WELDING TECHNOLOGY

- Basic Arc Welding - Certificate of Completion (https://lbcc-public.courseleaf.com/noncredit/programs-of-study/welding-technology/basic-arc-welding-certificate-completion/)
- Basic Gas Tungsten Arc Welding - Certificate of Completion (https://lbcc-public.courseleaf.com/noncredit/programs-of-study/welding-technology/basic-gas-tungsten-arc-welding-certificate-completion/)
- Basic Oxy-Acetylene Welding - Certificate of Completion (https://lbcc-public.courseleaf.com/noncredit/programs-of-study/welding-technology/basic-oxy-acetylene-welding-certificate-completion/)
- Basic Semi-Automatic Welding - Certificate of Completion (https://lbcc-public.courseleaf.com/noncredit/programs-of-study/welding-technology/basic-semi-automatic-welding-certificate-completion/)
- Exploring Welding and Metal Fabrication - Certificate of Completion (https://lbcc-public.courseleaf.com/noncredit/programs-of-study/welding-technology/exploring-welding-metal-fabrication-certificate-completion/)

WELD 600 0 units
Welding (General)
18 hours lecture, 54 hours laboratory
Grading: non graded.
This course is designed for entry level students seeking general welding skills and knowledge. This course covers Oxy-Fuel Welding (OFW), Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW).

WELD 601 0 units
Exploring Welding
9 hours lecture, 18 hours laboratory
Grading: non graded.
This course is an introduction to welding. This course will allow the student to explore the basic safety requirements and welding processes found in industry.

WELD 611 0 units
Welding (ARC)
54 hours laboratory
Prerequisite: WELD 50 or WELD 212 or WELD 400 or WELD 600.
Grading: non graded.
This course provides practice in arc welding procedures on various types of metal and the opportunity to learn safety practices.

WELD 661 0 units
Oxygen Acetylene Welding
54 hours laboratory
Prerequisite: WELD 50 or WELD 211 or WELD 400 or WELD 600.
Grading: non graded.
This course is a study of the techniques of oxy-acetylene gas welding of steels, hard facing, flame cutting brazing, and safety practices.

WELD 671 0 units
Semi-Automatic Welding (GMAW and FCAW)
54 hours laboratory
Prerequisite: WELD 50 or WELD 212 or WELD 400 or WELD 600.
Grading: non graded.
This course will address the techniques of Gas Metal Arc Welding (GMAW) and Flux Core Arc Welding (FCAW) of steels, aluminum, and stainless steel. It also covers correct equipment setup and safety practices.

WELD 681 0 units
Welding (Inert Gas)
54 hours laboratory
Prerequisite: WELD 50 or WELD 214 or WELD 400 or WELD 600.
Grading: non graded.
This course provides practice in the techniques of metallic and tungsten inert gas welding, welding of steels, aluminum, magnesium, cast iron and safety practices.