

Certificate in Welding

Program Description

This certificate program is designed to provide students with hands-on skills-based learning techniques in the field of welding. This certificate will allow students to enter the workforce as professional welders after only one year of university level courses (36 credit hours). This certificate will also allow students wishing to pursue additional coursework to ladder their credentials and pursue an Associate's degree in Electro-mechanical or welding related programs. The major goal of the program is to fulfill a community need to achieve competencies in reading blueprints, beginning and advanced Arc Welding, Oxy-Fuel, pipe, MIG & TIG welding, along with communication and metallurgy.

Catalog Description

The Certificate in Welding Technology is designed for students who would like to obtain a certificate or plan to continue on to obtain a higher degree; or for students seeking qualification for entry level work in the welding trades.

Career and Educational Advancement Opportunities

This program is designed to develop skills that will assist students in gaining employment in various welding/pipe fitting/mechanical career fields. Certificate holders may expect to find employment opportunities with manufacturing and industrial firms, fabrication, metal, steel and construction industries, national laboratories, local welding and repair shops and, for some, self-employment through owning a business. This certificate program will enable students to become employable with a secure future in 21st century jobs. This program will provide students with the technical training to succeed as welding professionals and provide an academic basis to continue their education at the Associate's degree level.

Certificate Requirements

Students complete 30 hours of welding technology courses and an additional six hours in communication and computer fundamentals. Students should earn a cumulative grade point average of 2.5. At least 15 of these 36 hours must be UNM catalog credit courses taken in residence. Minimum grade of C (not C-) in each Technical Core course.

Specific Degree Requirements

CJ 221	Interpersonal Communication	(3 Credit Hours)
IT 101 DRFT 115	Computer Fundamentals OR AutoCAD level I	(3 Credit Hours)
WLDT 101	Blueprint Reading	(4 Credit Hours)
WLDT 104	NCCER Basic Safety	(4 Credit Hours)
WLDT 105	Arc Welding I	(4 Credit Hours)
WLDT 107	Advanced Arc Welding	(4 Credit Hours)
WLDT 108	Oxyacetylene Welding	(4 Credit Hours)
WLDT 112	Gas Metal Arc Welding I	(3 Credit Hours)
WLDT 120	General Welding Applications	(3 Credit Hours)
WLDT 141	MIG & TIG Welding	(4 Credit Hours)
Total Credit Hours		36 Credit Hours