

## WELDING

### Program Overview

The Welding Technician Certificate prepares students for entry level careers in welding. Students will become knowledgeable in welding safety, practice the major welding processes such as stick, Metal Inert Gas (MIG) welding and Tungsten Inert Gas (TIG). Students will steel and aluminum material arc welding including Gas Metal Arc Welding (GMAW), Shielded Metal Arc Welding (SMAW), Flux-Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW).

The Advanced Welding Technician Certificate prepares students for more specific advanced careers in production welding. Students complete the Welding Technician Certificate and choose from applicable welding courses in advanced stick and TIG. The Advanced Welding Technician Certificate will allow students interested in specialized welding certifications through AWS to become eligible.

For more information, visit: [www.mchenry.edu/weldingtech](http://www.mchenry.edu/weldingtech)

**The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program. For more information, see an academic advisor and the department chair.**

### Requirements for the Welding Technician Certificate

Curriculum: OCC 270	Credit Hours	
Program Core	18	(3) MAT 106 Tech Math II (3) WLD 106 Welding Basics and Weldment Prints (3) WLD 121 Stick Welding Flat and Horizontal (3) WLD 131 MIG Welding Flat and Horizontal (3) WLD 132 MIG Welding Vertical and Overhead (3) WLD 141 TIG Welding Flat and Horizontal
Total Certificate Credits	18	

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### Requirements for the Advanced Welding Technician Certificate

Curriculum: OCC 271	Credit Hours	
Program Core	18	(3) MAT 106 Tech Math II (3) WLD 106 Welding Basics and Weldment Prints (3) WLD 121 Stick Welding Flat and Horizontal (3) WLD 131 MIG Welding Flat and Horizontal (3) WLD 132 MIG Welding Vertical and Overhead (3) WLD 141 TIG Welding Flat and Horizontal
Program Electives Choose 2	6	(3) WLD 122 Stick Welding Vertical and Overhead (3) WLD 124 Stick Welding Pipe Basic (3) WLD 142 TIG Welding Vertical and Overhead
Total Certificate Credits	24	

For more information, visit: [www.mchenry.edu/advancedweldingtech](http://www.mchenry.edu/advancedweldingtech)

### Other Certificate Graduation Requirements:

- 2.0 minimum cumulative GPA at MCC upon completion of program
- For certificates of less than 12 credit hours, all required credits must be completed through MCC coursework. For all other certificates, one-half of the minimum credit hours required must be completed through MCC coursework.
- Completion of graduate application
- Completion of end-of-program assessment as directed by this department.

For more information, contact the department chair:  
(815) 479-7511.