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THE SUMMIT DIFFERENCE



# Welding-Basic

## DISCOVER... The Power of Creating

There's nothing like seeing something new being created. Whether it's a massive skyscraper or something small enough to fit into the palm of your hand, it's fascinating. The only thing more fulfilling than *seeing* it happen, is actually playing an active role in its creation. As a welder, that's what you'll do every day.

To get there, it takes a solid education. It takes an education that's as focused on the knowledge and hands-on skills you'll need, as it is on an appreciation for the safety guidelines within which you'll be expected to work. That, in a nutshell, sums up the Welding-Basic program at Summit College.

## DISCOVER... Extensive Hands-On Preparation

The need for skilled, competent, safety-conscious welding technicians is as great as it's ever been. Those working in the field find themselves working in a wide variety of settings. Summit's Welding-Basic program is designed for novice and more experienced welding students. In this program, among other areas, you'll learn...

- Shielded metal arc welding
- Blueprint reading
- Gas metal arc welding—basic
- Oxyacetylene welding and cutting
- Flux cored arc welding/symbols for welding
- Gas tungsten arc welding/blueprint reading

## DISCOVER... The Knowledge and Skills to Succeed

When you go out into the world as a welding technician, you may find yourself working in any number of different settings. But no matter how different those settings may be, you'll be expected to bring a level of skill and professionalism that is second to none in order to successfully get the job done. And with our Welding Technician program, that's the Summit difference. Some of the things you'll do as a welding technician include...

- Weld components in flat, vertical, or overhead positions.
- Operate safety equipment and use safe work habits.
- Lay out, position, align, and secure parts and assemblies prior to assembly, using straightedges, combination squares, calipers, and rulers.
- Examine workpieces for defects and measure workpieces with straightedges or templates to ensure conformance with specifications.
- Recognize, set up, and operate hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment.



# DISCOVER... A Powerful New Tomorrow

The purpose of Summit's Welding program is to prepare students for the many opportunities available in the field of welding. Our curriculum and training is modeled after the skill sets that employers want in their new hires. According to O\*Net, the projected growth welders, cutters, solderers, and brazers will be slower than average (2% to 4%) and the starting salary for those positions in California is approximately \$25,350.

As a graduate of this program, you'll be prepared to work in...

- Construction companies
- Factory production
- Automotive industries
- Ironworks applications
- Trucking and railroad industries
- Facility maintenance and repair

<https://www.onetonline.org/link/summary/51-4121.06>

# DISCOVER... The Summit Difference

Your career as a welding technician will put you in a position to be a key player and a major contributor to significant construction projects—both large and small—every day. And your Summit College experience will be marked by a truly caring community, skilled and accessible faculty, and a level of support that truly does make the difference.

- Personal attention from outstanding, accomplished faculty
- A wealth of academic support, free tutoring services, and a Learning Academy open six days a week offering a modern computer lab
- A rich abundance of career service support, including resume assistance, mock interviews and workshops
- Excellent, modern facilities and resources
- Schedule options that include day, evening, and weekend courses

## FOR GAINFUL EMPLOYMENT DISCLOSURES

Please refer to:

<https://summitcollege.edu/required-disclosures/>



Discover Summit Today!

CIMC, Rehab, WIA, EDD approved.  
 School is approved for VA Education Benefits.  
 Summit College is accredited by ACCET.  
 Visit [www.summitcollege.edu/disclosures](http://www.summitcollege.edu/disclosures) for complete disclosures.

## Required Courses:

\*Program availability and shift may vary by location.

Course Title/Number	Lecture Hours		Laboratory Hours		Hours Home Work	Total Hours		
	Clock/10	Credit	Clock/20	Credit		Clock	Credit	
<b>Pre-requisites</b>								
WB110	Gas Metal Arc Welding	20	2	100	5	14	120	7
WB120	Oxyacetylene, Plasma, Cutting & Carbon Arc	20	2	100	5	14	120	7
WB130	Shielded Metal Arc Welding	20	2	100	5	14	120	7
WB140	Flux Cored Arc Welding/Blue Print Reading	20	2	100	5	14	120	7
WB150	Gas Tungsten Arc Welding	20	2	100	5	14	120	7
WB160	SMAW Advanced	20	2	100	5	14	120	7
	<b>TOTAL</b>	<b>120</b>	<b>12</b>	<b>600</b>	<b>30</b>	<b>84</b>	<b>720</b>	<b>42</b>

Call us at (888) 504-2552 or visit us online at [SummitCollege.edu](http://SummitCollege.edu)