



## Guilford County Schools Industry Recognized Credential Guide

Through Career and Technical Education (CTE) courses, students are able to earn industry-recognized credentials that demonstrate the skills they acquire in their programs of study. The following list outlines the credentials and certifications available for CTE courses taught in Guilford County Schools.

AGRICULTURAL, FOOD, & NATURAL RESOURCES		
Credential or Certification	Applicable Course(s)	Description
Animal Waste Certification	Animal Science II	This training program is designed to provide operators of animal waste management systems with the basic understanding needed to operate and maintain these systems in an efficient and environmentally sound manner.
Canine Care and Training Program	Animal Science II - Small Animals	The CCTP helps students by teaching them how to properly care for dogs, providing them with the skills necessary for training dogs, and teaching them how to effectively understand and communicate with dogs. The skills that students develop through the CCTP curriculum will help them succeed in any field relating to animal science, animal husbandry, or animal training. The CCTP will also teach students how to become more community minded when addressing some of the problems other species face as a result of human negligence and mismanagement
Certified Veterinary Assistant	Veterinary Assisting	The TVMA Veterinary Assistant Training Program is standardized and documents the basic skills and competencies required for animal care and assistance. The program will educate veterinary assistants in the essential skills and knowledge needed to become effective contributors to the veterinary medical care team.
Certified Welders for Welding Code AW D.1. - 2010	Agriscience Applications	This is a basic structural welding using shielded arc welding on carbon steel plate or its equivalent as defined by the American Welding Society. This endorsement covers four subject areas: material and design, fabrication, inspection, and qualification.

Elanco Veterinary Medical Applications Certification	Veterinary Assisting	This certification assesses industry-valued and industry-recognized standards produced by Elanco. The certification validates the knowledge and skill necessary to begin animal health care careers. Those who earn the certification are more qualified and prepared to enter a variety of roles within the veterinary, animal science and health industries.
National Safe Tractor and Machinery Operation Certification	Agriscience Applications	By successfully completing this certification program, 14- and 15-year-old youth may legally operate farm tractors and powered machinery for hire which they otherwise would not be allowed to operate under the U.S. Department of Labor's Hazardous Occupations Order in Agriculture. Subjects covered include general agricultural safety, tractor and equipment operation, and highway transportation.
NC Beef Quality Assurance	Animal Science I Animal Science II	The North Carolina Beef Quality Assurance (NC-BQA), is a cooperative effort between beef producers, veterinarians, nutritionists, extension staff, and other professionals from North Carolina State University, the North Carolina Department of Agriculture and Consumer Services, the North Carolina Cattlemen's Association, and the North Carolina Cattlemen's Beef Council. The NC-BQA program is designed to assist producers to set production standards that can be met or exceeded, establish systems for data retention and record keeping, and provide training and education encompassing the BQA guidelines.
NC Hunter Safety Course	Agriscience Applications	More than a firearm safety course, instruction in the NC Hunter Safety Course includes ethics and responsibility, conservation and wildlife management, wildlife identification, survival and first aid, specialty hunting and tree stand safety.
NC Private Pesticide Applicator	Horticulture I, Horticulture II	The NC Private Pesticide Applicator certification allows farmers or their employees to apply restricted use pesticides to an agricultural commodity on land that they own or lease.
Youth for the Quality Care of Animals (YQCA) Certification)	Animal Science I, Animal Science II	YQCA is a national multi-species quality assurance program for youth with a focus on three core pillars: food safety, animal well-being, and character development. YQCA is accepted by many livestock shows and fairs that require youth quality assurance certification and includes information for youth showing the following

		food animals: pigs, beef cattle, dairy cattle, sheep, goats, market rabbits, and poultry.
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BUSINESS, FINANCE AND MARKETING		
Credential or Certification	Applicable Course(s)	Description
Certified Service and Sales Certification (CGSP)	Hospitality & Tourism	The Certified Guest Service Professional (CGSP®) designation provides recognition for individuals who know how to deliver exceptional service by engaging with their guest and creating memorable experiences. Recognized worldwide, the CGSP® designation is the highest acknowledgement of award-winning guest service for employees in the hospitality and tourism industry.
Certified Solidworks Professional (CSWP)	Marketing Applications Sports & Entertainment Marketing II Marketing Strategies	Designed by the NRF Foundation and leading retailers, the Customer Service and Sales credentialing program is a 14-lesson course that is geared toward students interested in beginning or currently working in a customer-facing role. Learners will have the chance to develop a deeper understanding of the customer lifecycle, as well as building resumes and navigating job searches in the field.
Entrepreneurship and Small Business Certification Exam	Entrepreneurship II	Entrepreneurship and Small Business is sponsored by Intuit and ensures tomorrow's leaders are prepared with the toolkit they need to get ahead in today's competitive landscape. Whether you are starting a bakery or launching the next billion-dollar startup, ESB validates a students' understanding of core business principles, including the essentials needed to launch and maintain a successful business.
Fundamental Marketing Concepts	Marketing Applications	A*S*K Business Institute certification for fundamental marketing concepts is based on performance indicators derived from MBA Research's continuing research of the business community.
Intuit Quickbooks Certified User (QBCU)	Accounting I, Accounting II	The QBCU certification is an industry recognized credential that effectively validates one's skills in QuickBooks accounting software. An Intuit Quickbooks Certified User signifies students have the knowledge and skills to help manage the books effectively in the most prevalent bookkeeping application in small business today.
Venture Entrepreneurial Expedition	Entrepreneurship I, Entrepreneurship II	EverFi Venture Entrepreneurial Expedition covers seven modules of entrepreneurship designed to help students develop a personalized plan for

		their individual business along with a roadmap for academic and career success. Modules include: budgeting and building startup capital, generating business ideas, market research, growing a business, business finances, marketing, and creating a business pitch.
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CAREER DEVELOPMENT EDUCATION		
Credential or Certification	Applicable Course(s)	Description
Conover Credential Workplace Readiness	Career Management	The Conover Job Readiness program assesses an individual's level of skill in eight categories identified as being essential to workplace readiness. Skill enhancements in the Job Readiness program include attitude, communication, planning and organizing, critical thinking, interpersonal/social skills, teamwork, and social media rules.
Express Employment Professionals Career Preparedness Certification	Career Management	This certification verifies individuals have acquired the technical computer skills necessary to be competitive in today's modern workplace. It assesses industry-valued and industry-recognized business office technology standards. Those who earn the certification are more qualified and prepared to implement core technology and business skills in the workplace.
Microburst Learning Employers' Choice Employ/ABILITY Soft Skills for Jobs Success Certificate	Career Management	This certificate prepares students for the world of work by cultivating soft skills in demand by employers.

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY EDUCATION		
Credential or Certification	Applicable Course(s)	Description
Certified Cybersecurity Associate	Cybersecurity Essentials	The Cybersecurity Academy program from Palo Alto Networks Education helps students to prepare for cybersecurity careers.
Cisco Routing and Switching	Cisco Network Engineering Technology II	Cisco Certified Technician Routing and Switching (CCT Routing and Switching) certification focuses on the skills required for onsite support and maintenance of Cisco routers, switches, and operating environments. Technicians in this area must be able to identify Cisco router and switch models, accessories, cabling, and interfaces; understand the Cisco IOS

		Software operating modes and identify commonly found software; and be able to use the Cisco Command Line Interface (CLI) to connect and service products. Achieving CCT Routing and Switching certification is considered the best foundation for supporting other Cisco devices and systems.
CompTIA IT Fundamentals+	CompTIA IT Fundamentals Computer Engineering Tech	The CompTIA IT Fundamentals exam focuses on the essential IT skills and knowledge needed to perform tasks commonly performed by advanced and entry level IT professionals.
Microsoft Office Specialist 2016 or above Excel Expert	Microsoft Excel	Microsoft Office Specialist (MOS) certifications are available in each specific Office program and are designed to determine a candidate's ability to use an Office application. MOS certifications give students a professional edge by providing globally recognized, industry endorsed evidence of skills mastery.
Microsoft Office Specialist Excel Core		
Microsoft Office Specialist Word	Microsoft Word and PowerPoint	
Microsoft Office Specialist PowerPoint		
CompTIA Security +	Network Security II	This is a global certification that validates the baseline skills necessary to perform core security functions and pursue an IT security career
MTA 98-381 Introduction to Programming Using Python	Python Programming I	MTA certifications address a wide spectrum of fundamental technical concepts, assess and validate core technical knowledge, and enhance technical credibility.
MTA 98-366 Networking Fundamentals	Networking Engineering II Cisco Honors	
MTA 98-349 Operating Systems Fundamentals	Computer Engineering Technology II	
CompTIA A+ 1001	Computer Engineering Technology I	CompTIA A+ certified professionals are proven problem solvers. They support today’s core technologies from security to cloud to data management and more. CompTIA A+ is the industry standard for launching IT careers in today’s digital world
CompTIA A+ 1002	Computer Engineering Technology II	
Adobe Illustrator	Adobe Visual Design	

Adobe InDesign	Adobe Visual Design	Adobe conducted research to identify the foundational skills students need to effectively communicate using digital media tools. Based on feedback from educators, design and video professionals, businesses, and educational institutions around the world, the objectives cover entry-level skill expectations for graphic and video communication.
Adobe Photoshop	Adobe Visual Design	
Adobe Dreamweaver	Adobe Digital Design	
Adobe Premier Pro	Adobe Video Design	
Autodesk 3DS Max	Digital Design and Animation II	Autodesk Certification signal students experience with future-focused skills and workflows and ability to step into emerging roles in their field.
Autodesk Maya	Digital Design and Animation II	

FAMILY AND CONSUMER SCIENCES		
Credential or Certification	Applicable Course(s)	Description
Pre-Professional Assessment and Certification in Fashion, Textiles, and Apparel	Apparel and Textile Production II	The Fashion, Textiles, and Apparel Assessment and Certification are driven by industry standards; based on relevant content standards and consistent with the National Standards for Family and Consumer Sciences Education and the Nation Career Clusters Initiative; and appropriate to validate achievement of competencies related to fashion, textiles, and apparel.
Pre-Professional Assessment and Certification in Interior Design Fundamentals	Interior Design II	<p>The Interior Design Fundamentals assessment and certification are:</p> <ul style="list-style-type: none"> <li>• driven by industry standards;</li> <li>• based on relevant content standards and consistent with the National Standards for Family and Consumer Sciences Education and the National Career Clusters Initiative;</li> <li>• appropriate to validate achievement of competences related to the fundamental principles of interior design;</li> <li>• useful in a broad range of education and employment settings, such as secondary and post-secondary education and employer-based human resource and staff development programs; and</li> <li>• advantaged to utilize a gold-standard, computer-based testing platform format that provides for valid and reliable competency measurement, and a reporting mechanism for data-driven</li> </ul>

		program improvement, accountability, and individual remediation and acceleration.
CPR	Early Childhood Education I, Early Childhood Education II	Basic Life Support (BLS) training reinforces healthcare professionals' understanding of the importance of early CPR and defibrillation, basic steps of performing CPR, relieving choking, and using an AED; and the role of each link in the chain of survival. Successful completion of the course earns Healthcare Professional BLS certification through the American Heart Association.
First Aid	Early Childhood Education I, Early Childhood Education II	American Red Cross first aid training classes give you the information and the skills you need to help adults and children during many emergency situations.
North Carolina Early Childhood Credential (NCECC)	Early Childhood Education II	In North Carolina's Star Rated License System for childcare facilities, lead teachers must have the North Carolina Early Childhood Credential or an equivalent to the credential. Through the Early Childhood Education program, students are eligible to earn the lead teacher equivalency, which carries equal weight, to the NCECC in NC's tiered Star Rated License System.
ANSI-Accredited Food Protection Manager Certification	Culinary Arts and Hospitality I, Culinary Arts and Hospitality App II, Culinary Arts and Hospitality II Int	Certified Food Protection Managers are an essential part of a food safety culture that keeps your customers safe from bloodborne illnesses. This certification is accredited under exam standards set by the Conference of Food Protection.
Pre-Professional Assessment and certification	Culinary Arts and Hospitality II	The PrePAC industry recognized certifications are designed to document an individual's knowledge of skills and abilities to meet rigorous content standards and current business and industry standards.
Certified Fundamentals Cook	Culinary, Arts and Hospitality III	The ACF certifications help culinarians achieve certification based on education, experience, and successful written and practical exams. These certifications make a chef a more valuable candidate for hiring and promotion.
ProStart National Certificate of Achievement	Culinary Arts and Hospitality III	The ProStart National COA is awarded to students who pass two national exams, demonstrate mastery of foundational skills, and work 400 mentored hours in the culinary industry. Students who receive the COA are eligible for National Restaurant Association Educational

		Foundation scholarship opportunities and course credits at leading hospitality and culinary arts colleges and universities.
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HEALTH SCIENCE EDUCATION		
Credential or Certification	Applicable Course(s)	Description
CPhT Certified Pharmacy Technician	Pharmacy Technician	CPhT certification demonstrates a technician's knowledge and commitment in medication safety and effective patient care across pharmacy settings. This course will prepare students for the Pharmacy Technician Certification Exam.
CPR/AED	PLTW Human Body Systems, Health Science II	Basic Life Support (BLS) training reinforces healthcare professionals' understanding of the importance of early CPR and defibrillation, basic steps of performing CPR, relieving choking, and using an AED, and the role of each link in the chain of survival. Successful completion of the course earns Healthcare Professional BLS certification through the American Heart Association.
First Aid	PLTW Human Body Systems, Health Science I	Early Childhood Education I & II, PLTW Human Body Systems, and Health Science I - American Red Cross first aid training classes give you the information and the skills you need to help adults and children during many emergency situations.
Nurse Aide I	Nursing Fundamentals and Practicum	Nurse Aide I is the basic credential for nurse aides in North Carolina. The Nurse Aide I is awarded by the Department of Health and Human Services and is the foundation for practice at higher levels. Students must successfully complete a training program, National Nurse Aide Assessment Program exam, and demonstrate mastery of patient care skills to be eligible for listing on the NC Nurse Aide Registry.
Stop the Bleed	PLTW Human Body Systems, Health Science II	Developed by the American College of Surgeons, Stop the Bleed teaches bleeding control for the injured.
OSHA 10-Hour Industry Certification (Healthcare)	Health Science II	The OSHA 10-Hour Industry (Healthcare) training course provides training for entry-level workers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in the healthcare industry.



TRADE, TECHNOLOGY, ENGINEERING AND INDUSTRIAL EDUCATION		
Credential or Certification	Applicable Course(s)	Description
OSHA 10-Hour Construction industry certification	Construction Core	OSHA 10-Hour Construction training is designed for entry-level workers in construction, demolition, building development and other fields in the construction industry. Certain employers, unions, states and other jurisdictions require OSHA 10, but OSHA considers it a voluntary program.
NC NCCER – Construction Core	Construction Core	The National Center for Construction Education and Research provides training, assessment, certification and career development for construction and maintenance craft professionals. NCCER's industry-recognized credentials provide students and craft professionals with national portability of skills.
NC NCCER – Carpentry I	Carpentry I	
NC NCCER - Carpentry II	Carpentry II	
NC NCCER - Carpentry III	Carpentry III	
NC NCCER - Electrical Trades I	Electrical Trades I	
NC NCCER - Electrical Trades II	Electrical Trades II	
NC NCCER - Electrical Trades III	Electrical Trades III	
Autodesk Certified User AutoCAD	Drafting I	Autodesk Certifications signal students' experience with future-focused skills and workflows and ability to step into emerging roles in their fields.
Autodesk Certified User Revit	Drafting II - Architectural	
Autodesk Certified Professional Revit	Drafting III - Architectural	
NCDOT NC UAS Operator Permit	Drone Technology I	Commercial operators can operate drones under <a href="#">14 CFR Part 107, also known as the Small UAS Rule</a> . The rule requires the person operating a small unmanned aircraft system to either hold a remote pilot airman certificate with a small UAS rating or be under the direct supervision of a person who does hold a remote pilot certificate (remote pilot in command).
VFR 14 Part 107 UAS Remote Pilot Certification	Drone Technology I	
NC NCCER HVAC/R I	HVAC/R I	

NC NCCER HVAC/R II	HVAC/R II	The National Center for Construction Education and Research provides training, assessment, certification and career development for construction and maintenance craft professionals. NCCER's industry-recognized credentials provide students and craft professionals with national portability of skills.
NC NCCER HVAC/R III	HVAC/R III	
ETA EM1	Electronics I	ETA® International, an accredited, industry-recognized certification association. ETA is a not-for-profit 501(c)(6) trade association that serves technology-related industries by providing individual certifications per the ISO 17024 standard for certification bodies. ETA works closely with top industry professionals to provide industry-backed certifications that fill the needs of ETA's members, though membership is not required to take an ETA examination.
ETA EM4	Electronics II	
ETA EM3	Electronics III	
NIMS Measurement, Materials, and Safety	Metal Manufacturing Technology I	NIMS credentials are earned by students, trainees, apprentices, employees, and military personnel nationwide and around the world. By earning NIMS credentials, these individuals secure a competitive edge when applying for jobs because they have demonstrated that their skills meet the industry established standards. NIMS credentials never expire.
NIMS Jobs, Planning, Benchmark, and Layout	Metal Manufacturing Technology II	
NIMS Milling	Metal Manufacturing Technology II	
National Incident Management System	Public Safety I	The National Incident Management System (NIMS) Training Program helps to mitigate risk by achieving greater preparedness. The training program facilitates training and qualifications of emergency management personnel to NIMS concepts and principles.
Community Emergency Response Team (CERT)	Public Safety II	CERT offers a consistent, nationwide approach to volunteer training and organization that professional responders can rely on during disaster situations, allowing them to focus on more complex tasks.
NECI 911 Basic Communications	Public Safety II	This 40 hour 9-1-1 Basic Communications course provides employees with the basic knowledge, skills, and experience to understand the functional operation of an emergency communications system, and their role and responsibilities within the emergency communication system.
NC Emergency Management I certification	Emergency Management I	A certification, devised by the NC Division of Emergency Management, whose purpose is to “strengthen and enhance the professional competencies of emergency management personnel in State and local emergency management agencies.”
NC Emergency Management II certification	Emergency Management II	
S/P2 - Mechanical Pollution Prevention	Automotive Service Fundamentals	S/P2 works with the automotive service, collision repair and refinish, heavy-duty/diesel, welding, construction, cosmetology, and culinary

S/P2 - Mechanical Safety	Automotive Service Fundamentals	industries. In addition to our OSHA and EPA training, S/P2 covers topics in ethics, human resources, mentoring, sustainability, and soft skills.
ASE Entry-Level Certification-Maintenance and Light Repair	Automotive Service II	The National Institute for Automotive Service Excellence (ASE) Entry-Level certification tests are designed to indicate a satisfactory level of practical knowledge-based readiness for the workforce in candidates seeking a career in the automotive service industry. ASE Entry-Level certification tests available for the automotive series: Maintenance and Light Repair, Brakes, and Electrical/Electronic Systems.
ASE Entry-Level Certification - Brakes	Automotive Service II	
ASE Entry-Level Certification Electrical/Electronic Systems	Automotive Service III	
ASE - Auto Maintenance and Light Repair (Test G1)	Automotive Services III	The National Institute for Automotive Service Excellence (ASE) Entry-Level certification tests are designed to indicate a satisfactory level of practical knowledge-based readiness for the workforce in candidates seeking a career in the automotive service industry. ASE Entry-Level certification tests available for the automotive series: Maintenance and Light Repair, Brakes, and Electrical/Electronic Systems.
S/P2 Collision and Repair and Refinish - Pollution Prevention	Collisions Repair Fundamentals	S/P2 provides industry-specific training covering topics in the automotive service industry. Students may earn certifications for Mechanical Pollution Prevention and Mechanical Safety to demonstrate mastery of skills that are desirable to employers in the automotive industry
S/P2 Collision and Repair Safety	Collisions Repair Fundamentals	
Platinum ProLevel 1 for Non-Structural	Collision Repair II	When an individual auto collision repair technician is I-CAR certified, it means that technician has achieved and maintained a certain level of training and excellence with collision repair.
Platinum ProLevel 1 for Refinishing	Collision Repair II	
ASE Entry-Level Certification Painting and Refinishing	Collision Repair II	The National Institute for Automotive Service Excellence (ASE) Entry-Level certification tests are designed to indicate a satisfactory level of practical knowledge-based readiness for the workforce in candidates seeking a career in the automotive service industry. ASE Entry-Level certification tests available for the automotive series: Maintenance and Light Repair, Brakes, and Electrical/Electronic Systems.
Autodesk Certified User Inventor	Drafting Engineering II	Autodesk Certification signal students experience with future-focused skills and workflows and ability to step into emerging roles in their field.
Certified Solidworks Associate (CSWA)	Drafting Engineering II	The CSWA is proof of your SOLIDWORKS expertise with cutting edge skills that businesses seek out and reward.