



Lower Columbia College

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lowercolumbia.edu/welding



**Prepare for a career
in the trades**

WELDING

LCC is an AA/EEO employer - lowercolumbia.edu/aa-eeo
LCC Clery Annual Security and Fire Safety Report available at lowercolumbia.edu/CleryASFR

OVERVIEW

A career in welding can take you all over the world and allow you to work in many different industries. As a welder, you can choose a career in aerospace, construction, oil and gas, or manufacturing. LCC's welding program gives you the foundation of all the major welding and cutting processes, and teaches you how to use common industry power tools and equipment. Preparing for the Washington Association of Building Officials (WABO) qualification test is part of the program. There are two options in this pathway, including a certificate and an associate degree.



CAREER PATHS

The welding path can lead to a long-term career with a good salary, job advancement opportunities, and the chance to work with cutting-edge technology.

- Welder, cutter, & welder fitter
- Soldering & brazing machine setter, operator & tender
- Sheet metal worker
- Structural metal fabricator & fitter
- Maintenance & repair worker
- Aircraft structure, surfaces, rigging & systems assembler
- Boilermaker
- Pipe fitters & steamfitter
- Structural iron & steel worker
- Mobile heavy equipment mechanic
- Construction
- Industrial machinery mechanic
- Machinist

SKILLS & ABILITIES

- Blueprint reading
- Microcomputer applications
- Foundational skills for the trades
- Industrial safety
- Oxy-acetylene
- Arc & wire machine welding
- Welding theory & fabrication
- Technology principles
- Industrial communications
- Industrial math
- Human relations
- First Aid/CPR

DEGREE OPTIONS

Students who attend full-time can earn a welding certificate in three quarters (one academic year) and an associate degree in welding in three additional quarters (two academic years total).

APPRENTICESHIP PATHWAYS

Use the skills you gain in this program to enter an apprenticeship pathway with machinists-boilermakers, operating engineers, machinists and aerospace workers, industrial maintenance millwright, steamfitters and pipefitters, ironworkers, sheet metal workers, or carpenters.

