

**Course Title:** INT-206 AWS Welding Certification Preparation

**Course Instructor(s):** Jonas Smith

**Programs:** Industrial Technology and Welding Letter of Recognition

### **Expected Learning Outcomes**

On successful completion of this course, students should be able to:

- Pass a simulated AWS D1.1 test proctored by the Instructor or
- Pass the national AWS D1.1 test or equivalent

### **Assessment**

Assessments will include:

Instructor performing visual examinations of weld coupons, Simulated AWS D1.1 test or actual AWS D1.1 exam.

### **Validation**

1. Obtained by students showing the ability of the student to gain certification in the welding industrial.
2. Measure the student success rate on an annual basis.
3. Consult Advisory Committee participants as to performance hired students based on ability and knowledge gained.

### **Results**

The results of the testing and final examination will show the level of retention of the subject matter.

The results of the practice exercises and assignments will show the ability of the student to transfer textbook information to hands-on applications.

The results of the Advisory Committee input will allow us to place a rate of success in our database for ongoing improvement to the course and advise us of changes in technology and industry standards.

*This is the first offering of this course. Students practiced for the AWS Certification as directed by the HCC instructor thru out the semester. Students had a choice to pay for industry testing by a certified testing agent, or have their work evaluated by the instructor and consider*

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*testing at a later date, when the inspector is on campus testing the next class. Three students passed the rigorous test the first time out of five who took it.*

### **Follow-up**

The data will be evaluated to improve teaching techniques

The data will be evaluated to help us remain up to date with technology changes.

*This course has created a need to modify the INT 106 entry level course as well as the INT 116 fabrication course to target specific areas related to AWS testing. Course content will be adjusted accordingly in the Fall 2016 semester.*

### **Budget Justification**

Update textbook to include changes in technology

Update classroom equipment to keep pace with changes in technology

*No changes required at this time.*