

The North Carolina 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 Course(s) | Aligned with Industry Credential |
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| BA10 Accounting I | ACC-115 College Accounting | Intuit Certified Bookkeeping Professional |
| BA20 Accounting II | ACC-115 College Accounting OR ACC-150 Accounting Software Applications | 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 Programming | N/A |
| CI30 Cybersecurity I AND CI31 Cybersecurity II | SEC -110 Security Concepts | CI30: N/A CI31: 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 |
| 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 |

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| 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 OR CTI-130 OS and Device Foundations | CI01: CompTIA A+ (Core 1) CI02: CompTIA A+ (Core 2) |
| 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 ETR-210 Introduction to Entrepreneurship | Venture Entrepreneurial Expedition |
| MI31 Sales I | MKT-123 Fundamentals of Selling | N/A |
| MM51 Marketing I | MKT-120 Principals of Marketing | N/A |
| 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 | CUL-140 Culinary Skills I OR CUL-142 Fundamentals of Food | FH10: N/A FH11: ANSI-Accredited Food Protection Manager Certification |

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| Hospitality II Applications OR FH12 Culinary Arts and Hospitality II Internship AND FH13 Culinary Arts and Hospitality III | | 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) |
| 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 Applications OR 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) |
| IC00 Core and Sustainable Construction and IC11 Masonry I AND IC12 Masonry II | MAS-110 Masonry I | IC11: NC NCCER - Masonry I OSHA 10-hour Construction Safety and Health IC12: NC NCCER - Masonry II |

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| IC00 Core and Sustainable Construction AND IC21 Carpentry I | CAR-110 Intro to Carpentry OR WOL-110 Basic Construction Skills OR CST-110 Intro to Construction | 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 |
| IC13 Masonry III | MAS-110 Masonry I | NC NCCER - Masonry III |
| 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 | DFT-111 Technical Drafting I AND DFT-111A Technical Drafting Lab | Autodesk Certified User AutoCAD |
| IC61 Drafting I AND IC62 Drafting II - Architectural | DFT-115 Architectural Drafting OR DFT-119 Basic CAD OR ARC-114 Architectural CAD | IC61: Autodesk Certified User AutoCAD IC62: Autodesk Certified User in Revit for Architectural Design |
| IC61 Drafting I AND IV22 Drafting II - Engineering | DFT-151 CAD I | IC61: Autodesk Certified User AutoCAD IV22: Autodesk Certified User in Inventor for Mechanical Design OR SolidWorks CAD Design Associate (CSWA) OR Autodesk Certified User Fusion 360 |
| IM21 Woodworking I AND IM22 Woodworking II | CAB-111 Cabinetmaking I | IM21: OSHA 10-Hour Construction Industry Certification, IM22: Woodwork Career Alliance (WCA) Sawblade Certificate |
| IM41 Metals Manufacturing Technology I AND IM42 Metals Manufacturing Technology II | BPR-111 Blueprint Reading AND 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 OR WLD-123 FCAW Plate | AWS SENSE Entry Welder Program - Flux Cored Arc Welding Process AND AWS SENSE Entry Welder Program - Gas Metal Arc Welding Process OR Certified Welder per Welding Code AWS D1.1 (FCAW) AND Certified Welder per Welding Code AWS D1.1 (GMAW) |
| 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 | TRN-111 Chassis Maint/Light Repair AND TRN-112 Powertrain Maint/Light Repair AND AUT-113 Automotive Servicing I | IT17: ASE Entry-Level Certification - Maintenance and Light Repair IT18: ASE Entry-Level Certification - Electrical/Electronic Systems |
| 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 II- Non-structural | 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 | IT33: ASE Entry-Level Certification - Painting and Refinishing OR I-CAR Platinum ProLevel 1 for Refinishing |

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| AA22 Animal Science II - Food Animal | ANS-110 Animal Science | North Carolina Beef Quality Assurance |
| AA41 Veterinary Assisting | VET-114 Intro to Vet Med Tech | Elanco Veterinary Medical Applications Certification OR Certified Veterinary Assistant |
| AN53 Natural Resources II - Forestry | FOR-171 Intro to Forest Resources | Certified Forest Worker |
| AP41 Horticulture I - Introduction to Plants | HOR-150 Introduction to Horticulture | N/A |
| AP42 Horticulture II - Plant Production | HOR-152 Agribusiness Technology | N/A |
| AP42 Horticulture II - Plant Production | HOR-168 Plant Propagation | N/A |
| AP44 Horticulture II - Landscape Construction | HOR-110 Intro to Landscaping OR LSG-111 Basic Landscaping Tech. OR HOR-114 Landscape Construction | Future Plant Professional |
| 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 |
| AU21 Sustainable Agriculture Production I AND AU22 Sustainable Agriculture Production II | AGR-139 Intro to Sustainable Ag | AU22: Certified Beekeeper |
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Revised: Technical edits approved 03/04/2026; 03/09/2026