

WELDING PROGRAM

Simi Institute is proud to offer a fully comprehensive six-month Welding program. One low fee covers all instructional hours, lab consumable gases and metals, up to four certification exams, and a full set of gears, tools, and books aligned with the students' industry pathway of choice. All students will gain an understanding of the tools and techniques involved in welding as a trade and career. Students will complete training in safety around the tools and gases, basic technical print reading, welding symbols, and shop math. Students will also learn how to perform basic welding techniques using the Oxy-Acetylene and one of four industry pathways of their choice. **For more information, please call: 805.579.6200 ext. 1606 or visit SimiInstitute.org/welding**

INDUSTRY PATHWAYS (6 MONTHS) - \$2,800 PER PATHWAY

Welding for Aerospace / Automotive Trades and Careers

Students will learn the processes and develop the skills necessary to enter Aerospace and Automotive welding industries. This includes Gas Metal Arc Welding / Gas Tungsten Arc Welding on steel, chromoly, aluminum, stainless steel, inconel, and titanium. Students will also learn corresponding technical drawing and reading, math, and project planning.

Welding for Construction / Building Trades and Careers

Students will learn the processes and develop the skills necessary to enter Construction and Building trades associated with welding industries. This includes Shielded Metal Arc Welding / Gas Tungsten Arc Welding on steel, aluminum, and stainless steel. Students will also learn corresponding technical drawing and reading, math and project planning.

Welding for Fabrication / Manufacturing Trades and Careers

Students will learn the processes and develop the skills necessary to enter Fabrications and Manufacturing trades associated with welding industries. This includes Gas Metal Arc Welding / Gas Tungsten Arc Welding on steel, chromoly, aluminum, and stainless steel. Students will also learn corresponding technical drawing and reading, math and project planning.

Welding for Petrochemical / Pipefitting Trades and Careers

Students will learn the processes and develop the skills necessary to enter Fabrications and Manufacturing trades associated with welding industries. This includes Gas Metal Arc Welding / Gas Tungsten Arc Welding on steel, chromoly, aluminum, and stainless steel. Students will also learn corresponding technical drawing and reading, math and project planning.

WELDING CERTIFICATION EXAMS



Four welding certification exams are included in the tuition for each industry pathway. Please contact your instructor to determine the appropriate exams for your chosen pathway.

Additional exams are available to students for a nominal fee.

American Petroleum Institute

API 1104 6G SCH 40 Pipe Certification

American Society of Mechanical Engineers

ASME GTAW 316L Stainless Steel 6G Tubing

ASME GTAW/SMAW 6" SCH 80 6G Carbon Steel

ASME GTAW 6" SCH 80 6G Carbon Steel

ASME GTAW 2" 6G 4130 Chromolly

ASME SMAW E6010-E7018 6" SCH80 6G Carbon Steel

American Welding Society

AAWS D1.1 SMAW Structural Welding Code - Steel

AWS D1.1 FCAW Structural Welding Code - Steel

AWS D1.1 FCAW-G Structural Welding Code - Steel

AWS D1.1 GMAW Structural Welding Code - Steel

AWS D1.2 GMAW Structural Welding Code - Aluminum

AWS D1.2 GTAW Structural Welding Code - Aluminum

AWS D1.3 SMAW Structural Welding Code - Sheet Steel

AWS D1.3 FCAW Structural Welding Code - Sheet Steel

AWS D1.3 GMAW Structural Welding Code - Sheet Steel

AWS D1.5 SMAW Bridge Welding Code

AWS D1.5 FCAW Bridge Welding Code

AWS D1.8 SMAW Structural Welding Code - Seismic

AWS D1.8 FCAW Structural Welding Code - Seismic

AWS D17.1 GTAW Group IB Alloy Steels

AWS D17.1 GTAW Group IIA Stainless Steel

AWS D17.1 GTAW Group IIIB Nickel Base Alloys

AWS D17.1 GTAW Group IV Aluminum Alloys

AWS D17.1 GTAW Group VI Titanium

City of Los Angeles, Department of Building & Safety

D1.1 SMAW Structural Welding Code - Steel

D1.1 FCAW Structural Welding Code - Steel

D1.3 SMAW Structural Welding Code - Sheet Steel

D1.3 FCAW Structural Welding Code - Sheet Steel

Military Specifications

Mil Std.1595A GTAW Group IB Alloy Steels

Mil Std.1595A GTAW Group IIA Stainless Steel

Mil Std.1595A GTAW Group IIIB Nickel Base Alloys

Mil Std.1595A GTAW Group IV Aluminum

Mil Std.1595A GTAW Group VI Titanium

Mil Std.1595A GTAW Group IA Steel