



TRADES:

Fabrication Studies 10, 20, 30

Fabrication Studies 10 (5 Credits) No Prerequisite

Do you like to work with your hands building things? Would you like to enter a career with high demand and the potential to earn above average wages? Then learn how to weld. Skilled welders work in a variety of industries from the oil patch to manufacturing, sales to servicing the equipment. Welding is also useful for the hobbyist restoring vehicles or the artist looking for a medium to work with. Whatever your motivation may be to learn to work with metals, this introductory program is designed to provide the fundamental skill sets needed to practice this craft safely and efficiently. These courses will encompass safety training for the appropriate equipment and require a high level of hands on participation to develop the skills necessary to be successful.

- Fabrication Tools and Materials*
- Oxyacetylene Welding*
- Semi-Automated/Automated Welding*
- Basic Electric Welding*
- Bar and Tubular Fabrication*

* Note: All modules marked with asterisk* are mandatory prerequisites to the senior level courses.

Fabrication Studies 20 (5 Credits) Prerequisite: Successful completion of Fabrication Studies 10

This intermediate course is a more comprehensive study of welding processes where students further develop their skills.

- Oxy-Fuel Welding*
- Thermal Cutting*
- Flux Cored Arc Welding 1*
- Arc Welding 1*
- Fabrication Principles

* Note: All courses marked with asterisk* are mandatory prerequisites to the next level of courses.

Fabrication Studies 20 (10 Credits)

Prerequisite: Successful completion of Fabrication Studies 10

This intermediate course is a more comprehensive study of welding processes where students further develop their skills and move towards building more projects.

- Arc Welding 2*
- Gas Metal Arc Welding 1*
- Custom Fabrication*
- Print Reading
- Fabrication Project B

* Note: All courses marked with asterisk* are mandatory prerequisites to the next level of courses.

Fabrication Studies 30 (5 Credits)

Prerequisite: Successful completion of Fabrication Studies 20

This senior course is a more comprehensive study of welding systems. This course will satisfy those who wish to pursue a career in the metals industry in any capacity. Senior course offerings include:

- Metallurgy Fundamentals
- Arc Welding 3*
- Pipe and Tubular Welding
- Prefabrication Principles
- Fabrication Project D

* Note: All courses marked with asterisk* are mandatory prerequisites to the next level of courses.

Fabrication Studies 30 (10 Credits)

Prerequisite: Successful completion of Fabrication Studies 20

This senior course is the same as the Fabrication Studies 30 (5 credits) with the addition of the following senior course offerings:

- Specialized Welding
- Flux Core Arc Welding 2
- Arc Welding 4
- Gas Metal Arc Welding 2
- Fabrication Project E