	North Carolina Nurse Aide I	1,561	2,111	74%
HN45-Public Health Fundamentals	Nurse Aide I - Home Care Aide Endorsement	23	23	100%
HP70-PLTW Principles of Biomedical Sciences	Stop the Bleed	2,330	2,758	84%
HP71-PLTW Human Body Systems	First Aid	1,194	1,788	67%
HP72-PLTW Medical Interventions	CPR/AED	677	920	74%
HU40-Health Science I	First Aid	16,187	22,737	71%
HU42-Health Science II	BLS Provider	10,158	11,092	92%
HU42-Health Science II	OSHA 10-hour General Industry Safety and Health	9,044	11,092	82%
HU42-Health Science II	Stop the Bleed	9,427	11,092	85%
IC00-Construction Core	NC NCCER Module 00101 (with Performance Profile)	10,001	13,070	77%

Course	Credential Name	Earned	Potential	Attainment Rate
IC00-Construction Core	NC NCCER Module 00102 (with Performance Profile)	9,156	13,067	70%
IC00-Construction Core	NC NCCER Module 00103 (with Performance Profile)	9,168	13,071	70%
IC00-Construction Core	NC NCCER Module 00104 (with Performance Profile)	8,683	13,070	66%
IC00-Construction Core	NC NCCER Module 00105 (with Performance Profile)	9,000	13,071	69%
IC00-Construction Core	NC NCCER Module 00107 (with Performance Profile)	9,868	13,069	76%
IC00-Construction Core	NC NCCER Module 00108	9,651	13,068	74%
IC00-Construction Core	NC NCCER Module 00109 (with Performance Profile)	9,013	13,070	69%
IC00-Construction Core	OSHA 10-hour Construction Safety and Health	8,273	13,070	63%
IC11-Masonry I	NC NCCER Module 28101 (with Performance Profile)	1,166	1,431	81%
IC11-Masonry I	NC NCCER Module 28102 (with Performance Profile)	1,076	1,431	75%
IC11-Masonry I	NC NCCER Module 28103 (with Performance Profile)	1,070	1,431	75%
IC11-Masonry I	NC NCCER Module 28104 (with Performance Profile)	1,104	1,431	77%
IC11-Masonry I	NC NCCER Module 28105 (with Performance Profile)	1,040	1,431	73%
IC11-Masonry I	NC NCCER Module 28106 (with Performance Profile)	1,141	1,431	80%

Course	Credential Name	Earned	Potential	Attainment Rate
IC12-Masonry II	NC NCCER Module 28201 (with Performance Profile)	542	691	78%
IC12-Masonry II	NC NCCER Module 28202 (with Performance Profile)	533	691	77%
IC12-Masonry II	NC NCCER Module 28203 (with Performance Profile)	548	691	79%
IC12-Masonry II	NC NCCER Module 28204 (with Performance Profile)	539	691	78%
IC13-Masonry III	NC NCCER Module 28205 (with Performance Profile)	103	132	78%
IC13-Masonry III	NC NCCER Module 28206 (with Performance Profile)	102	132	77%
IC13-Masonry III	NC NCCER Module 28207 (with Performance Profile)	103	132	78%
IC21-Carpentry I	NC NCCER Module 27101	3,924	4,891	80%
IC21-Carpentry I	NC NCCER Module 27102 (with Performance Profile)	3,485	4,891	71%
IC21-Carpentry I	NC NCCER Module 27105 (with Performance Profile)	3,146	4,891	64%
IC21-Carpentry I	NC NCCER Module 27110 (with Performance Profile)	2,838	4,891	58%
IC21-Carpentry I	NC NCCER Module 27111 (with Performance Profile)	2,970	4,891	61%
IC22-Carpentry II	NC NCCER Module 27109 (with Performance Profile)	1,157	1,770	65%
IC22-Carpentry II	NC NCCER Module 27112 (with Performance Profile)	1,130	1,770	64%

Course	Credential Name	Earned	Potential	Attainment Rate
IC22-Carpentry II	NC NCCER Module 27202 (with Performance Profile)	1,190	1,770	67%
IC22-Carpentry II	NC NCCER Module 27203 (with Performance Profile)	1,208	1,770	68%
IC22-Carpentry II	NC NCCER Module 27204 (with Performance Profile)	1,104	1,770	62%
IC23-Carpentry III	NC NCCER Module 27201 (with Performance Profile)	197	326	60%
IC23-Carpentry III	NC NCCER Module 27205 (with Performance Profile)	181	326	56%
IC23-Carpentry III	NC NCCER Module 27206 (with Performance Profile)	185	326	57%
IC23-Carpentry III	NC NCCER Module 27207 (with Performance Profile)	177	326	54%
IC23-Carpentry III	NC NCCER Module 27208 (with Performance Profile)	183	326	56%
IC23-Carpentry III	NC NCCER Module 27210 (with Performance Profile)	176	326	54%
IC31-HVACR I	NC NCCER Module 03101	89	179	50%
IC31-HVACR I	NC NCCER Module 03102	102	179	57%
IC31-HVACR I	NC NCCER Module 03103 (with Performance Profile)	86	179	48%
IC31-HVACR I	NC NCCER Module 03104 (with Performance Profile)	85	179	47%
IC31-HVACR I	NC NCCER Module 03105 (with Performance Profile)	59	179	33%

Course	Credential Name	Earned	Potential	Attainment Rate
IC31-HVACR I	NC NCCER Module 03106 (with Performance Profile)	86	179	48%
IC31-HVACR I	NC NCCER Module 03107 (with Performance Profile)	83	179	46%
IC31-HVACR I	NC NCCER Module 03108 (with Performance Profile)	91	179	51%
IC31-HVACR I	NC NCCER Module 03109 (with Performance Profile)	70	179	39%
IC32-HVACR II	NC NCCER Module 03205 (with Performance Profile)	36	71	51%
IC32-HVACR II	NC NCCER Module 03206 (with Performance Profile)	46	71	65%
IC32-HVACR II	NC NCCER Module 03210 (with Performance Profile)	21	71	30%
IC32-HVACR II	NC NCCER Module 03211 (with Performance Profile)	29	71	41%
IC32-HVACR II	NC NCCER Module 03301 (with Performance Profile)	40	71	56%
IC32-HVACR II	NC NCCER Module 03311 (with Performance Profile)	28	71	39%
IC33-HVACR III	NC NCCER Module 03202	3	6	50%
IC33-HVACR III	NC NCCER Module 03209 (with Performance Profile)	3	6	50%
IC33-HVACR III	NC NCCER Module 03213	3	6	50%
IC33-HVACR III	NC NCCER Module 03302 (with Performance Profile)	3	6	50%

Course	Credential Name	Earned	Potential	Attainment Rate
IC33-HVACR III	NC NCCER Module 03303 (with Performance Profile)	3	6	50%
IC33-HVACR III	NC NCCER Module 03314 (with Performance Profile)	3	6	50%
IC41-Electrical Trades I	NC NCCER Module 26101	1,124	1,292	87%
IC41-Electrical Trades I	NC NCCER Module 26102 (with Performance Profile)	1,033	1,292	80%
IC41-Electrical Trades I	NC NCCER Module 26103	1,100	1,292	85%
IC41-Electrical Trades I	NC NCCER Module 26104	1,056	1,292	82%
IC41-Electrical Trades I	NC NCCER Module 26105 (with Performance Profile)	1,029	1,292	80%
IC41-Electrical Trades I	NC NCCER Module 26106 (with Performance Profile)	989	1,292	77%
IC41-Electrical Trades I	NC NCCER Module 26107 (with Performance Profile)	946	1,292	73%
IC41-Electrical Trades I	NC NCCER Module 26108 (with Performance Profile)	918	1,292	71%
IC42-Electrical Trades II	NC NCCER Module 26109 (with Performance Profile)	382	536	71%
IC42-Electrical Trades II	NC NCCER Module 26110 (with Performance Profile)	375	536	70%
IC42-Electrical Trades II	NC NCCER Module 26111 (with Performance Profile)	366	536	68%
IC42-Electrical Trades II	NC NCCER Module 26112 (with Performance Profile)	385	536	72%

Course	Credential Name	Earned	Potential	Attainment Rate
IC42-Electrical Trades II	NC NCCER Module 26201	439	536	82%
IC42-Electrical Trades II	NC NCCER Module 26202 (with Performance Profile)	377	536	70%
IC42-Electrical Trades II	NC NCCER Module 26203 (with Performance Profile)	409	536	76%
IC42-Electrical Trades II	NC NCCER Module 26209 (with Performance Profile)	377	536	70%
IC43-Electrical Trades III	NC NCCER Module 26204 (with Performance Profile)	43	83	52%
IC43-Electrical Trades III	NC NCCER Module 26205 (with Performance Profile)	39	83	47%
IC43-Electrical Trades III	NC NCCER Module 26206 (with Performance Profile)	43	83	52%
IC43-Electrical Trades III	NC NCCER Module 26207 (with Performance Profile)	48	83	58%
IC43-Electrical Trades III	NC NCCER Module 26208 (with Performance Profile)	42	83	51%
IC43-Electrical Trades III	NC NCCER Module 26210 (with Performance Profile)	37	83	45%
IC43-Electrical Trades III	NC NCCER Module 26211 (with Performance Profile)	39	83	47%
IC51-Plumbing I	NC NCCER Module 02101	82	84	98%
IC51-Plumbing I	NC NCCER Module 02102 (with Performance Profile)	66	84	79%
IC51-Plumbing I	NC NCCER Module 02103 (with Performance Profile)	69	84	82%

Course	Credential Name	Earned	Potential	Attainment Rate
IC51-Plumbing I	NC NCCER Module 02104 (with Performance Profile)	63	84	75%
IC51-Plumbing I	NC NCCER Module 02105 (with Performance Profile)	64	84	76%
IC51-Plumbing I	NC NCCER Module 02106 (with Performance Profile)	66	84	79%
IC51-Plumbing I	NC NCCER Module 02107 (with Performance Profile)	62	84	74%
IC51-Plumbing I	NC NCCER Module 02108 (with Performance Profile)	61	84	73%
IC51-Plumbing I	NC NCCER Module 02109 (with Performance Profile)	62	84	74%
IC51-Plumbing I	NC NCCER Module 02110 (with Performance Profile)	61	84	73%
IC52-Plumbing II	NC NCCER Module 02111 (with Performance Profile)	23	37	62%
IC52-Plumbing II	NC NCCER Module 02112 (with Performance Profile)	24	37	65%
IC52-Plumbing II	NC NCCER Module 02201 (with Performance Profile)	23	37	62%
IC52-Plumbing II	NC NCCER Module 02202 (with Performance Profile)	22	37	59%
IC52-Plumbing II	NC NCCER Module 02203 (with Performance Profile)	23	37	62%
IC52-Plumbing II	NC NCCER Module 02204 (with Performance Profile)	22	37	59%
IC52-Plumbing II	NC NCCER Module 02205 (with Performance Profile)	20	37	54%

Course	Credential Name	Earned	Potential	Attainment Rate
IC52-Plumbing II	NC NCCER Module 02207 (with Performance Profile)	22	37	59%
IC61-Drafting I	Autodesk Certified User AutoCAD	3,235	5,434	60%
IC62-Drafting II - Architectural	Autodesk Certified User Revit	904	1,207	75%
IC63-Drafting III - Architectural	Autodesk Certified Professional Revit	6	218	3%
ID10-Drone Technology Fundamentals	FAA Trust	1,883	2,229	84%
ID11-Drone Technology I	CFR 14 Part 107 UAS Remote Pilot Certification	255	1,195	21%
ID12-Drone Technology II	ESRI Drone2Map	94	158	59%
ID12-Drone Technology II	NFPA 2400	94	158	59%
IK26-Advanced Transportation Technology	ASE Entry-Level Certification - Maintenance and Light Repair	27	38	71%
IK49-Advanced Criminal Justice II	Expandable Baton Certification	0	21	0%
IK81-BOAT I Building on a Tradition	OSHA 10-hour Construction Safety and Health	21	40	53%
IK82-BOAT II Building on a Tradition	North Carolina Boater Education Certificate	13	13	100%
IK88-Electronics I	ETA EM1	59	300	20%
IK89-Electronics II	ETA EM4	14	77	18%

Course	Credential Name	Earned	Potential	Attainment Rate
IK90-Electronics III	ETA EM2	0	40	0%
IL41-Aquaculture II	North Carolina Boater Education Certificate	18	19	95%
IL53-Marine Occupations I	North Carolina Boater Education Certificate	68	68	100%
IL54-Marine Occupations II	NC NCCER Module 29101 (with Performance Profile)	22	33	67%
IL54-Marine Occupations II	NC NCCER Module 29102 (with Performance Profile)	22	33	67%
IL54-Marine Occupations II	NC NCCER Module 29105 (with Performance Profile)	10	33	30%
IL54-Marine Occupations II	NC NCCER Module 29108 (with Performance Profile)	23	33	70%
IL54-Marine Occupations II	NC NCCER Module 84101 (with Performance Profile)	23	33	70%
IL54-Marine Occupations II	NC NCCER Module 85101 (with Performance Profile)	23	33	70%
IL54-Marine Occupations II	NC NCCER Module 85102 (with Performance Profile)	23	33	70%
IL54-Marine Occupations II	NC NCCER Module 85103 (with Performance Profile)	21	33	64%
IL54-Marine Occupations II	NC NCCER Module 85104 (with Performance Profile)	16	33	48%
IL54-Marine Occupations II	NC NCCER Module 85105 (with Performance Profile)	20	33	61%
IL54-Marine Occupations II	NC NCCER Module 85106 (with Performance Profile)	20	33	61%

Course	Credential Name	Earned	Potential	Attainment Rate
IL73-Marine Occupations III	NC NCCER Module 29103 (with Performance Profile)	12	15	80%
IL73-Marine Occupations III	NC NCCER Module 29106 (with Performance Profile)	11	15	73%
IL73-Marine Occupations III	NC NCCER Module 86101 (with Performance Profile)	10	15	67%
IL73-Marine Occupations III	NC NCCER Module 86102 (with Performance Profile)	13	15	87%
IL73-Marine Occupations III	NC NCCER Module 86103 (with Performance Profile)	8	15	53%
IL73-Marine Occupations III	NC NCCER Module 86104 (with Performance Profile)	8	15	53%
IL73-Marine Occupations III	NC NCCER Module 86201 (with Performance Profile)	12	15	80%
IM11-Advanced Manufacturing I	Certified Production Technician (CPT) - Maintenance Awareness	270	1,079	25%
IM11-Advanced Manufacturing I	Certified Production Technician (CPT) - Safety	538	1,079	50%
IM11-Advanced Manufacturing I	OSHA 10-hour General Industry Safety and Health	667	1,079	62%
IM12-Advanced Manufacturing II	Certified Production Technician (CPT) - Manufacturing Processes and Production	109	317	34%
IM12-Advanced Manufacturing II	Certified Production Technician (CPT) - Quality Practices and Measurement	120	317	38%
IM14-Manufacturing Robotics	FANUC Certified Robot Operator	7	47	15%
IM21-Woodworking I	OSHA 10-hour Construction Safety and Health	1,433	2,363	61%

Course	Credential Name	Earned	Potential	Attainment Rate
IM22-Woodworking II	Woodwork Career Alliance (WCA) Sawblade Certificate	508	983	52%
IM41-Metals Manufacturing Technology I	NIMS Measurement, Materials, and Safety	125	538	23%
IM42-Metals Manufacturing Technology II	NIMS Job Planning, Benchwork, and Layout	92	255	36%
IM43-Metals Manufacturing Technology III	NIMS Milling I	6	30	20%
IM61-Welding Technology I	AWS SENSE Module 2: Safety	154	968	16%
IM61-Welding Technology I	AWS SENSE Module 8: Thermal Cutting Process	135	968	14%
IM61-Welding Technology I	OSHA 10-hour Construction Safety and Health	201	968	21%
IM61-Welding Technology I	S/P2 Welding Safety and Pollution Prevention	58	968	6%
IM62-Welding Technology II	AWS SENSE Module 3: Drawing and Welding Interpretation	140	496	28%
IM62-Welding Technology II	AWS SENSE Module 4: SMAW	143	496	29%
IM62-Welding Technology II	AWS SENSE Module 9: Welding Inspection and Testing	144	496	29%
IM62-Welding Technology II	Certified Welder per Welding Code AWS D1.1 (SMAW)	30	496	6%
IM63-Welding Technology III	AWS SENSE Entry Welder Program - Flux Cored Arc Welding Process	23	136	17%
IM63-Welding Technology III	AWS SENSE Entry Welder Program - Gas Metal Arc Welding Process	29	136	21%

Course	Credential Name	Earned	Potential	Attainment Rate
IM63-Welding Technology III	Certified Welder per Welding Code AWS D1.1 (FCAW)	0	136	0%
IM63-Welding Technology III	Certified Welder per Welding Code AWS D1.1 (GMAW)	24	136	18%
IP11-Public Safety I	Law and Public Safety Introductory Competency	3,707	6,753	55%
IP11-Public Safety I	NIMS (DHS/FEMA) IS-100	4,920	6,752	73%
IP11-Public Safety I	NIMS (DHS/FEMA) IS-200	4,733	6,752	70%
IP11-Public Safety I	NIMS (DHS/FEMA) IS-700	4,907	6,752	73%
IP11-Public Safety I	NIMS (DHS/FEMA) IS-800	4,579	6,752	68%
IP12-Public Safety II	Community Emergency Response Team (CERT)	1,071	1,373	78%
IP12-Public Safety II	National Basic 9-1-1 Dispatch Certification	1,024	1,373	75%
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-100	141	295	48%
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-200	142	295	48%
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-700	138	295	47%
IP21-Emergency Medical Technology I	(DHS/FEMA) IS-800	136	295	46%
IP21-Emergency Medical Technology I	BLS Provider	234	295	79%

Course	Credential Name	Earned	Potential	Attainment Rate
IP21-Emergency Medical Technology I	Emergency Medical Responder (EMR)	103	295	35%
IP21-Emergency Medical Technology I	Stop the Bleed	224	295	76%
IP22-Emergency Medical Technology II	Emergency Medical Technician (EMT)	67	185	36%
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 1 (FIP 3041)	477	1,125	42%
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 2 (FIP 3042)	568	1,125	50%
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 3 (FIP 3043)	511	1,125	45%
IP31-Firefighter Technology I	NCOSFM - FF Fireground Ops 4 (FIP 3044)	297	1,124	26%
IP31-Firefighter Technology I	NCOSFM - FF General and Communications (FIP 3040)	448	1,125	40%
IP32-Firefighter Technology II	NCOSFM Emergency Medical Care (FIP 7001)	282	464	61%
IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 5 (FIP 3045)	313	464	67%
IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 6 (FIP 3046)	299	464	64%
IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 7 (FIP 3047)	263	464	57%
IP32-Firefighter Technology II	NCOSFM FF Fireground Ops 8 (FIP 3048)	202	464	44%
IP33-Firefighter Technology III	NCOSFM FF and Life Safety (FIP 3051)	139	194	72%

Course	Credential Name	Earned	Potential	Attainment Rate
IP33-Firefighter Technology III	NCOSFM FF Mayday and Safety (FIP 6413)	133	194	69%
IP33-Firefighter Technology III	NCOSFM FF Rescue Ops 1 (FIP 3050)	133	194	69%
IP33-Firefighter Technology III	NCOSFM HM Ops (FIP 3556)	100	194	52%
IP33-Firefighter Technology III	NCOSFM TIMS (FIP 7000)	163	194	84%
IP41-Law and Justice I	National Law Enforcement Certification SPSS	1,520	2,429	63%
IP42-Law and Justice II	Certified Protection Officer (CPO)	428	582	74%
IP51-Emergency Management I	NC Emergency Management I G-271	34	62	55%
IP51-Emergency Management I	NC Emergency Management I G-272	34	62	55%
IP51-Emergency Management I	NC Emergency Management I IS-120	55	62	89%
IP51-Emergency Management I	NC Emergency Management I IS-2200	54	62	87%
IP51-Emergency Management I	NC Emergency Management I IS-230	56	62	90%
IP51-Emergency Management I	NC Emergency Management I IS-235	55	62	89%
IP51-Emergency Management I	NC Emergency Management I IS-240	54	62	87%
IP51-Emergency Management I	NC Emergency Management I IS-241	54	62	87%

Course	Credential Name	Earned	Potential	Attainment Rate
IP51-Emergency Management I	NC Emergency Management I IS-242	55	62	89%
IP51-Emergency Management I	NC Emergency Management I IS-244	55	62	89%
IP51-Emergency Management I	NC Emergency Management I IS-247	38	62	61%
IP51-Emergency Management I	NC Emergency Management I IS-271	35	62	56%
IP51-Emergency Management I	NC Emergency Management I IS-288	50	62	81%
IP51-Emergency Management I	NC Emergency Management I IS-393	39	62	63%
IP51-Emergency Management I	NC Emergency Management I IS-703	55	62	89%
IP51-Emergency Management I	NC Emergency Management I IS-706	54	62	87%
IP51-Emergency Management I	NC Emergency Management I IS-909	55	62	89%
IP52-Emergency Management II	NC Emergency Management II G-108	10	10	100%
IP52-Emergency Management II	NC Emergency Management II G-191	10	10	100%
IP52-Emergency Management II	NC Emergency Management II G-205	10	10	100%
IP52-Emergency Management II	NC Emergency Management II G-2300	10	10	100%
IP52-Emergency Management II	NC Emergency Management II G-358	10	10	100%

Course	Credential Name	Earned	Potential	Attainment Rate
IP52-Emergency Management II	NC Emergency Management II G-386	10	10	100%
IP52-Emergency Management II	NC Emergency Management II G-393	10	10	100%
IP52-Emergency Management II	NC Emergency Management II G-557	10	10	100%
IP52-Emergency Management II	NC Emergency Management II IS-559	5	10	50%
IT11-Automotive Service Fundamentals	S/P2 Automotive Service Pollution Prevention	4,559	6,654	69%
IT11-Automotive Service Fundamentals	S/P2 Automotive Service Safety	4,694	6,654	71%
IT17-Automotive Service II	ASE Entry-Level Certification - Maintenance and Light Repair	691	1,323	52%
IT18-Automotive Service III	ASE Entry-Level Certification - Electrical/Electronic Systems	157	367	43%
IT30-Collision Repair Fundamentals	S/P2 Collision Repair and Refinish Pollution Prevention	157	379	41%
IT30-Collision Repair Fundamentals	S/P2 Collision Repair and Refinish Safety	154	379	41%
IT32-Collision Repair II - Non-Structural	I-CAR Platinum ProLevel 1 for Non-Structural	43	56	77%
IT33-Collision Repair II - Refinishing	ASE Entry-Level Certification - Painting and Refinishing	0	57	0%
IT33-Collision Repair II - Refinishing	I-CAR Platinum ProLevel 1 for Refinishing	45	57	79%
IV22-Drafting II - Engineering	Autodesk Certified User Inventor	519	718	72%

Course	Credential Name	Earned	Potential	Attainment Rate
IV22-Drafting II - Engineering	Certified SolidWorks Associate (CSWA)	50	270	19%
IV23-Drafting III - Engineering	Autodesk Certified Professional Inventor	0	158	0%
IV23-Drafting III - Engineering	Certified SolidWorks Professional (CSWP)	0	158	0%
ME11-Entrepreneurship I	Venture Entrepreneurial Expedition	11,892	19,271	62%
ME12-Entrepreneurship II	Entrepreneurship and Small Business	2,584	3,917	66%
ML05-Intro to Customer Relationship Mgmt	Salesforce Administrator Certification	5	6	83%
TR14-SREB AC Design for the Prod of Adv Prod	NI Certified LabVIEW Associate Developer (CLAD)	0	3	0%

STRATEGIC PLANNING FOR CREDENTIAL ATTAINMENT IMPROVEMENT

Based on research, best practices for improving credential attainment include the following strategies.

1. **Creating a clear communication plan.** Providing clear, credible information that communicates career, postsecondary education and economic benefits is a priority for improving credential opportunities and attainment (Education Strategy Group et al., 2018). Reeves (2009) shared that the role of leadership of an organization is to communicate the essential message of change. CTE leadership should develop an intentional communication plan to share with stakeholders the benefits and importance of high school students earning industry-recognized credentials. Networks of teachers, administrators, counselors, industry partners and community organizations should be formed to help deliver and perpetuate the message of credentialing throughout the school community. Any efforts to improve credential attainment will be less effective without community involvement and engagement.
2. **Forming CTE/counseling collaborative teams.** According to Rosen and Milano (2019), the need exists across secondary education for better advising to explain immediate and long-term benefits for specific opportunities to students as they make decisions that impact their futures. A major challenge for access in high-quality CTE and related to counseling and advising is the information available to students and parents. School counselors influence which students receive messages about specific opportunities and need to have the most up-to-date information about what is available and which courses form pathways aligned to industry-recognized credentials (Rosen & Milano, 2019). Establishing CTE/counseling collaborative teams should allow CTE leadership and school counselors to regularly communicate regarding opportunities available to students through CTE, pathways and courses, and postsecondary paths open to students based on CTE experiences in high school. Additionally, CTE leadership and school counselors will be able to collaborate on the creation of program marketing and recruitment tools to help share opportunities with students and parents. Creating and using resources to distribute messages about CTE opportunities equitably and widely is important to improving credential attainment and should be an aim of the CTE/counseling collaborative teams (Rosen & Molina, 2019).
3. **Identifying high-quality industry-recognized credentials and intentionally aligning those credentials to CTE pathways.** By delineating between low-value and high-value credentials, students can make wise choices about which credentials to earn for the greatest long-term impact. The process to identify high-value credentials includes identifying occupations that are high-skill and high-wage and then connecting the associated credentials to include in high school programming (Mathers, 2018). Establishing high-quality credentials requires industry and education leaders to come together and collaborate, determining which credentials are valuable and where the credentials align to the curriculum. When respected industry leaders and organizations unite to establish and promote high-quality credentials, others are motivated to get involved in the work of credentialing students (Rimland & Raish, 2019). Three intentional actions are suggested to propel the work of identifying high-quality credentials and include
    a. building stronger employer use of credentialing through job postings, higher wages for high-quality credentials, and the utilization of common credentials across an industry sector;
    b. identifying credentials aligned to postsecondary education and training to potential credit for students with college-level course hours in core areas; and
    c. building a crosswalk of prioritized industry-recognized credentials that span both the education system and the workforce system (Education Strategy Group et al., 2018).

State education leaders, business and industry executives, and community workforce development agencies have power to produce improvement in credentialing efforts when united in the implementation of these strategies (Education Strategy Group et al., 2018).

CONCLUSION

The positive trend in credential attainment has continued through the 2024-2025 academic year with 58% of available credentials being earned by students across the state. NC CTE is committed to continuous improvement by creating expanded opportunities for students to earn credentials, while supporting PSU leaders and teachers to make the industry-recognized credentials of value available across the state.

North Carolina CTE priorities for improving the secondary credentialing efforts include the following actions.

- Incorporating credential information with the newly legislated Career Development Plans as a best practice.
- Enhancing the CTE data and information portal, NCCTE Admin, with report options for PSUs to track credential attainment progress.
- Continuing to improve the process for vetting and approving new credentials, while focusing on an alignment to the NC Workforce credentials of value.
- Supporting PSUs in the implementation of existing credential opportunities. A dedicated Special Populations Consultant will provide additional support for PSUs in addressing equity in CTE and, therefore, credential opportunities.
- Continuing to increase the efficiency and accuracy in the process for collecting and reporting earned credentials.
- Continuing to support PSUs to interpret and utilize credential data. Through an Opportunity Gap Analysis Workshop, PSUs will learn to implement data analysis and improvement planning that involves a cyclical approach of gathering data, identifying gaps, exploring root causes, and developing and implementing action plans to close opportunity gaps.
- Implementing a NCCTE Data Dashboard to assist PSUs with data analysis to identify gaps and missed opportunities to credential students.

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