

COMMUNITY COLLEGES OF SPOKANE ARTICULATION AGREEMENT

Agriculture, General – Welding Spokane Community College and Welding Technology Spokane Skills Center

WHO IS ELIGIBLE?

Any student who has attended an articulated high school program where there is a signed agreement with Community Colleges of Spokane may receive college credit for instruction received at the high school.

PROCEDURES

CCS and High School Faculty

CCS faculty and high school faculty will partner to identify competencies and/or critical objectives a student will need to successfully transition into the professional/technical program(s) being articulated.

Instructional faculty within the two educational systems will determine whether similarities in educational experiences provided to students in the two systems result in duplication of required competencies as described above. Where duplication of competencies is evident, an attempt will be made to enter into an articulation agreement.

High School Instructor's Documentation of Competencies

Participating faculty at the high school will certify in writing the areas and levels of competency achievement by the student. This will become part of the student's permanent record and will be forwarded to the college upon request by the student and/or the college.

Student Documentation of Competencies

Students must secure the written certification of their teachers that they have accomplished competencies and/or critical objectives that comprise the agreed-upon articulation minimum course content for every CCS course for which they desire college credit. College credit will be granted only for those CCS courses listed in the appropriate Articulation Agreement.

Student Application for College Credit

The procedures described in the CCS manual, **College Credit by Non-Traditional Means, Revised 2003**, shall be used by the student desiring college credit for high school courses.

Please Note: The intent of Articulation is to give recognition to professional/technical work completed in a high school program. Students are expected to enroll in the same professional/ technical program at the college. Most credits received are **not transferable** to a 4-year institution.

Steps for Receiving Credit by Articulation at Community Colleges of Spokane following Enrollment at SCC or SFCC:

- Step 1. **Notify your high school instructor** that you wish to receive college credit for your work in a professional/vocational program that has an ARTICULATION AGREEMENT with Community Colleges of Spokane.
- Step 2. Work with your high school instructor **to meet the requirements** of the Articulation Agreement for your school. Your instructor will have a list of requirements or view the CCS website: <http://www.ccs.spokane.edu/Students/Articulation/>

- Step 3.* **Obtain a community college application** for admission from your high school counselor, college Admissions Office or web page at: <http://www.scc.spokane.edu> or <http://www.spokanefalls.edu>.
- Step 4.* **Complete the application** and remit with a \$15 non-refundable fee to Spokane Community College (SCC) or Spokane Falls Community College (SFCC) within 12 months of high school graduation. Applications are taken on a first come, first serve basis. Apply on or before December 1 of your senior year for the best chance to be accepted into the program of your choice.
- Step 5.* You will receive a letter from the Admissions Office regarding admission status. **Follow instructions in the letter in regards to testing, advising and registration.**
- Step 6.* **Complete 10 credits** with a grade of 2.0 in each class. Sometime during this quarter, notify the college program director of the vocational program that you will be using the Articulation Agreement.
- Step 7.* Make an appointment with a college instructor in the program you have chosen. This teacher will assist you with the **Application for Nontraditional Credit form #4020**.
- Step 8.* Take the completed Application for Nontraditional Credit form to the **Transcript Office**. Credit will then be posted to your official college transcript. There is a charge of \$5 per credit, plus a \$10 processing fee. (Example: 5 credits, cost \$35.)

Steps For Receiving Credit By Direct Transcription While Still In High School

- Step 1.* **Enroll** in the articulated high school class(es) offering college credit at your high school.
- Step 2.* **Register online** at www.pc3connect.org/wa/newtec for the class(es) in which you enrolled.
- Step 3.* **Inform your teacher** of your intent to earn college credits for the class.
- Step 4.* **Complete the competencies** outlined by your teacher – earning a “B” (3.0) grade or better.
- Step 5.* **Print** the online registration form. Maintain one copy for your own records.
- Step 6.* **Submit registration form and payment** (\$5.00 per credit plus \$15.00 processing fee) made out to the college indicated: Spokane Community College or Spokane Falls Community College then mail to:

Vee Sutherlin, MS 1009
Community Colleges of Spokane
501 N Riverpoint Blvd, P O Box 6000
Spokane WA 99217-6000

- Step 7.* A transcript will be generated upon receipt of payment and verification of grade by teacher.

Review specific Articulation Agreement: <http://www.ccs.spokane.edu/Students/Articualtion/>

CCS and High School Counselors/Advisors

CCS and high school counselors will cooperate toward developing, disseminating, and presenting professional/technical career information to students within the public school system. Such information will include, as a minimum, an orientation on career programs at the high school and community college levels and the articulation agreements that have been established among the systems of education.

Publicity

The colleges and high schools will develop methods of publicizing the agreements to encourage students to take advantage of seamless transitions and advanced placement opportunities.

SCC Articulation	Welding Assignments 2005/2006	Reference	Position	Filler Metal	Weld Size	Material Type
	Shop Equipment					
1	Demonstrate Proper Use of PPE	ANSI Z49.1				
1	Safe Use of Grinder					
	Safe Use of Drill Press					
	Safe Use of Bandsaw					
	Safe Use of Skillsaw					
	Safe Use of Reciprocating Saw (Sawzall)					
1	Safe Use of Chopsaw					
	Orientation					
	Sign in Sheet/Cleanup Requirements					
	Welding Skills Textbook Chapter 1					
	Safety Videos/Safety Handouts/Shop Tour	ANSI Z49.1				
1	General Shop Safety Test/Open Book	ANSI Z49.1				
1	MSDS Test/Open Book	ANSI Z49.1				
1	PPE/Setup Welding Hood	ANSI Z49.1				
1	Welding Evaluation Form/Grading Policy					
1	Assignment Sheet/Notebook					
	OFC Theory	Victor Manual				
1	Video					
1	Safety Test	ANSI Z49.1				
1	Equipment Worksheet					
1	Process Worksheet					
1	Visual Inspection Requirements	Sample C4.1-77				
1	Terms and Definitions Worksheet					
	Manual OFC	Welding Skills				
1	Straight Cut/Welding Skills Textbook p316 Exercise 1	Chapter 30				Steel
	Bevel Cut/Welding Skills Textbook p317 figure 30-6	Chapter 30				Steel
	Circle Cut/Welding Skills Textbook p318 figure 30-8	Chapter 30				Steel
	Cope Angle Iron 90 Degree Fitup	From Print				
	Machine OFC					
	Bevel Cut/Straight Cut	Chapter 30				Steel
	4x6 Plate (1 piece)	From Print				Steel
	2x6 Plate (2 pieces)	From Print				Steel
	SMAW Theory	Welding Skills				
1	Video					
1	Safety Test	ANSI Z49.1				
1	Equipment Worksheet	Chapter 12				
1	Process Worksheet	Chapter 13/14/15				
1	Visual Inspection Requirements	AWS QC-10 Table 1				
1	Terms and Definitions Worksheet	AWS A3.0-94				
1	Weld Procedure Specification/Printreading p287	Printreading Book				
	Entry SMAW	Welding Skills				

1	Striking Arc/Welding Skills Textbook p122 Exercise 1	Chapter 14	Flat	7018		Steel
1	Stringer Bead/Cladding	Chapter 15	Flat	7018		Steel
1	Weave Bead/Welding Skills p130 Figure 15-10	Chapter 15	Flat	7018		Steel
1	Double Sided T Joint/Welding Skills p144/145	From Print	Flat	7018		Steel
1	Double Sided T Joint/Welding Skills p144/145	From Print	Hori z	7018		Steel
1	Double Sided T Joint/Welding Skills p144/145	From Print	Vert	7018		Steel

	Basic SMAW	Welding Skills				
1	T	Chapter 17	Hori z	7018	1/4	Steel
1	T	Chapter 17	Hori z	7018	3/8	Steel
1	T	Chapter 17	Hori z	6010	1/4	Steel
1	T	Chapter 17	Hori z	6010	3/8	Steel
4	T	Chapter 18	Vert	7018	1/4	Steel
4	T	Chapter 18	Vert	7018	3/8	Steel
4	T	Chapter 18	Vert	6010	1/4	Steel
4	T	Chapter 18	Vert	6010	3/8	Steel
4	T	Chapter 19	Ovrh d	7018	1/4	Steel
4	T	Chapter 19	Ovrh d	7018	3/8	Steel
4	T	Chapter 19	Ovrh d	6010	1/4	Steel
4	T	Chapter 19	Ovrh d	6010	3/8	Steel
	Advanced SMAW	Welding Skills				
4	Metallurgy/Printreading p285 #1-15	Printreading Book				
	Welder Qualification/Welding Skills Textbook p414 #1-8	Chapter 36				
	V-Groove	AWS B2.1.001-90	2G	7018	3/8	Steel
4	V-Groove	AWS B2.1.001-90	3G	7018	3/8	Steel
4	V-Groove	AWS B2.1.001-90	4G	7018	3/8	Steel
	Miscellaneous SMAW					
	Lap		H	7018	1/4	Steel
	Lap		H	7018	3/8	Steel
	Lap		H	6010	1/4	Steel
	Lap		H	6010	3/8	Steel
4	Corner		H	6010		Steel
4	Corner		V	6010		Steel
4	Corner		OH	6010		Steel
	T		H	6010	1/2	Steel
	T		H	7018	1/2	Steel
	CAC-A Theory	Welding Skills				
	Video					
4	Safety Test	ANSI Z49.1				
	Equipment Worksheet					
	Process Worksheet					
	Visual Inspection Requirements					

	Terms and Definitions Worksheet	AWS A3.0-94				
	CAC-A					
4	Carbon Arc Cut a T Joint					
	Carbon Arc Cut a Lap Joint					
	Backgouge a V-Groove					
	Remove a Backing Strip					
	PAC Theory					
	Video					
4	Safety Test	ANSI Z49.1				
	Equipment Worksheet					
	Process Worksheet					
4	Visual Inspection Requirements					
4	Terms and Definitions Worksheet	AWS A3.0-94				
	PAC					
4	Straight Cut					
4	Bevel Cut					
4	Circle Cut					

	GMAW Theory (Must Have Completed Basic SMAW)	Welding Skills				
	Video					
	Safety Test	ANSI Z49.1				
	Equipment Worksheet	Chapter 25				
	Process Worksheet	Chapter 25				
	Visual Inspection Requirements	AWS QC-10 Table 1				
	Terms and Definitions Worksheet	AWS A3.0-94				
	GMAW Short Circuiting	AWS-1-GMAW-S				
4	Flat Plate		Flat	70S-6		
4	T		Hori z	70S-6	1/4	Steel
4	T		Vert	70S-6	1/4	Steel
4	T		Ovrh d	70S-6	1/4	Steel
	V-Groove		Flat	70S-6	3/8	Steel
	GMAW Spray	AWS-2-GMAW-S				
4	Flat Plate		Flat	70S-6		Steel
4	T		Flat	70S-6	1/4	Steel
4	T		Hori z	70S-6	1/4	Steel
	V-Groove		Flat	70S-6	3/8	Steel
	GMAW Aluminum					
	GMAW Aluminum Worksheet	See Instructor				
	Flat Plate		Flat	4043		
	T		Hori z	4043	1/4	
	T		Vert	4043	1/4	
	T		Ovrh d	4043	1/4	
	V-Groove		Flat	4043	3/8	
	V-Groove		Hori z	4043	3/8	
	V-Groove		Vert	4043	3/8	
	V-Groove		Ovrh	4043	3/8	

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	FCAW (Dual Shield)	AWS B2.1-1-020-94				
	Flat Plate		Flat	71T-1		Steel
	T		Horiz	71T-1	3/8	Steel
	T		Vert	71T-1	3/8	Steel
	T		Ovrd	71T-1	3/8	Steel
	V-Groove		Flat	71T-1	3/8	Steel
	V-Groove		Horiz	71T-1	3/8	Steel
	V-Groove		Vert	71T-1	3/8	Steel
	V-Groove		Ovrd	71T-1	3/8	Steel
	FCAW (Inner Shield)	AWS B2.1-1-027:1998				
	Flat Plate		Flat	E71T-11		Steel
	T		Horiz	E71T-11	3/8	Steel
	T		Vert	E71T-11	3/8	Steel
	T		Ovrd	E71T-11	3/8	Steel
	V-Groove		Flat	E71T-11	3/8	Steel
	V-Groove		Horiz	E71T-11	3/8	Steel
	V-Groove		Vert	E71T-11	3/8	Steel
	V-Groove		Ovrd	E71T-11	3/8	Steel

	GTAW Theory	Welding Skills				
	Video					
	Safety Test	ANSI Z49.1				
	Equipment Worksheet	Chapter 24				
	Process Worksheet	Chapter 24				
	Visual Inspection Requirements	AWS QC-10 Table 1				
	Terms and Definitions Worksheet	AWS A3.0-94				
	GTAW Aluminum					
	GTAW Aluminum Worksheet	See Instructor				
	Flat Plate		Flat	4043		
	T		Horiz	4043		
	T		Vert	4043		
	T		OH	4043		
	V-Groove		3G	4043		
	V-Groove		4G	4043		
	GTAW Steel					
	Flat Plate		Flat	70S-6		
	T		Horiz	70S-6		
	T		Vert	70S-6		
	T		Ovrd	70S-6		

V-Groove		Flat	70S-6		
V-Groove		Hori z	70S-6		
V-Groove		Vert	70S-6		
V-Groove		Ovrh d	70S-6		
GTAW CRES					
Flat Plate		Flat	308		
T		Hori z	308		
Square Groove		Flat	308		
Basic Printreading Assignments	Printreading				
Printreading p18 #1-10					
Printreading p35 #1-5					
Printreading p36 #1-10					
Printreading p38 #1-10					
Printreading p39 #1-15					
Alphabet of Lines/Printreading p66					
Orthographic Projection/Printreading p67					
Printreading p62 #1-8					
p69 #1-10					
p70 #1-10					
p72 #1-15					
p122 #1-10					
p126 #1-10					
p129 #1-20					
p144 #1-15					

Advanced Printreading Assignments	Printreading				
p181 Matching Fillet Weld Symbols					
p182 Matching Fillet Welds					
p185 #1-45					
p196 Matching Groove Weld Symbols					
p196 Matching Groove Weld Parts					
p221 #1-20					
p230 Matching Surfacing Weld Symbols					
p231 #1-35 Shaft Details Print					
p236 #1-35 Log Splitter Print					
p291 #1-45 Trade Test Upright Print					
Fabricate from Print					
Fabricate from Print					
Fabricate from Print					
Fabricate from Print					
Career/Leadership	PDP Manual				
PDP Level 1.2 Goal Plan					
PDP Level 1.4 Occupational Plan					
PDP Level 3.1 Establish Career Goals					
PDP Level 2.14 Assemble an Employment Portfolio	Notebook				
PDP Level 3.8 Resume'					
PDP Level 2.12 Complete a Job Application					
PDP Level 3.9 Demonstrate Interview Skills					
PDP Level 1.9 Job Shadow					
PDP Level 3.2 Personal Financial Skills					
PDP Level 3.4 Market Your Instructional Program					

	PDP Level 3.6 Plan and Develop a Business					
	PDP Level 1.5 Equity					
	PDP Level 3.14 Exercise Your Right to Know					
	TESTING AWS Workmanship Samples	AWS EG2.0-95				
	GMAW Short Circuit					
	GMAW Spray					
	FCAW (Dual Shield)					
	FCAW (Inner Shield)					
	GTAW Steel					
	GTAW CRES					
	GTAW Aluminum					
	SMAW 2G					
	SMAW 3G					
	AWS Written Test					
	AWS Certification Completed					
	SCC 1 Credit Completed					
	SCC 4 Credits Completed					