

**The North Carolina Statewide High School to Community College Career and Technical Education
(CTE) Articulation Agreement**

Approved by the State Board of Community Colleges on May 16, 2025

High School Course	Community College	Aligned with Industry
BA10 Accounting I	ACC-115 College Accounting	Intuit Certified Bookkeeping Professional
BA20 Accounting II	ACC-115 College Accounting	QuickBooks Online Certified User
CC10 Microsoft Word and PowerPoint	OST-136 Word Processing	Microsoft Office Specialist PowerPoint AND Microsoft Office Specialist Word
CC11 Microsoft Excel	CTS-130 Spreadsheet AND CTS-230 Advanced Spreadsheets	Microsoft Office Specialist Excel or Microsoft Office Specialist Excel Expert
CI20 Network Administration I AND CI21 Network Administration II	NET-110 Networking Concepts	CompTIA Network+ N10-009
CS10 Introduction to Computer Science	CSC-119 Programming Orientation	N/A
CS20 Computer Science I AND CS21 Computer Science II	CSC-120 Computer Fundamentals I OR CSC-143 Object-Oriented	N/A
CI30 Cybersecurity I AND CI31 Cybersecurity II	SEC -110 Security Concepts	CI00: N/A CI01: CompTIA Security+
CP10 Python Programming I AND CP11 Python Programming II	CSC-121 Python Programming	CP10: PCEP - Certified Entry-level Python Programmer CP11: PCAP Certified Associate in Python Programming
CS30 Introduction to Data Science AND CS31 SAS Base Programming	CSC-152 SAS	SAS Base Programming Specialist

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CD10 Adobe Visual Design I	GRD-151 Computer Design Basics OR DME-110 Intro to Media Technology	Adobe Certified Professional - Graphic Design and Illustration Using Adobe Illustrator AND Adobe Certified Professional - Visual Design Using Adobe Photoshop
CD11 Adobe Visual Design II	GRD-141 Graphic Design I OR DME-115 Graphic Design Tools	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign
CD12 Adobe Digital Design	WEB-110 Web Development Fundamentals	Adobe Certified Professionals. Web Authorizing Using Adobe Dreamweaver
CD12 Adobe Digital Design	GRD-188 Graphic Design for the Web I	Adobe Certified Professionals. Web Authorizing Using Adobe Dreamweaver
CD14 Adobe Video Design I	DME-140 Intro to Audio/Video Media	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro
CD20 3D Modeling and Animation I AND CD21 3D Modeling and Animation II	SGD-114 3D Modeling I	CD21: Autodesk Certified User 3DS Max OR Autodesk Certified User Maya
CD20 3D Modeling and Animation I AND CD30 Game Art and Design I	SGD-111 Introduction to SGD	N/A
CI01 Computer Engineering Technology I AND CI02 Computer Engineering Technology II	CET-111 Computer Upgrade/Repair I AND CTS-120 Hardware/Software Support	CI01: CompTIA A+ (Core 1) CI02: CompTIA A+ (Core 2)

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CI10 Cisco Network Engineering Technology I AND CI11 Cisco Network Engineering Technology II	NET-125 Introduction to Networks AND NET-126 Switching and Routing AND NET-225 Enterprise Networking	CI11: Cisco Certified Support Technician (CCST) Networking
ME11 Entrepreneurship I	BUS-139 Entrepreneurship I OR	Venture Entrepreneurial Expedition
MI31 Sales I	MKT-123 Fundamentals of Selling	N/A
MM51 Marketing I	MKT-120 Principles of Marketing	CIW Social Media Strategist
FC14 Counseling and Mental Health II	HSE-120 Interpersonal Relations	Pre-Professional Assessment and Certification in Family and Community Services;
FE11 Early Childhood Education I	EDU-119 Introduction to Early Childhood Education	First Aid/CPR/AED; North Carolina Early Childcare Credential Equivalency
FE12 Early Childhood Education II	EDU-151 Creative Activities	N/A
FH10 Culinary Arts and Hospitality I AND FH11 Culinary Arts and Hospitality II Applications OR FH12 Culinary Arts and Hospitality II Internship AND FH13 Culinary Arts and Hospitality III	CUL-140 Culinary Skills I & CUL-140A Culinary Skills I Lab	FH10: N/A FH11: ANSI-Accredited Food Protection Manager Certification FH12: ANSI-Accredited Food Protection Manager Certification FH13: Certified Fundamentals Cook (CFC) OR Pre-Professional Certification in Culinary Arts OR ProStart National Certificate of Achievement (COA)

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FN41 Food and Nutrition I AND FN42 Food and Nutrition II	CUL-112 Nutrition for Food Service AND CUL-112 A Nutrition for Food Service Lab	FN41: ANSI-Accredited Food Handler Certificate FN42: ANSI-Accredited Food Protection Manager Certification Pre-Professional Certification in Nutrition, Food, and Wellness
FN41 Food and Nutrition I AND FN42 Food and Nutrition II OR FH10 Culinary Arts and Hospitality I AND FH11 Culinary Arts and Hospitality II AND FH12 Culinary Arts and Hospitality II Internship	CUL-110 Safety and Sanitation AND CUL-110A Safety and Sanitation Lab	FN41: ANSI-Accredited Food Handler Certificate FN42: ANSI-Accredited Food Protection Manager Certification Pre-Professional Certification in Nutrition, Food, and Wellness FH10: N/A FH11: ANSI-Accredited Food Protection Manager Certification FH12: ANSI-Accredited Food Protection Manager Certification
FN43 Food Science and Technology	CUL-150 Food Science AND CUL-150 A Food Science Lab	AMSA Food Safety and Science Certification Pre-Professional Certification in Food Science Fundamentals
FI23 Interior Design Technology	ARC-225 Architectural Building Information Modeling I AND ARC-225A Lab	Autodesk Certified User in Revit for Architectural Design
HH32 Pharmacy Technology	PHM-165 Pharmacy Prof Practice	CPhT Certified Pharmacy Technician
HN43 Nursing Fundamentals and Practicum	NAS-101 Nurse Aide 1	NC Nurse Aide I (Certified Nursing Assistant)
IP22 Emergency Medical Technology	EMS-110 Emergency Medical Technician	Emergency Medical Technician Traffic Incident Management (TIMS)

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IC00 Core and Sustainable Construction AND IC21 Carpentry I	CAR-110 Intro to Carpentry	IC00: NC NCCER - Construction Core, IC21: NC NCCER - Carpentry I
IC00 Core and Sustainable Construction, IC41 Electrical Trades I, AND IC42 Electrical Trades II	ELC-113 Residential Wiring	IC00: NC NCCER - Construction Core OSHA 10-hour Construction Safety and Health IC41: NC NCCER - Electrical Trades I IC42: NC NCCER - Electrical Trades II
IC21 Carpentry I AND IC22 Carpentry II	ARC-112 Construction Materials and Methods	IC21: NC NCCER - Carpentry I IC22: NC NCCER - Carpentry II
IC61 Drafting I AND IC62 Drafting II - Architectural	ARC-114 Architectural CAD & ARC-114A Architectural CAD Lab	IC61: Autodesk Certified User AutoCAD IC62: Autodesk Certified User in Revit for Architectural Design
IM41 Metals Manufacturing Technology I AND IM42 Metals Manufacturing Technology II	MAC- 111 Machining Technology I AND MAC-151 Machining Calculations	IM41: NIMS Measurement, Materials, and Safety IM42: NIMS Job Planning, Benchwork, and Layout
IM61 Welding Technology I	WLD-110 Cutting Processes	AWS SENSE Entry Welder Program - Thermal Cutting Process OSHA 10-hour Construction Safety and Health OR S/P2 - Welding

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IM61 Welding Technology I AND IM62 Welding Technology II	WLD-110 Cutting Processes AND WLD-115 SMAW (Stick) Plate	IM61: AWS SENSE Entry Welder Program - Thermal Cutting Process OSHA 10-hour Construction Safety and Health OR S/P2 - Welding IM62: AWS SENSE Entry Welder Program - Shielded Metal Arc Welding Process OR Certified Welder per Welding Code AWS D1.1 (SMAW)
IM63 Welding Technology III	WLD-121 GMAW (MIG) FCAW/Plate	AWS SENSE Entry Welder Program - Flux Cored Arc Welding Process AND AWS SENSE Entry Welder Program
IT11 Automotive Service Fundamentals	TRN-110 Introduction to Transportation Technologies	Automotive Lift Institute - Lifting It Right: School Edition S/P2 Automotive Service Pollution Prevention S/P2 Automotive Service Safety
IT16 Automotive Service I AND IT17 Automotive Service II AND IT18 Automotive Service III, must complete MLR Task List	AUT-113 Automotive Servicing I	IT17: ASE Entry-Level Certification - Maintenance and Light Repair IT18: ASE Entry-Level
IT30 Collision Repair Fundamentals	TRN-110 Introduction to Transportation Technologies	S/P2 Collision Repair and Refinish - Pollution Prevention S/P2 Collision Repair and Refinish Safety
IT30 Collision Repair Fundamentals AND IT31 Collision Repair I AND IT32 Collision Repair	AUB-121 Non-structural Damage	IT32: I-CAR Platinum ProLevel 1 for Non-Structural
IT30 Collision Repair Fundamentals AND IT31 Collision Repair I AND IT33 Collision Repair II - Refinishing	AUB-111 Painting and Refinishing I	T33: ASE Entry-Level Certification - Painting and Refinishing OR I-CAR Platinum ProLevel 1 for Refinishing
AP41 Horticulture I - Introduction to Plants	HOR-150 Introduction to Horticulture	N/A

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AP42 Horticulture II - Plant Production	HOR-168 Plant Propagation	N/A
AS32 Agriculture Mechanics II	WLD-112 Basic Welding Processes	Certified Welder per Welding Code AWS D1.1 (FCAW) AND Certified Welder per Welding Code AWS D1.1 (GMAW)
AS32 Agriculture Mechanics II	TRN-180 Basic Welding for Transportation	AS31: OSHA 10-hour General Industry Safety and Health AS32: Certified Welders per Welding Code AWS D1.1 AS32: National Safe Tractor and Machinery Operation Certification