

WLD 101: Welding Processes & Applications

Covers welding processes, safety, equipment, and essential variables of operation.

Addendum to Course Description

This is an outcome based course utilizing a lecture format. This course includes, but is not limited to: classroom discussions, multimedia presentations, and lab demonstrations covering technical skills. Course outcomes will include: technical concepts, safety and fundamentals of operation.

Course Student Learning Outcomes

Upon completion of the course students will be able to:

- Function safely in the OCCC Welding Lab.
- Operate the oxy-fuel welding and cutting systems in accordance with industry standards.
- Understand and apply fundamentals of SMAW Operations.
- Understand and apply fundamentals of GTAW Operations.
- Understand and apply fundamentals of GMAW Operations.
- Understand and apply code requirements for FCAW.
- Operate the Plasma Arc Cutting (PAC) hand held system in accordance to industry standards.
- Operate the Carbon Arc Cutting - Air (CAC-A) system in accordance to industry standards.

Credits: 4

Prerequisites:

[MTH 20](#)

[RD 90](#)

Co-Requisites:

[RD 90](#)

Program: [Welding](#)