



Articulation Agreement Course Provisions and Competencies

WLD 121 Welding Process II

1- 6 credits

Welding open root corner joints and beveled 3/8" plate using E-6010 electrodes and ASME performance certification plate tests.

PROVISIONS

1. Columbia Basin Job Corps instructors may award college Tech Prep credit provided they possess or attain a SMAW welding certification, WABO, AWS, or ASME, in at least one position.
2. Teachers approved by the college may test and award credit to students or arrange for testing with the BBCC welding instructor.
3. Student must complete WLD 111 and a minimum of 2 credits in WLD112, Part 1.
4. Student must receive an A or B grade (minimum 2.9 or better) and complete all required competencies.
5. Students may apply credits towards course requirements in the Big Bend Community College Welding Technology Program.
6. College credits earned under this articulation agreement are at no cost to the student.
7. Columbia Basin Job Corps and/or student is responsible for any fees for WABO, ASME. & AWS welding certification testing.
8. All required Tech Prep forms must be sent to BBCC **within 30 days** of high school course completion.
9. Teachers must assign student grades and credits **within 30 days** of high school course completion.

Course Goals: Student will be able to weld open root corner joints and open root plates using E-6010 electrodes. Each student should pass 3/8" open root plate A.S.M.E. qualification test.

Course Objective: Upon successful completion of the course, the student will be able to weld open root corner joints, open root plates and be ready to pass 3/8" plate certifications.

COMPETENCIES

Upon successful completion of the following competencies, students may earn Tech Prep credits.

Part 1: Open Root Corner & Visual Exam

- Using E-6010 1/8" and 5/32" electrodes
 - 3/8" x 1-1/4" x 8" plate
1. Horizontal position 1 credit
 2. Vertical position 1 credit
 3. Overhead position 1 credit

Part 2: Open Root Plate & Visual Exam

- Using E-6010 1/8" root
 - 5/32" multiple pass
 - 3/8" x 4" x 8" plate
4. Horizontal position 1 credit
 5. Vertical position 1 credit
 6. Overhead position 1 credit