

Welding Technician



Possible Careers

- Production Welder
- Maintenance Welder
- Job Shop Layout Welder
- Welding Sales and Service
- Self-employment

Salary Information

Average wage was \$13.78 an hour for 2007 Wisconsin Technical College Welding Technician graduates. Average annual salary was \$31,562.

Technical Diploma – 28 credits

Welding is an important process in business, construction, and manufacturing sectors of our economy. The welding profession provides good job opportunities now and will continue in the future. Today, even plastic is welded and will soon be used to make and weld car frames. Nicolet's welding diploma program provides students with skills for a lifetime profession.

The Welding program is designed to give students the job-entry skills required in fabrication, construction, maintenance, apprenticeship, and other metal working industries.

Students will also learn robotic welding, computerized cutting, safe overhead crane operation, blueprint reading, layout and fabrication techniques, and math and communication skills.

Requirements for welder certification will be explained, and simulated certification tests will be offered. Upon successfully completing the program, students will have the skills needed to take a welding certification test or job-entry performance test.

Welding Technician

Welding Diploma Program Outcomes

- 1) Work in a safe and productive manner acceptable to OSHA and the Welding Industry.
- 2) Demonstrate skills in a safe set-up of various welding and cutting processes in a manner acceptable to American Welding Society (AWS) and Occupational Safety and Health Association (OSHA) standards. They include OAW, OAC, SMAW, GMAW, GTAW, PAC, and robotics.
- 3) Produce and evaluate quality welds/cuts using various welding/cutting processes in a safe manner acceptable to industry, OAW, OAC, SMAW, GMAW, GTAW, PAC, and robotics.
- 4) Demonstrate skills in fabrication techniques by building various projects.
- 5) Apply communication skills in various weld shop settings.
- 6) Demonstrate skills in Metallurgy by completing various experiments.
- 7) Apply math skills in various weld shop settings.

Certificate

Nicolet also offers a short-term certificate in Gas Metal Arc Welding.

Curriculum	Credits
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Fall Semester

31-442-307 Metallurgy Fundamentals	1
31-442-321 Shielded Metal Arc Welding	3
31-442-322 Oxyfuel & Arc Cutting Processes	2
31-442-323 Gas Metal Arc & Flux Cored Arc Welding I . . .	5
31-804-302 Applied Technical Math	2
31-809-350 Customer Relations.	1
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Spring Semester

31-421-320 Welding Blueprint Reading	2
31-442-325 Adv. Welding & Cutting Processes	2
31-442-324 Gas Metal Arc & Flux Cored Arc Welding II . .	3
31-442-326 Gas Tungsten Arc Welding	5
31-801-304 Applied Communications: Writing	2
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Students must have a grade of "C" or better to progress in core courses in the following semester and a grade of "C" or better in all core courses to graduate. A cumulative G.P.A. of 2.0 is required for graduation.



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