

Program Information

The Anoka Technical College Basic Welding certificate is a 17-credit program designed for individuals seeking a well-rounded foundation in welding. The Basic Welding certificate is designed for individuals who want quick access into the welding careers.

Program Learning Outcomes

By completing this program, students will achieve the following learning outcomes.

- Students will weld to visual acceptance criteria per applicable American Welding Society standards in Gas Tungsten Arc Welding, Gas Metal Arc Welding and the Shielded Metal Arc Welding process.
- Students will prepare weld joints and perform welding operations using welding symbol information.
- Students will follow established procedures and policies regarding personal protective gear, shop safety and welding equipment.
- Students will visually examine all work for discontinuities and defects with the knowledge of industry specification.

Course Prerequisites

None.

Graduation Requirements

All Anoka Technical College students seeking an Associate in Applied Science (AAS), diploma, or certificate must meet the cumulative grade point average (GPA) of 2.0 or higher.

Transfer Opportunities

To see how credits from this program may transfer into other Anoka Technical College programs or into a program at another college, visit:

- [Minnesota Transfer](#)
- [Anoka Technical College Transfer Student](#)

Industry Information

The diversification of the welding industry impacts virtually every industry around the globe. From the depth of the world's oceans to the far-reaching corners of outer space, there is a welding position for every hardworking, ambitious, smart individual who is ready and willing to constantly improve and strive for excellence. A career choice in welding offers a vast array of options for employment and continuing personal development. Welding is the most common way to permanently join metal parts. Heat is applied to the pieces that are being joined, melting and fusing them together which forms a permanent bond. Therefore, welding plays a key role in industry production lines, laboratories, research and development, national defense, sales and service, NASCAR and drag racing, custom motorcycle building, artwork, sculptures, pipelines, power plants, refineries, construction, maintenance, repair and much more.

Wages/Outlook/Advancement

Wage information is available from the [Minnesota Department of Employment and Economic Development](#).

Locations

Anoka Technical College
Cambridge-Isanti High School

Start Dates

Fall Semester.....August
Spring SemesterJanuary

Program Sequence

| | |
|------------------------------------------------------------------------|-----------|
| First Semester | 17 |
| <input type="checkbox"/> WELD 1000 Blueprint 1- Lecture..... | 1 |
| <input type="checkbox"/> WELD 1001 Blueprint 1- Lab..... | 1 |
| <input type="checkbox"/> WELD 1002 Math for Welders | 1 |
| <input type="checkbox"/> WELD 1004 Oxy-Fuel Applications | 1 |
| <input type="checkbox"/> WELD 1006 Oxy-Fuel Processes | 1 |
| <input type="checkbox"/> WELD 1012 Processes and Power Sources I | 3 |
| <input type="checkbox"/> WELD 1014 Gas Tungsten Arc Welding I | 3 |
| <input type="checkbox"/> WELD 1018 Shielded Metal Arc Welding I | 3 |
| <input type="checkbox"/> WELD 1020 Gas Metal Arc Welding I-A | 1 |
| <input type="checkbox"/> WELD 1021 Gas Metal Arc Welding I-B | 2 |

Faculty Contact

| | |
|--------------------------------------------|--------------|
| Jay Gerdin | 763-576-4055 |
| Rich Godeen | 763-576-4122 |
| Lisa Glendower | 763-576-4086 |
| Son Duong (Cambridge)..... | 763-576-4215 |

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Also see: Welding AAS, Welding Technology diploma, Robotic and Laser Welding certificate, Welding Fabricator certificate, and Pipe Welding certificate



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