

■ Welding

TECHNICAL DIPLOMA 30 - 31 Credits

The Technical Diploma in Welding prepares students to perform cutting with oxy-fuel, plasma, and arc air. Skill development using gas metal arc/pulse arc, gas tungsten, flux cored arc, submerged arc, oxy-acetylene welding, and shielded metal arc welding is emphasized. The processes of welding will be applied to various types of certification procedures and fabrication methods. Potential occupations include: production welder, maintenance welder, job shop layout welder, welding sales and service, and combination welder.

Students who earn this diploma from the College of Menominee Nation have the opportunity to achieve national and state certifications, apply for apprenticeships, and enter employment as welders in construction and industry.

Completion of this program does not substitute for an apprenticeship, but does offer the basic knowledge to begin working as a beginning welder in industry and construction. Skills and aptitudes necessary for success in this program are normal physical strength and good manual dexterity.

REQUIREMENTS			COMPLETED GRADE	
EDU100	Student Success Strategies	3 cr.	_____	_____
RES110	Applied Mathematics I – Trades or			
MAT104	*College Algebra Foundations or			
MAT106	*College Algebra	2-3 cr.	_____	_____
WEL101	Shielded Metal Arc Welding (SMAW)	5 cr.	_____	_____
WEL102	Gas Metal Arc Welding/Metal Inert Gas (GMAW/MIG)	5 cr.	_____	_____
WEL103	Flux Core Arc Welding (FCAW)	5 cr.	_____	_____
WEL104	Gas Tungsten Arc Welding/Tungsten Inert Gas (GTAW/TIG)	5 cr.	_____	_____
WEL105	2D Machine Tool CAD	1 cr.	_____	_____
WEL106	Welding Materials and Metallurgy	2 cr.	_____	_____
WEL111	Welding Blueprint Reading and Sketching	2 cr.	_____	_____

Courses that have an asterisk () in front of them have a requisite. Students should refer to the academic catalog and plan accordingly.*