

Welding Technology

The Career

Welders require a vast skill set to compete in today's competitive job market, and the demand for sophisticated, well-trained welders is very strong. Today's welders need to be proficient in blueprint reading, estimating, layout, fixturing, and automated welding processes such as robotics. Skilled welders generally plan their work by using drawings or specifications, or analyzing damaged metal.

The Program

The Welding program provides students with the skills and safety practices to perform various types of welding and cutting including oxyacetylene, shielded metal arc, gas metal arc and gas tungsten arc. Students will also learn the fundamentals of blueprint reading, welding standards and fabrication.

This certificate has been developed using all existing courses used in our day welding program. These courses are intended to promote welding skill development specifically for people working in manufacturing or plan to in the future. The individual courses may be taken by people not seeking a certificate to meet their needs. All students are required to have safety glasses and their welding book by the first night of class. This is an evening program running from 5 to 9 p.m.

Program Length

Students earn this Dunwoody Certificate after nine quarters. Students with previous training or experience in welding may arrange to take selected courses within the program.

Three smaller certificates are also available that are 12-credits each.

- GMAW Certificate (MIG), classes on Monday evenings
- GTAW Certificate (TIG), classes on Tuesday evenings
- SMAW Certificate (Stick), classes on Wednesday evenings

Applying to Dunwoody is easy

To apply online, visit dunwoody.edu. Or, to speak with a Dunwoody Admissions representative, call 612-374-5800 or 800-292-4652.

Dunwoody's Admissions team is committed to working with you to ease and simplify the admissions process and provide all the necessary information regarding our academic programs, degree opportunities, financial aid, expectations and everything else that enters into such an important decision.

Other exciting Dunwoody Robotics and Manufacturing Technology programs and degree options are available. Visit dunwoody.edu for complete details.



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GMAW (MIG) Certificate Requirements

WTEC101	Welding Fundamentals*
WTEC110	Weld Print Reading
WTEC150	Gas Metal Arc Welding I
WTEC151	Gas Metal Arc Welding II
WTEC152	Gas Metal Arc Welding III

GTAW (TIG) Certificate Requirements

WTEC101	Welding Fundamentals*
WTEC110	Weld Print Reading
WTEC160	Gas Tungsten Arc Welding I
WTEC161	Gas Tungsten Arc Welding II
WTEC162	Gas Tungsten Arc Welding III

SMAW (Stick) Certificate Requirements

WTEC101	Welding Fundamentals*
WTEC110	Weld Print Reading
WTEC140	Shielded Metal Arc Welding I
WTEC141	Shielded Metal Arc Welding II
WTEC142	Shielded Metal Arc Welding III

Welding Certificate Requirements

All of the above courses plus the following	
MATH104	Applications for Technology
COMM100	Communication Theory and Practice
COMM101	Electronic Communications

* A test-out is available for WTEC101