

**Eastern WV Community & Technical College
Master Course Record**

Course Prefix and Number: WFWD 102
Course Title: Welding Intermediate Skills
Recommended Transcript Title: Welding Intermediate Skills
Date Approved/Revised: 09/21/15
Credit Hours: 4 Contact hours per week (Based on 15 week term): 6.5 Lecture: 2 hrs./week Lab: 4.5 hrs./week
Prerequisite: WFWD 101 or permission of the instructor Corequisite: Pre/Corequisite:
Grading Mode: Credit/No Credit
Catalog Description: Welding intermediate skills is designed to provide students with an understanding of welding symbols and the ability to read and interpret welding detail drawings. Students will be introduced to gas metal arc welding (GMAW), flux core arc welding (FCAW) and gas tungsten arc welding (GTAW). The students will receive lecture and many hours of hands on welding instruction. The materials presented are suitable for students who already have basic welding skills, as well as, experienced welders wishing to increase their proficiencies. This course is American Welding Society (AWS) certification eligible.
Course Outcomes: Students will: <ul style="list-style-type: none"> • Discuss safety procedures and personal protective equipment utilized in the welding industry • Demonstrate safe GMAW techniques • Demonstrate safe FCAW techniques • Demonstrate safe GTAW techniques • Understand welding symbols and drawings • Demonstrate an ability to both draw and read welding layout drawings • Discuss pre and post heating of metals and various welds
Implementation Cycle: Fall/Spring
Role in College Curriculum: (Check all that apply) <input type="checkbox"/> General Education Core (Specify category) <input type="checkbox"/> Technical Core (Specify Program) <input type="checkbox"/> Restricted Elective (Specify Program) <input type="checkbox"/> General Elective <input checked="" type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
Course Fee: None
Instructor's Qualifications: Should have industrial welding certifications and/or 5 years

Course Number & Title: WFWD 102 Welding Intermediate Skills

Date Prepared/Revised: 8/24/15

Date Course Approved by Curriculum Committee: 12-8-16

Date Course Approved by I/OE: 09/21/15; 12/12/16

of welding experience. A CWI (Certified Welding Inspector) certification is preferred.

Expanded Course Description (provides details regarding major course concepts, target audience, delivery format, etc.) Welding intermediate skills is designed to provide students with an understanding of welding symbols and the ability to read and interpret welding detail drawings. Students will be introduced to gas metal arc welding (GMAW), flux core arc welding (FCAW) and gas tungsten arc welding (GTAW). The students will receive lecture and many hours of hands on welding instruction. The materials presented are suitable for students who already have basic welding skills, as well as, experienced welders wishing to increase their proficiencies. Welding certifications can be obtained by gaining knowledge thru classroom activities, and by becoming proficient with actual welding techniques. This course is designed to help students obtain American Welding Society (AWS) approved welding certifications, and is aligned with NCCER 29201-15 (1863) course outcomes.

Prepared by:

Sherry Watts, Associate Dean of Workforce Education 11/25/15

Name, Title

Date

Approved Per LOT Minutes

Dean

Date