

VT 4640 – WELDING TECHNOLOGY I
VT 4650 – WELDING TECHNOLOGY II
Updated 3/2020

Welding is a program designed to prepare students to enter advanced training in the welding field. Instruction will include safety, oxyfuel set up, oxyfuel welding, and cutting in all positions, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), Plasma Arc Cutting (PAC), and setup, and operation of modern welding equipment.

Essential Learning Objectives

Students will demonstrate an understanding of the following:

- Shop and classroom safety
- Oxyfuel set up
- Oxyfuel welding and cutting
- Shielded Metal Arc Welding (SMAW)
- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Plasma Arc Cutting (PAC)
- Set-up and operation of modern welding equipment
- Technical Mathematics Skills
- Technical Communication Arts Skills

Welding Technology Competency Profile:

<https://dese.mo.gov/sites/default/files/Welding.pdf>