

General Program Description: The Associate in Applied Science (AAS) in Welding prepares students to work in the field using oxyacetylene (gas) and electric (arc) processes. The program emphasizes knowledge and skill required to work with modern industrial welding equipment using advanced welding techniques including mig (metal inert gas) and tig (tungsten inert gas). Classes are conducted in laboratories that are equipped with modern industrial welding equipment, and skills development opportunities are afforded in advanced welding techniques utilizing tig and mig machines. The optional **Certificates of Completion (CCL) in Manufacturing Welding and Welding Certification** provide a stepped path leading to the AAS degree and/or certificates/certifications.

State and National Certification: Our program meets certification standards and our faculty prepares students to take and pass their welding certification (ARC, TIG, MIG) according to state and national standards (AWS, API, ASME, and military specification, TIG). All X-rays and metalography will be administered by outside agencies.

Advancement options: Welders can advance to more skilled welding jobs with additional training and experience. For example, they may become welding technicians, supervisors, inspectors, or instructors. Some experienced welders open their own repair shops.

Projected Job Growth: Welders, Solderers, Cutters and Brazers have a projected **21% growth over 10 years** (between 2003 and 2013) for the Greater Phoenix region. There are an average projected **169 job openings each year**, comprised of 73 new jobs and 96 positions vacated by individuals leaving the field.

Location	Pay Period	Bureau of Labor Statistics - 2006 Salaries*		
		Entry-level	Median	Experienced
United States	Hourly	\$10.08	\$15.10	\$22.50
	Yearly	\$21,000	\$31,400	\$46,800
Greater Phoenix	Hourly	\$8.99	\$13.87	\$21.25
	Yearly	\$18,700	\$28,800	\$44,200
Arizona	Hourly	\$9.05	\$14.04	\$21.85
	Yearly	\$18,800	\$29,200	\$45,400

For more career information for Welders, Cutters, Solderers and Brazers, visit:
www.bls.gov/oco, www.maricopa.edu/workforce,
<http://www.acinet.org/>, or
www.mc.maricopa.edu/students/career/

For MCC program information, contact
 Rod Hammil, 480-461-7131,
 Welding Program Director, or visit
www.mc.maricopa.edu/dept2/welding/

*Labor market information provided by AZ Dept of Economic Security in cooperation with the U.S. Dept of Labor, Bureau of Labor Statistics. Wages will vary depending on the employer, location, hours worked, experience, responsibility and other factors. Career and Re-Entry Services will collaborate with academic and occupational program departments to develop internship and career experience opportunities.

Sample Job Titles: Welder, Cutter, Solderer, Brazer

Types of Employers: Architectural and structural metals manufacturers, agriculture, construction, and mining machinery manufacturers, commercial and industrial machinery manufacturers

Local Employers who posted related jobs on the Maricopa Career Network: Avnet, Schuff Steel Company, The Ashton Company, Mancon, Inc.

Professional Associations
American Welding Society
 E-mail: info@aws.org

For current job openings, go to Maricopa Career Network
<http://mcmaricopa.jobing.com/>

Associated Builders and Contractors
 E-mail: gotquestions@abc.org

Welder / Solderer Overview At-A-Glance

- Repair and join metal parts using heat and tools
- Often wear safety shoes, goggles, and hoods with protective lenses
- Usually work alone and indoors
- May work up to 70 hours per week
- Usually train through high school, union, or professional technical or community college programs
- May need to be certified

www.azcis.intocareers.org

For additional information on Welding careers or to watch occupational videos, visit:

Arizona Career Information Systems (AzCIS)
www.azcis.intocareers.org
 User name: mesacc; Password: 4azcis02

Career Voyages
www.careervoyages.gov

Internships are supervised practical training in a short-term or temporary position with an emphasis placed on instruction, training, mentoring, networking and gaining applied work experience. These positions may be paid or unpaid. Contact Career and Re-Entry Services for internship information: 480-461-7430.

Internship Completed: _____ Dates: _____ Location: _____

Service-Learning is a teaching and learning method that connects meaningful community service with academic learning through guided reflection. Contact the Center for Service- Learning for more information: 480-461-7393.

Service-Learning Completed: _____ Dates: _____ Location: _____

Transfer Options: Contact Transfer Services for more transfer information: 480-461-7452.

Career Assessments Completed:

Career Assessment / Results	Date Completed	Reviewed by

Career Readiness Workshops / Activities Completed:

Workshop Name / Activity	Date Completed	Follow Up Contact (s)
Resume Writing Workshop		
Resume completed and reviewed by:		
Participate in Mock Interview		
How To Prepare for a Career Fair		
Attend Career Fair / Job Expo Location:		
Joined Professional Association:		

MCC Career and Re-Entry Services
Providing Guidance for Career and Workplace Success

For more Career Profiles, visit

<http://www.mc.maricopa.edu/students/career/careerprofiles.html>

Meet with a Career Advisor in Bldg #36, Room SS5N - adjacent to the Kirk Student Center, 480-461-7430

