

North Carolina High School to Community College

Articulation Agreement

Original Agreement - Revised January 2005

Between the

North Carolina Department of Public Instruction (NCDPI)

and the

North Carolina Community College System (NCCCS)

North Carolina High School to Community College Articulation Agreement

DEFINITION

Articulation is a systematic, seamless student transition process from secondary to postsecondary education that maximizes use of resources and minimizes content duplication.

GOAL

Students will make a seamless transition of identified courses from secondary to postsecondary education.

GUIDING PRINCIPLES

- A. The statewide articulation agreement will build on existing College Tech Prep courses of study.
- B. In selection of courses for articulation, first priority will be the North Carolina Department of Public Instruction standard courses of study.
- C. Local articulation efforts and local flexibility in responding to new and emerging areas are encouraged. This agreement shall not supersede local articulation agreements based upon national skill standards, external program certification, or accreditation requirements.
- D. The curriculum alignment committees will consist of five experienced community college teachers, five experienced high school teachers, one community college program curriculum specialist, and one public school curriculum specialist. The number of participants may be modified under special considerations. Criteria to award college credit for identified high school courses must be simple and uniform for all career technical areas.
- E. The state offices of NCDPI and NCCCS will monitor the number of articulated students, their progression rate, and their progress toward graduation, employment and/or transfer to postsecondary institutions.
- F. For credit to be awarded in any individual course, all criteria of the Commission on College, Southern Association of College and Schools (SACS) must be met.
- G. Guidelines will be monitored on an as needed basis.

COMPONENTS

A. Identification and alignment of courses to be articulated in the future

The curriculum alignment committees will use the following procedures to identify courses for articulation:

- 1. Review high school and community college course descriptions.
- 2. Review high school course blueprints and community college course outlines to compare competencies.
- 3. Review existing local articulation agreements.
- 4. Determine if articulation is course to course, courses to course, courses to courses, or course to courses, and if competencies are similar.

5. Follow policies and regulations of licensing/accrediting bodies.

B. Criteria to award college credit

The following criteria will be used to award college credit for identified high school courses:

- a. Grade of B or higher in the course, and;
- b. A raw score of 80 or higher on the standardized VoCATS post-assessment.

To receive articulated credit, students must enroll at the community college within two years of their high school graduation date.

C. Process to document credit

The official high school transcript and all official standardized VoCATS post-assessment scores will be required to verify that the criteria to award credit for articulated course work has been met. Where indicated, students will submit supporting documentation to the community college.

Community college officials will have the responsibility for verifying eligibility and acceptance of the articulated course or courses on the high school transcript for college credit.

A technical committee will be appointed to determine how articulated courses and corresponding VoCATS scores will be reflected on the high school electronic transcript in order to make the high school-to-community college transition more efficient. This committee will be comprised of NCDPI and NCCCS information system personnel and representatives from local schools and colleges.

D. Process of evaluation

The following elements will be considered in the evaluation:

1. Evaluate the criteria for awarding credit (grade of B or higher in the course and a raw score of 80 or higher on the standardized VoCATS post-assessment) to ensure student success in the subsequent course(s) at the community college.
2. Evaluate the process to document credit from high school to the community college.
3. Review the Recommended Course List for course additions and deletions to insure the Recommended Course List reflects current curricula.
4. Measure use of the NC High School-to-Postsecondary Articulation Agreement to include the number of students receiving articulation credit, number of articulated credits earned, cost savings to students, and graduation rates of College Tech Prep students.
5. A technical committee will be appointed to determine how the above data elements may be collected annually utilizing the NCDPI and NCCCS information management systems. This committee will be comprised of NCDPI and NCCCS staff and information systems personnel.

Matrix of Evaluation Elements

Evaluation Element	Responsible Party	Method for Evaluation	Time Element
Evaluate the criteria for awarding credit to ensure student success in the subsequent course(s) at the community college	NCDPI & NCCCS Staff	Computer assessment and survey to review success rate of students in classes subsequent to articulated classes.	Annually
Evaluate the process to document credit from high school to the community college	NCDPI and NCCCS Staff	Survey of college registrars, counselors, admissions officers, high school counselors, and SIMS operators	Every 3 years
Review of the Recommended Course List for course additions and deletions to insure the Recommended Course List reflects current curricula	NCDPI and NCCCS Staff	Administrative Review Curriculum Alignment Committee Meetings (as needed/requested)	Annually As requested
Measure use of the <i>NC High School to Postsecondary Articulation Agreement</i> to include the number of students earning articulation credit, number of students awarded articulation credit, cost savings to students, and graduation rates of College Tech Prep students	Community College Information Systems Personnel Associate Director for Tech Prep NCCCS	Computer Assessment Survey	Annually

CMS-CPCC Articulation Summary

Statewide Articulation Agreement

- Number of high school opportunities articulated statewide 59
- Number of high school opportunities available in CMS* 37*
- Number of college opportunities available at CPCC** 44**
- Number of opportunities CPCC unable to articulate: 8
 - Bi-lateral agreements prevent articulation for EDU 119, BUS230 and MKT 120 in 2 areas = 4 opportunities
 - SACS / Credentialing issues prevent articulation for MED 110/112/ and MED 121/122 = 2 opportunities
 - AutoCAD requirement prevent articulation for ARC114 = 1 opportunity
 - AutoCAD requirement and not able to articulate for 2-sequence course = 1 opportunity
- Number of high school opportunities articulated for CMS students 23
 - (with or without modifications)
 - Number of opportunities for students to articulate without CPCC modifications 17
 - Number of opportunities for students to articulate with CPCC modifications 6

Note: *Not all courses offered through DPI are available at CMS

(ex. Agriculture, Animal Sci, Collision Repair, Electrical Trades, Environmental, Furniture & Cabinet Making, Metals Mfg, Welding)

**Not all courses offered through NCCCS are available at CPCC.

(ex. Agriculture, Animal Sci, Cosmetology, Environmental, Furniture & Cabinet Making)

Local Articulations

- Number of opportunities for students to articulate 3

NC Articulation Agreement
CPCC supports the state agreement for the following CMS courses:

Criteria to Award College Credit: Students must make a grade of “B” or higher in the course and a raw score of “80” or higher on the standardized VoCATS post-assessment.

Career and Technical Education Pathway	Area of Concentration	High School		Community College	
		Course Number	Course Name	Course Number	Course Name
Agriculture and Natural Resources	Horticulture	6841 and 6842	Horticulture I and Horticulture II Honors*	HOR 150	Introduction to Horticulture
Biological and Chemical Technologies	Culinary Technology	7046	Foods II- Advanced*	CUL 110	Sanitation & Safety
Business Technologies	Business Management/ Business Administration	6200	Principles of Business and Personal Finance	BUS 125	Personal Finance
	Information Technology	7981 (Cisco)	Network Engineering I - Cisco Honors*	NET 125 and NET 126	Routing & Switching I and Routing & Switching II
		7982 (Cisco)	Network Engineering III - Cisco Honors	NET 225 and NET 226	Advanced Router & Switching I and Advanced Router & Switching II
		6340 or 6411	Foundations of Information Technology or Computer Applications I	CIS 111	Basic PC Literacy
		6415	e-Commerce I Honors	WEB 110	Internet/Web Fundamentals
		6341	Networking I	NET 110	Data Communications/Networking
		6416	e-Commerce II Honors*	WEB 210	Web Design

Business Technologies Continued	Office and Information Systems	6411	Computer Applications I	CIS 111	Basic PC Literacy
		6412	Computer Applications II*	CTS 125	Presentation Graphics
		6311	Computerized Accounting I	ACC 115	College Accounting
Construction Technologies	Trade and Industrial Education	7721 and 7722	Construction Technology I and Construction Technology II*	CAR 110	Introduction to Carpentry
Engineering Technologies	Electronics	7631 and 7632	Electronics I and Electronics II Honors*	ELC 112 and ELC 126	DC/AC Electricity** and Electrical Computations**
Public Service Technologies	Culinary Technology	7121 and 7122	Culinary Arts and Hospitality I and Culinary Arts and Hospitality II*	CUL 110	Sanitation & Safety
Transportation Technologies	Automotive Service Technology	7511 and 7512	Automotive Service Technology I and Automotive Service Technology II*	AUT 110 and AUT 111 and AUT 161+	Intro to Auto Technology and Basic Auto Technology and Electrical Systems
<p><i>CPCC Manufacture Based Programs (BMW-TTEN-ASEP) NO articulation credit awarded</i> <i>AUT 110 Credit given through Task list signed by High School instructor</i> <i>NATEF Brakes Task List signed by High School Instructor for AUT 151Credit and complete AUT 151A at CPC</i> <i>NATEF Electrical Task List signed by High School Instructor for AUT 161Credit</i></p>					
<p><i>**These courses are not in the CPC Computer, Electrical, Electronics Engineering Technology Programs. These courses are in the Applied Technologies curriculum at CPC.</i></p>					

*Four credits must be completed in a cluster, one of which must be a starred course.

NC Articulation Agreement

CPCC Modifications for the following CMS courses

Criteria to Award College Credit: Students must make a grade of “B” or higher in the course and a raw score of “80” or higher on the standardized VoCATS post-assessment.

In addition, students must satisfy the CPCC modifications stated.

Career and Technical Education Pathway	Area of Concentration	High School		Community College	
		Course Number	Course Name	Course Number	Course Name
Business Technologies	Information Technology	6412	Computer Applications II*	OST 233	Desktop Publishing I
	Office and Information Systems	6411	Computer Applications I	OST 136	Word Processing
		6412	Computer Applications II*	OST 137	Office Software Applications
<p>CPCC: Office Systems Technology Program: Due to differences in software packages, possibly course objectives, CPCC will test using theory and application for consideration of articulated credit for OST 233.</p> <p>Due to differences in software packages, possibly course objectives, and because this is a sequential course, CPCC will test using theory and application for consideration of articulated credit for OST 136 and OST 137.</p>					
Biological and Chemical Technologies	Culinary Technology	7045 and 7046	Foods I- Fundamentals and Foods II- Advanced*	CUL 112	Nutrition for Food Service
<p>CPCC: The Hospitality Education Division will recognize the articulation agreement for CUL 112 pending successful completion of written entrance examination</p>					

Commercial and Artistic Production Technologies	Graphics Arts	7911	Printing Graphics I	GRA 110	Graphic Arts Orientation
		7911 and 7912	Printing Graphics I and Printing Graphics II*	GRA 110 and GRA 121 and GRA 151	Graphic Arts Orientation Graphic Arts I Computer Graphics I

CPCC: The Graphic Arts Program will recognize the articulation agreement for GRA110, GRA121, and GRA151 pending an entrance exam that will include written and practical work. The entrance exam will prove competency in all areas of these classes.

Transportation Technologies	Automotive Service Technology	7512 and 7513	Automotive Service Technology II* and Automotive Service Technology III	AUT-110	Intro to Auto Tech
				AUT-151	Basic Brakes Systems
				AUT-161	Basic Electrical Systems

*CPCC Manufacture Based Programs (BMW-TTEN-ASEP) NO articulation credit awarded
 AUT 110 Credit given through Task list signed by High School instructor
 NATEF Brakes Task List signed by High School Instructor for AUT 151Credit and complete AUT 151A at CPCC
 NATEF Electrical Task List signed by High School Instructor for AUT 161Credit*

CPCC: The Transport System Technologies Division requires that the student complete at the community college the brakes lab for AUT 151A in order to receive articulated credit for AUT 151. (AUT 151A is a co-requisite for AUT 151.) Prior to registration, the student is required to make an appointment with the Department Chair for permission to enter AUT 151A.

CPCC Manufacture Based Programs (BMW-TTEN-ASEP) NO articulation credit awarded

NC Articulation Agreement
CPCC unable to articulate the following CMS courses:

Career and Technical Education Pathway	Area of Concentration	High School		Community College	
		Course Number	Course Name	Course Number	Course Name
Business Technologies	Business Management/Business Administration	6235	Small Business/Entrepreneurship*	BUS 230	Small Business Management
	Marketing	6621 and 6622	Marketing and Marketing Management*	MKT 120	Principles of Marketing
		6626	Strategic Marketing Honors*	MKT 120	Principles of Marketing
Public Service Technologies	Early Childhood Education	7111 7112	Early Childhood Education I Early Childhood Education II*	EDU 119	Introduction to Early Childhood Education (ECE 119) This course is also available through the Virtual Learning Community (VLC).
CPCC: Bi-lateral agreements CPCC has with other colleges/universities prevent articulation at CPCC					
Health Sciences	Health Care / Health Sciences	7221 or 7211	Medical Sciences I or Allied Health Sciences I	MED 110 and MED 112	Orientation to Medical Assistant and Orientation to Clinic Setting I
		7222 or 7212	Medical Sciences II Honors * or Allied Health Sciences II*	MED 121 and MED 122	Medical Terminology I and Medical Terminology II
		State Criteria: Student may take Medical Sciences I & II or Allied Health Sciences I & II or a combination of I & II to receive credit for Med 110, Med 112, Med 121 and Med 122.			
CPCC: Credentialing issues prevent articulation					
Construction	Drafting	7921 and 7962	Drafting I and Drafting II- Architectural Honors*	ARC 114	Architectural CAD
		7921 and 7962 and 7963	Drafting I and Drafting II-Architectural Honors* and Drafting III-Architectural Honors	ARC 114	Architectural CAD
State Criteria: Upon acceptance to college, the student will submit a portfolio to the department head for review and consideration for articulated credit. CPCC: CPCC cannot articulate with two-sequence high school courses for ARC 114 (7921 and 7962 are not sufficient for articulation). High school students must be trained specifically on AutoCAD in order for CPCC to consider articulation for ARC 114.					

CMS-CPCC Local Articulations

Criteria to Award College Credit: Students must make a grade of “B” or higher in the course and a raw score of “80” or higher on the standardized VoCATS post-assessment.

Career and Technical Education Pathway	Area of Concentration	High School		Community College	
		Course Number	Course Name	Course Number	Course Name
Construction Technologies	Drafting	7921	Drafting 1	EGR 120 **	Engineering and Design Graphics
Engineering Technologies	Computer Engineering	7991 and 7992	Computer Engineering Technology I and Computer Engineering Technology II Honors*	CET 111	Computer Upgrade Repair I
Public Service Technologies	Culinary Arts/ Hotel & Restaurant	7121 and 7122	Culinary Arts & Hospitality I and Culinary Arts & Hospitality II*	HRM 110	Introduction to Hospitality
**CPCC also requires a portfolio of drawings done in AutoCAD® to be submitted to the Mechanical Engineering Technology Program Chair for approval before articulated credit can be awarded for EGR120.					