

Course Title: INT-116 Welding Layout and Fabrication

Course Instructor(s): TBD

Programs: Industrial Technology and Welding Letter of Recognition

Expected Learning Outcomes

- The ability to write a proposal for a welding fabrication job
- Review plans
- Derive a bill of materials
- Perform a cost estimate
- List and cost of out materials
- Obtain materials from a supplier
- Build and test a quality project

Assessment

Assessments will include:

1 written exam, 1 written assignment, and hands-on final project

Validation

1. Comparison of final exam results with national average skills in the welding, industrial, and commercial field of work.
2. The evaluation of student performance and ability to transfer knowledge to next level of class in the program.
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 classroom materials.

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.

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.

Budget Justification

Update textbook to include changes in technology

Update classroom equipment to keep pace with changes in technology