



COLLEGE <sup>OF</sup>  
THE  
ALBEMARLE

**LOCAL CAREER AND TECHNICAL EDUCATION  
ARTICULATION AGREEMENT**

**COLLEGE OF THE ALBEMARLE**

**2023**

## OVERVIEW

This local Articulation Agreement details the options and requirements designed to provide students with a seamless process joining secondary and postsecondary Career and Technical Education (CTE) programs of study. For all offerings, please utilize the information on the COA Website for the most up-to-date information.

### **I. Articulated credit for High School Courses – Pages 3 - 7**

This agreement is comprised of high school CTE Courses that match the knowledge and skills taught in similar College of The Albemarle (COA) courses. The Articulation Agreement ensures that if a student is proficient in the high school courses, then the student can receive college credit for that course offered at COA. This agreement streamlines the student's educational pathway by eliminating the need to take multiple courses with the same learning outcomes.

To receive articulated credit, the student must enroll in a community college within two years of their high school graduation date and must have a grade of B or higher in the course. COA does not offer every program and/or course listed.

### **II. Career and College Promise CTE Pathways - Pages 8 - 14**

High school students who enroll in a Career and College Promise (CCP) pathway may earn articulated college credits as described in this agreement while enrolled in high school if the CTE articulated college credit is part of their CCP Pathway and the following criteria are met:

- Students must be a junior or senior.
- Students must have a 2.8 unweighted GPA or demonstrate college readiness on an approved assessment or have the recommendation of the high school principal.
- Students must be making progress toward high school graduation.
- Students must meet course prerequisites and admission requirements.

To maintain eligibility, student must:

- Continue to make progress toward high school graduation.
- Meet the college's academic progress policy for all students.

The options for students are listed on the tables on the following pages. Updates to the information shall be shared with all partners.

<b>High School Program Area</b>	<b>High School Course Number &amp; Title</b>	<b>Community College Course Number &amp; Title</b>	<b>Aligned with Industry Credential (Non-expired)</b>
Business, Finance, and Marketing Education	BA10 Accounting I	ACC-115 College Accounting	N/A
Business, Finance, and Marketing Education	BA20 Accounting II	ACC-115 College Accounting OR ACC-150 Ac Accounting Software Application	Intuit QuickBooks Certified User
Computer Science, IT, and Technology Education	BM10 Microsoft Word and PowerPoint	OST-136 Word Processing	Microsoft Office Specialist 2019 or above Word Microsoft Office Specialist 2019 or above PowerPoint
Computer Science, IT, and Technology Education	BM20 Microsoft Excel	CTS-130 Spreadsheet AND CTS 230 Advanced Spreadsheet	Microsoft Office Specialist 2019 or above Excel Expert
Computer Science, IT, and Technology Education	BN20 Network Administration I AND BN22 Network Administration II	NET-110 Networking Concepts	CompTIA Network+ + N10-008
Computer Science, IT, and Technology Education	BP01 Introduction to Computer Science	CSC-119 Programming Orientation	N/A
Computer Science, IT, and Technology Education	BP42 Computer Science II	CSC-120 Computer Fundamentals I OR CSC 143 Object-Oriented Programming	N/A
Computer Science, IT, and Technology Education	II11 Cisco Network Engineering Technology I AND II12 Cisco Network Engineering Technology II	NET-125 Introduction to Networks AND NET-126 Switching and Routing AND NET-225 Enterprise Networking	Cisco Certified Technician (CCT) Routing and Switching

Computer Science, IT, and Technology Education	II21 Computer Engineering Technology I AND II22 Computer Engineering Technology II	CET-111 Computer Upgrade/Repair I AND CTS-120 Hardware/Software Support OR CTI-130 Os and Device Foundations	CompTIA A+ 220-1101 AND CompTIA A+ 220-1102
Computer Science, IT, and Technology Education	II45 Adobe Video Design I	DME-140 Intro to Audio/Video Media	Adobe Certified Professional 2020 or above Premiere Pro
Family and Consumer Sciences Education	FE11 Early Childhood Education I	EDU-119 Introduction to Early Childhood Education	NC Child Care Credential
Family and Consumer Sciences Education	FC14 Counseling and Mental Health II	HSE-120 Interpersonal Relations	Pre-Professional Assessment and Certification in Family and Community Services
Family and Consumer Sciences Education	FH10 Culinary Arts and Hospitality I FH11 Culinary Arts and Hospitality II Applications FH12 Culinary Arts and Hospitality II Internship FH13 Culinary Arts and Hospitality III	CUL-140 Culinary Skills I or CUL-142 Fundamentals of Food	FH10, FH11, and FH12: ANSI-Accredited Food Protection Manager Certification (SERV Safe Manager CerOfica0on) FH13: Certification Fundamentals Cook (CFC) FH13: ProStart National Certificate of Achievement FH13: Pre-Professional Assessment and Certification in Culinary Arts
Family and Consumer Sciences Education	FN41 Food and Nutrition I AND FN42 Food and Nutrition II - Enterprise	CUL-112 Nutrition for Foodservice AND CUL-112A Nutrition for Foodservice Lab	FN41: ANSI-Accredited Food Handler Certificate, FN42: ANSI-Accredited Food Protection Manager, Certification (SERV Safe Manager Certification)

Family and Consumer Sciences Education	FN41 Food and Nutrition I and FN42 Food and Nutrition II FH10 Culinary Arts and Hospitality I and FH11 Culinary Arts and Hospitality II Applications or FH12 Culinary Arts and Hospitality II Internship	CUL-110 Sanitation & Safety AND CUL-110A Sanitation & Safety Lab	FN41: ANSI-Accredited Food Handler Certificate FN42 and FH10-12: ANSI Accredited Food Protection Manager Certification (SERV Safe Manager Certification) FN42: Pre-Professional Assessment and Certification in Nutrition, Food, and Wellness
Family and Consumer Sciences Education	FN43 Food Science and Technology	CUL-150 Food Science AND CUL-150A Food Science Lab	Food Safety and Science Certification, Pre Professional Assessment and Certification in Food, Science Fundamentals
Health Science Education	HN43 Nursing Fundamentals and Practicum	NAS-101 Nursing Aide I	NC Nurse Aide I (Certified Nursing Assistant)
Health Science Education	HH32 Pharmacy Technician	PHM-165 Pharmacy Prof Practice	CPhT Certified Pharmacy Technician
Business, Finance, and Marketing Education	ME11 Entrepreneurship I	BUS-139 Entrepreneurship I OR ETR 210 Introduction to Entrepreneurship	Venture Entrepreneurial Experience
Business, Finance, and Marketing Education	MM51 Marketing	MKT-120 Principles of Marketing	N/A
Business, Finance, and Marketing Education	MI31 Sales I	MKT-123 Fundamentals of Selling	N/A
Trade and Industrial Education	IT11 Automotive Service Fundamentals	TRN 110 Introduction to Transportation Technology	S/P2 Automotive Service Pollution Prevention, S/P2 Automotive Service Safety

Trade and Industrial Education	IT16 Automotive Service I AND IT17 Automotive Service II AND IT18 Automotive Service III	TRN-111 Chassis Main/Light Repair AND TRN-112 Powertrain Main/Light Repair AND AUT-113 Automotive Servicing I * Must complete MLR Task List	IT17: ASE Entry-Level Certification - Maintenance and Light Repair, IT17: ASE Entry-Level Certification Brakes, IT18: ASE - Auto Maintenance and Light Repair (Test G1), IT18: ASE Entry-Level Certification - Electrical/Electronic Systems
Trade and Industrial Education	IT30 Collision Repair Fundamentals	TRN 110 Introduction to Transportation Technologies	S/P2 Automotive Service Pollution Prevention, S/P2 Automotive Service Safety
Trade and Industrial Education	IT30 Collision Repair Fundamentals AND IT31 Collision Repair I AND IT32 Collision Repair II- Non-structural	AUB-121 Non-structural Damage I	IT30: S/P2 Collision Repair and Refinish - Pollution Prevention, IT30: S/P2 Collision Repair and Refinish Safety, IT32: I-CAR Platinum Relevel 1 for Non Structural
Trade and Industrial Education	IT30 Collision Repair Fundamentals AND IT31 Collision Repair I AND IT33 Collision Repair II - Refinishing	AUB-111 Painting and Refinishing I	IT30: S/P2 Collision Repair and Refinish - Pollution Prevention, IT30: S/P2 Collision Repair and Refinish Safety, IT33: ASE Entry Level Certification - Painting and Refinishing, IT33: I-CAR Platinum Relevel 1 for Refinishing
Trade and Industrial Education	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
Trade and Industrial Education	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

Trade and Industrial Education	IC61 Drafting I	DFT-111 Technical Drafting I AND DFT-111A Technical Drafting I Lab	Autodesk Certified User AutoCAD
Trade and Industrial Education	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 Revit

Trade and Industrial Education	IC61 Drafting I AND IV22 Drafting II - Engineering	DFT-151 CAD I	IC61: Autodesk Certified User AutoCAD, IV22: Autodesk Certified User Inventor OR Certified, SolidWorks Associate (CSWA)
Trade and Industrial Education	IV23 Drafting III - Engineering	DFT-112 Technical Drafting II AND DFT-112A Technical Drafting II Lab * Must receive credit for DFT111 before receiving credit for DFT112	Autodesk Certified Professional Inventor OR Certified SolidWorks Professional (CSWP)
Trade and Industrial Education	IC00 Core and Sustainable Construction AND IC41 Electrical Trades I AND IC42 Electrical Trades II	ELC-113 Residential Wiring	IC00: NC NCCER - Construction Core; IC41: NC NCCER - Electrical Trades 1; IC42: NC NCCER - Electrical Trades II
Trade and Industrial Education	IC00 Core and Sustainable Construction AND IC11 Masonry I AND IC12 Masonry II	MAS-110 Masonry I	N/A
Trade and Industrial Education	IC13 Masonry III	MAS-110 Masonry I	NC NCCER - Masonry III

Trade and Industrial Education	IM41 Metals Manufacturing Technology I AND IM42 Metals Manufacturing Technology II	BPR-111 Print 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
Trade and Industrial Education	IM61 Welding Technology I	WLD-110 Cutting Processes	AWS SENSE Entry Welder Program - Thermal Cutting Process, OSHA 10-Hour Construction Industry Certification, S/P2 - Welding Safety and Pollution Prevention
Trade and Industrial Education	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, IM61: OSHA 10-Hour Construction Industry Certification, IM61: S/P2 - Welding Safety and Pollution Prevention, IM62: AWS SENSE Entry Welder Program - Shielded Metal Arc Welding (SMAW), IM62: Certified Welder per Welding Code AWS D1.1 (SMAW)
Trade and Industrial Education	IM63 Welding Technology III	WLD-121 GMAW (MIG) FCAW/Plate OR WLD 123 FCAW Plate	AWS SENSE Entry Welder Program - Flux Cored Arc Welding (FCAW), AWS SENSE Entry Welder Program - Gas Metal Arc Welding (GMAW), Certified Welder per Welding Code AWS D1.1 (FCAW), Certified Welder per Welding Code AWS D1.1 (GMAW)



# ARTICULATED CREDIT HIGH SCHOOL AND COMMUNITY COLLEGE COURSES

## Career and Technical Education (CTE) Pathways for High School Students Pathways, Certificates and Diplomas College of The Albemarle 2023

CTE Pathway Options				
Pathway, Certificate and Diploma NUMBER	COA Program Name	Course Numbers	Course Title	Course Hours
P1032C	<b>CCP Associate of General Education – Nursing Pathway</b>	ACA 122	College Transfer Success	1
		ENG 111	Writing and Inquiry	3
		ENG 112	Writing/Research in the Disciplines	3
		PSY 150	General Psychology	3
		PSY 241	Developmental Psychology	3
		HUM	Optional/ PHI 240 recommended	3
		BIO 168	Anatomy and Physiology I	4
		BIO 169	Anatomy and Physiology II	4
				<b>Total Credits</b>
A1030NE C	<b>Associate in General Education – Nursing for Early College Students</b>	ACA 122	College Transfer Success	1
		ENG 111	Writing and Inquiry	3
		ENG 112	Writing/Research in the Disciplines	3
		ENG	231 American Lit I or 232 Am Lit II	3
		HUM	Optional/ PHI 240 recommended	3
		SOC 210	Intro to Sociology	3
		SOC	Options (SOC 213, 220, or 225)	3
		HIS	Options (HIS 111, 112, 131, or 132)	3
		BIO 168	Anatomy and Physiology I	4
		BIO 169	Anatomy and Physiology II	4
		BIO 275	Microbiology	4
		CHM	Options (151 or 130 & 130A)	4
		MAT 152	Statistical Methods I	4
		MAT	Options (143 or 171)	3-4
		SOC/Behv	Options (ECON 251 or 252; POL 120	3
		Electives	Options (ANT 210; CIS 110; COM 231; SPA 111)	3-4
		<b>Total Credits</b>	<b>60-91</b>	

COA **Associate Degree Nursing** (A.D.N.) is a partner with East Carolina University (ECU) for the Regionally Increasing Baccalaureate Nurses (RIBN) program. RIBN is specifically designed for HIGH SCHOOL SENIORS who meet high school graduation requirements, pre-admission test scores (ACT or SAT), and 3.0 minimum GPA. Students earn an Associate Degree in Nursing from COA and a Bachelor of Science in Nursing (BSN) from ECU. Applications for RIBN are through ECU.

<b>Agribusiness Technology</b>	AGR 139	Intro to Sustainable Agriculture	3
	ANS 110	Animal Science	3
	AGR 160	Plant Science	2
	HOR 160	Plant Material	3
	AGR 121	Biological Pest Management	3
	AGR 214	Agricultural Marketing	3
		<b>TOTAL Credits</b>	<b>18</b>
<b>Aviation Systems Technology</b>	AVI 110	Aviation Maintenance – General	15
		<b>TOTAL Credits</b>	<b>15</b>
<b>Criminal Justice Technology</b>	CJC 111	Intro to Criminal Justice	3
	CJC 112	Criminology	3
	CJC 113	Juvenile Justice	3
	CJC 212	Ethics and Community Relations	3
		<b>TOTAL Credits</b>	<b>12</b>
<b>Early Childhood Education</b>	EDU 119	Intro to ECE	4
	EDU 146	Child Guidance	3
	EDU 153	Health, Safety and Nutrition	3
	EDU 131	Child, Family and Community	3
	EDU 145	Child Development	3
		<b>TOTAL Credits</b>	<b>16</b>
<b>Emergency Medical Science</b>	EMS 110	Emergency Medical Technician	9
	BIO 168	Anatomy and Physiology I	4
	BIO 169	Anatomy and Physiology II	4
		<b>TOTAL Credits</b>	<b>17</b>
<b>General Business Administration</b>	ACC 120	Principles of Financial Accounting	4
	BUS 110	Introduction to Business	3
	CIS 110	Introduction to Computers	3
	ACC 121	Principles of Managerial Accounting	4
	BUS 115	Business Law	3
		<b>TOTAL Credits</b>	<b>17</b>
<b>Global Business</b>	BUS 115	Business Law	3
	MKT 120	Principles of Marketing	3
	INT 110	International Business	3
	BUS 110	Introduction to Business	3
	INT 210	International Trade	3
	INT 230	International Law	3
		<b>TOTAL Credits</b>	<b>18</b>
	HFS 110	Exercise Science	4

<b>Health and Fitness Science</b>	HFS 111	Fitness and Exercise Testing I	4
	HEA 112	First Aid and CPR	2
	HFS 120	Group Exercise Instruction	3
	HFS 210	Personal Training	3
	PED 110	Fit and Well for Life	2
		<b>TOTAL Credits</b>	<b>18</b>
<b>IT Computer Programming</b>	CIS 110	Introduction to Computers	3
	CIS 115	Introduction to Programming & Logic	3
	CSC 139	Visual Basic Programming	3
	CTI 110	Web Programming Database	3
	CTI 120	Network and Security Foundations	3
	CSC 239	Advanced Visual Basic Programming	3
		<b>TOTAL Credits</b>	<b>18</b>
<b>Medical Assisting</b>	MED 110	Orientation to Medical Assisting	1
	MED 121	Medical Terminology I	3
	MED 122	Medical Terminology II	3
	BIO 163	Basic Anatomy and Physiology	5
	MED 118	Medical Law and Ethics	2
		<b>TOTAL Credits</b>	<b>14</b>

<b>C25310H</b>	<b>Medical Office Receptionist</b>	CIS 110	Introduction to Computers	3
		MED 121	Medical Terminology I	3
		BUS 151	People Skills	3
		MED 122	Medical Terminology II	3
		OST 149	Medical Legal Issues	3
		OST 164	Office Editing	3
			<b>TOTAL Credits</b>	<b>18</b>
<b>D35100H</b>	<b>HVAC Technology</b>	COM 101	Workplace Communications	3
		ENG 102	Applied Communications II	3
		AHR 110	Intro to Refrigeration	5
		AHR 111	HVACR Electricity	3
		AHR 112	Heating Technology	4
		AHR 113	Comfort Cooling	4
		AHR 114	Heat Pump Technology	4
		AHR 130	HVAC Controls	3
		AHR 160	Refrigerant Controls	1
		AHR 213	HVACR Building Code	2
		AHR 255	Indoor Air Quality	2
		CIS 111	Basic PC Literacy	2
		WBL 110	World of Work	1
			<b>TOTAL Credits</b>	<b>37</b>
<b>D50150H</b>	<b>Computer Aided Drafting</b>	ENG 111	Writing and Inquiry	3
		MAT 110	Math Measurement and Literacy	3
		DFT 151	Computer-Aided Drafting I	3
		DFT 152	Computer -Aided Drafting II	3
		DFT 153	CAD III	3
		DFT 154	Intro to Solid Modeling	3
		DFT 189	Emerging Technology in CAD	2
		DFT 254	Intermediate Solid Modeling	3
		DFT 259	CAD Project	3
		ARC 111	Intro to Architectural Tech	3
		ISC 110	Workplace Safety	1
		SST 110	Intro to Sustainability	3
		WBL 110	World of Work	1
		MEC 161	Manufacturing Processes I	3
	<b>TOTAL Credits</b>	<b>37</b>		

D50210H	<b>Computer Integrated Machining</b>	COM 101	Workplace Communications	3
		MAT 110	Math Measurement and Literacy	3
		MAC 111	Machining Technology I	6
		MAC 112	Machining Technology II	6
		MAC 131	Blueprint Reading/ Mach I	2
		MAC 121	Intro to CNC	2
		MAC 122	CNC Turning	2
		MAC 124	CNC Milling	2
		MAC 151	Machining Calculations	2
		MAC 171	Measure/Material and Safety	2
		MAC 172	Job Plan, Bench and Layout	1
		MAC 132	Blueprint Reading/ Mach II	2
		MEC 110	Intro to CAD/CAM	2
		MAC 113	Machining Technology III	6
		WBL 110	World of Work	1
	<b>TOTAL Credits</b>	<b>42</b>		
D55150H	<b>Culinary Arts</b>	COM 101	Workplace Communications	3
		ENG 102	Applied Communications II	3
		CUL 110	Sanitation and Safety	2
		CUL 112	Nutrition for Foodservice	3
		CUL 120	Purchasing	2
		CUL 140	Culinary Skills I	5
		CUL 135	Food and Beverage Service	2
		CUL 160	Baking I	3
		CUL 170	Garde Manger I	3
		CUL 240	Culinary Skills II	5
		HRM 245	Human Resource Management	3
		CUL 230	Global Cuisines	5
		CUL 273	Career Development	1
		WBL 111	Work-Based Learning I	1
		WBL 121	Work-Based Learning II	1
	<b>TOTAL Credits</b>	<b>42</b>		

D5020H	<b>Welding Technology</b>	COM 101	Workplace Communications	3
		MAT 110	Math Measurement and Literacy	3
		WLD 110	Cutting Processes	2
		WLD 115	SMAW (Stick) Plate Welding	5
		WLD 121	GMAW (MIG) FCAW/Plate Welding	4
		WLD 131	GTAW (TIG) Plate	4
		WLD 141	Symbols and Specifications in Welding	3
		BPR 111	Blueprint Reading	2
		WLD 112	Basic Welding Processes	2
		WLD 116	SMAW (Stick) Plate/ Pipe Welding	4
		WLD 122	GMAW (MIG) FCAW/Plate/ Pipe Welding	3
		WLD 132	GTAW(TIG) Plate/ Pipe Welding	3
		WBL 110	World of Work	1
			<b>TOTAL Credits</b>	<b>39</b>
D45380H	<b>Human Services Technology</b>	ENG 111	Writing and Inquiry	3
		ENG 112	Writing/Research in the Disciplines	3
		PHI 240	Intro to Ethics	3
		HSE 110	Intro to Human Services	3
		HSE 112	Group Processes I	2
		HSE 210	Human Services Issues	2
		PSY 150	General Psychology	3
		PSY 241	Developmental Psychology	3
		SOC 210	Intro to Sociology	3
		BIO 163	Basic Anatomy and Physiology	5
		CIS 111	Basic PC Literacy	2
		HEA 110	Personal Health and Wellness	3
		MED 121	Medical Terminology I	3
		MED 122	Medical Terminology II	3
	<b>TOTAL Credits</b>	<b>42</b>		

D45970H	Nurse Aide	ENG 111	Writing and Inquiry	3
		ENG 112	Writing/Research in the Disciplines	3
		PHI 240	Intro to Ethics	3
		MED 121	Medical Terminology I	3
		MED 122	Medical Terminology II	3
		NAS 101	Nurse Aide I	6
		NAS 102	Nurse Aide II	6
		MED 118	Medical Laws and Ethics	2
		BIO 168	Anatomy and Physiology I	4
		BIO 169	Anatomy and Physiology II	4
		CIS 111	Basic PC Literacy	2
		PSY 150	General Psychology	3
		HEA 112	First Aid and CPR	2
		ACA 122	College Transfer Success	1
			<b>Total Credits</b>	<b>45</b>

	Number	Name	Hours
<b>Continuing Education Pathway with John A. Holmes – Edenton-Chowan</b>			
<b>Career Essential Pathway</b>	MNT 3111	Manufacturing Production Essentials	96
	OSH 3012	Forklift Certification	8
	OSH 3013	OSHA 10	
		<b>Total Hours</b>	<b>114</b>
<b>Continuing Education Pathway with Dare County High Schools: Hospitality and Tourism Workforce Credentials</b>	Tracks for all credentials All tracks complete: HRD 3005A HRD 3004A HOS 3070A		
	CAR 3112A	Maintenance	<b>97</b>
	HOS 3071A	Housekeeping	<b>97</b>
	CIS 3100A	Reservation Specialist	<b>103</b>