

STATE BOARD OF COMMUNITY COLLEGES
Updating the North Carolina High School to Community College Articulation Agreement

Request: The State Board of Community Colleges is asked to approve updates to the North Carolina High School to Community College Articulation Agreement. The changes are listed in the table that starts on the following page.

Background: The North Carolina High School to Community College Articulation Agreement provides a seamless process that joins secondary and postsecondary Career and Technical Education (CTE) programs of study.

This statewide articulation agreement comprises approximately 50 high school CTE courses that match the knowledge and skills taught in similar community college courses. The articulation agreement ensures that if a student is proficient in a certain high school course, the student can receive college credit for that course at any North Carolina community college. This streamlines the student's educational pathway by eliminating the need to pass multiple courses with the same learning outcomes.

Link to the complete Articulation Agreement: <http://www.ncperkins.org/course/view.php?id=4>

In addition to this statewide articulation agreement, local articulation agreements can be developed to build strong partnerships between high schools and individual community colleges. These local articulation agreements respond to new and emerging industries, provide for programs unique to the region, and add additional articulated courses and pathway alignments at the local level that are not included in the state agreement.

Rationale: Due to course changes at both secondary and postsecondary levels (new courses, archived courses, updated curriculum) we have been requesting updates to this Agreement every few years since the first articulation agreement was established in 1999. This update to the articulation agreement began with recommendations from state-level curriculum consultants from both the Department of Public Instruction and NCCCS. Then under the direction of the 58 community college chief academic officers, community colleges and the LEAs in their service area participated in evaluating the possible course matches. These teams of teachers and instructors examined the course descriptions, secondary course blueprints, postsecondary course syllabi, secondary essential standards, postsecondary student learning outcomes, as well as the number of classroom and lab hours. Course matches with a significant match of 80 percent of the material were recommended for inclusion in this agreement.

After the evaluation process, a final list of the proposed course matches was sent to the chief academic officers at each college for their final approval.

Contact:

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Following is the list of course matches that are currently included on the North Carolina High School to Community College Articulation Agreement as well as those that recently have been proposed for addition or removal.

- Shading indicates course matches that are included in the current agreement, which will stay in the agreement.
- Strikethroughs indicate course matches to be removed from the agreement.
- White background indicates proposed additions to the agreement.

High School Program Area	High School Course Number & Title	Community College Course Number & Title	Notes
Agricultural Education	AS32 Agricultural Mechanics II	WLD-112 Basic Welding Processes OR AGR-111 Basic Farm Maintenance	
Agricultural Education	AA22 Animal Science II	ANS-110 Animal Science	
Agricultural Education	AP41 Horticulture I	HOR-150 Intro to Horticulture	
Agricultural Education	AP44 Horticulture II - Landscaping	HOR-114 Landscaping Construction OR LSG-111 Basic Landscaping Technique	
Business and Information Technology Education	BA10 Accounting I	ACC-115 College Accounting OR ACC-118 Accounting Fundamentals I	
Business and Information Technology Education	BA20 Accounting II	ACC-115 College Accounting OR ACC-118 Accounting Fundamentals I OR ACC-119 Accounting Fundamentals II	
Business and Information Technology Education	BP12 Computer Programming II	CSC-153 C# Programming	
Business and Information Technology Education	BM10 Microsoft Word and Power Point	CIS-111 Basic PC Literacy OR CIS-124 DTP Graphics Software OR OST-136 Word Processing	
Business and Information Technology Education	BM10 Microsoft Word and Power Point AND BM20 Microsoft Excel and Access	OST-137 Office Software Applications	
Business and Information Technology Education	BM20 Microsoft Excel and Access	CTS-130 Spreadsheet	
Business and Information Technology Education	BD10 Multimedia and Webpage Design	WEB-110 Internet/Web Fundamentals OR WEB-120 Intro Internet Multimedia	

High School Program Area	High School Course Number & Title	Community College Course Number & Title	Notes
Business and Information Technology Education	BN20 Network Administration I	CTI-115 Computer Systems Foundation OR CTI-120 Network and Security Foundation OR NET-110 Networking Concepts OR NOS-110 Operating System Concepts OR SEC-110 Security Concepts	
Business and Information Technology Education	BN22 Network Administration II	CTS-112 Windows OR (NET-110 Networking Concepts AND NOS-230 Windows Admin I)	
Business and Information Technology Education	BF05 Personal Finance	BUS-125 Personal Finance	
Family and Consumer Science Education	FE11 Early Childhood Education I AND FE12 Early Childhood Education II	EDU-119 Intro to Early Childhood Education	
Family and Consumer Science Education	FN41 Foods I AND FN42 Foods II - Enterprise	CUL-112 Nutrition for Food Service	
Family and Consumer Science Education	(FN42 Foods II Enterprise OR FH20 Introduction to Culinary Arts & Hospitality) AND ServSafe certification	CUL-110 Sanitation & Safety AND CUL-110A Sanitation & Safety Lab	
Family and Consumer Science Education	FN43 Foods II - Technology	CUL-150 Food Science AND CUL-150A Food Science Lab	
Family and Consumer Science Education	FI53 Interior Applications	DES-235 Products	
Health Science Education	HU40 Health Science I	MED-121 Medical Terminology I AND MED-122 Medical Terminology II	
Health Science Education	HU42 Health Science II	HSC-110 Orientation to Health Careers AND (HSC-120 CPR OR MED-180 CPR Certification)	
Health Science Education	HN43 Nursing Fundamentals	NAS-101 Nursing Assistant I	
Health Science Education	HH32 Pharmacy Technician	PHM-110 Introduction to Pharmacy	
Marketing Education	ME11 Entrepreneurship I	ETR-210 Intro to Entrepreneurship	
Marketing Education	MM51 Marketing	ETR-230 Entrepreneur Marketing OR MKT-110 Principles of Fashion OR MKT-120 Principles of Marketing	

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High School Program Area	High School Course Number & Title	Community College Course Number & Title	Notes
Technology Engineering and Design Education	TE21 Principles of Technology I	PHY-121 Applied Physics	
Technology Engineering and Design Education	TE22 Principles of Technology II	EGR-115 Intro to Technology OR PHY-131 Physics - Mechanics	
Technology Engineering and Design Education	TP11 PLTW Introduction to Engineering Design AND TP12 PLTW Principles of Engineering AND TP23 PLTW Civil Engineering and Architecture	ARC-111 Intro to Arch Technology OR DDF-211 Design Process I	
Technology Engineering and Design Education	TE11 Technology Engineering and Design AND TE12 Technology Design AND TE13 Engineering Design	EGR-110 Intro to Engineering Technology AND (CEG-115 Intro to Technology and Sustainability OR EGR-115 Intro to Technology OR DDF-211 Design Process I)	
Trade and Industrial Education	IC00 Core and Sustainable Construction	WOL-110 Basic Construction Skills	
Trade and Industrial Education	IT12 (7512) Automotive Brakes	AUT-151 Brake Systems	
Trade and Industrial Education	IT14 (7514) Automotive Electrical AND IT15 (7515) Automotive Electrical Advanced	AUT-161 Basic Auto Electricity	
Trade and Industrial Education	IT16 (7511) Automotive Service	AUT-110 Intro to Auto Technology	
Trade and Industrial Education	IT16 Automotive Service I AND IT17 Automotive Service II AND IT18 Automotive Service III	TRN-111 Chassis Maint/Light Repair AND TRN-112 Powertrain Maint/Light Repair AND AUT-113 Automotive Servicing I	Must complete MLR Task List
Trade and Industrial Education	IM21 Cabinetmaking I AND IM22 Cabinetmaking II	CAB-111 Cabinetmaking I	
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	
Trade and Industrial Education	IC22 Carpentry II	CST-111 Construction I	

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High School Program Area	High School Course Number & Title	Community College Course Number & Title	Notes
Trade and Industrial Education	IC23 Carpentry III	CST-112 Construction II	Must receive credit for CST-111 before receiving credit for CST-112
Trade and Industrial Education	IC?? (7724) Carpentry IV	CST-113 Construction III	Must receive credit for CST-112 before receiving credit for CST-113
Trade and Industrial Education	II21 Computer Engineering Technology I	CTS-120 Hardware/Software Support	
Trade and Industrial Education	II22 Computer Engineering Technology II	CTS-220 Adv. Hard/Software Support	Must receive credit for CTS-120 before receiving credit for CTS-220
Trade and Industrial Education	IA31 Digital Media	DME-110 Intro to Digital Media	
Trade and Industrial Education	IA32 Advanced Digital Media	DME-115 Graphic Design Tools OR DME-120 Intro to Multimedia Appl.	
Trade and Industrial Education	IC61 Drafting I	DFT-111 Technical Drafting I AND DFT-111A Technical Drafting I Lab	
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	
Trade and Industrial Education	IC61 Drafting I AND IV22 Drafting II - Engineering	DFT-151 CAD I	
Trade and Industrial Education	IV23 Drafting III - Engineering	DFT-112 Technical Drafting II AND DFT-112A Technical Drafting II Lab	Must receive credit for DFT-111 before receiving credit for DFT-112
Trade and Industrial Education	IC00 Core and Sustainable Construction AND IC41 Electrical Trades I AND IC42 Electrical Trades II	ELC-113 Residential Wiring	
Trade and Industrial Education	IC43 Electrical Trades III	ELC-122 Advanced Residential Wiring	

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High School Program Area	High School Course Number & Title	Community College Course Number & Title	Notes
Trade and Industrial Education	IM31 Electronics I AND IM32 Electronics II	ELC-112 DC/AC Electricity AND (ELC-126 Electrical Computations OR EGR-131 Intro to Electronics Tech)	
Trade and Industrial Education	IM34 Electronics IV	ELN-131 Analog Electronics I	
Trade and Industrial Education	IC00 Core and Sustainable Construction AND IC11 Masonry I AND IC12 Masonry II	MAS-110 Masonry I	
Trade and Industrial Education	IC13 Masonry III	MAS-110 Masonry I	
Trade and Industrial Education	IC?? (7714) Masonry IV	MAS-110 Masonry I	
Trade and Industrial Education	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	
Trade and Industrial Education	II11 Network Engineering Technology I	NET-125 Networking Basics OR NET-110 Networking Concepts	
Trade and Industrial Education	II12 Network Engineering Technology II	NET-125 Networking Basics OR NET-126 Routing Basics	
Trade and Industrial Education	IM61 Welding Technology I	WLD-110 Cutting Processes	
Trade and Industrial Education	IM62 (7662) Welding Technology II	WLD-121 GMAW (MIG) FCAW/Plate	
Trade and Industrial Education	IM61 Welding Technology I AND IM62 Welding Technology II	WLD-110 Cutting Processes AND WLD-115 SMAW (Stick) Plate	
Trade and Industrial Education	IM63 (7663) Welding Technology III	WLD-122 GMAW (MIG) Plate/Pipe	Must receive credit for WLD-121 before receiving credit for WLD-122