

WELDING TECHNOLOGY

Program Description

Welding Technology is a program that leads to a Diploma or Associate of Applied Science Degree for employment opportunities in the welding/machine shop field.

The program provides the skills and knowledge necessary for entry-level job production welding or job shop employment upon graduation.

Students may enter at different stages of readiness and progress according to his/her abilities and efforts. Students will be assessed and evaluated as they complete each measurable performance objective. Upon completion of a set of prescribed technical competencies, students will be able to perform skills necessary to be successfully employed at the entry level or above with a selected occupation.

WELD 1005 Safety is a prerequisite for all Welding Technology classes except night classes.

Program Objectives

- Demonstrate knowledge of welding hazards and related safety practices.
- Possess knowledge to perform tasks consistent with entry-level welding employment.
- Demonstrate an understanding of personal and work characteristics that contribute to effective welding job performance.
- Use effective communication skills appropriate to the welding setting.
- Apply the theory of welding technology to specific jobs using critical thinking/reasoning and the ability to work independently.
- Use mathematical data and reasoning skills in relation to welding.
- Be prepared to obtain certification for welding in accordance with code qualification.

Career Opportunities

Construction companies, machine shops, repair shops, utility companies, and manufacturers of automobiles, recreational vehicles, tools, machinery, toys, household appliances and other metal products offer potential employment opportunities. Other industries employing welders include agriculture, industrial machinery, mining, railroad, transportation and trucking.

Associate of Applied Science Degree

- Welding Technology, AAS (<https://catalog.mpcc.edu/course-catalog/programs/welding-technology/welding-technology-aas/>)

Diploma

- Welding Technology Diploma (<https://catalog.mpcc.edu/course-catalog/programs/welding-technology/welding-technology-diploma/>)