

## 2021-2022 Welding Technology Success Indicators

### Academic Skills

Reading	Grade level reading ability suggested; same textbooks as used in college classes
Writing	Basic writing skills are required in the first year of the program, building up to more advanced writing requirements in the second year
Math	Algebra or higher needed; ability to use measurement tools and basic geometric formulas
Science	Chemistry and physics concepts are covered - background information is helpful
Memorization/Notetaking	Notes are given in the classroom; tests are given after each segment

### Physical Skills

Physical Requirements	Able to lift up to 50 pounds; requires standing in one position for prolonged periods of time
Clothing/Special Equipment	Full length jeans, no sweatpants or shorts, shirts that cover arms to wrist and welding lab coat (provided). Proper leather work boots required. Eye protection is provided and required to be worn at all times.
Fine Motor Skills/Coordination	Ability to work with small fasteners; ability to read fine print and graphics; requires work in confined/tight spaces
Spatial Awareness	N/A

### Other Requirements

Medical Requirements	Student will be in settings with continual exposure to heat, sparks, and torch lights
Related Interests	Interest in engineering, manufacturing, and industrial technology-related fields; likes to work in applied settings; enjoys creating things; problem-solving
Transportation	N/A
Certification/Licensure	AWS Sense Level I Certificate available if all written and skill assessments are passed, also weld qualification opportunities are available.
Homework	It is expected that students will need to study and complete work outside of regular class hours.
Classroom Instructional Methods/Time	Approximately 15% of the course is lecture, 35% guided practice, and 50% student application/practice

### Additional Information

A demonstrated pattern of regular attendance is critical to student success. This class is strongly oriented as a hands-on program and requires frequent attendance. Students are given the opportunity to perform skills in a real-world work environment.

Students who enroll in this course should not mind getting warm and dirty.

Articulated college credits are available at some institutions.

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