

Industrial Mechanics

Degree Type
Certificate

The Industrial Mechanics program is not accepting students for 2023-2024 year.

If you are interested in a trades career and would like to explore multiple skilled trades, the Industrial Mechanics Certificate is for you. The certificate program includes instruction in safety, welding, rigging, hydraulics, pneumatics, precision tooling, and equipment maintenance. Most classes occur in our hands-on laboratory, with equipment that comes from our industry partners, who provide feedback and support for students. Students gain the skills necessary to achieve the AWS D1.5/D1.1 welding certificate in stick welding (SMAW) and, upon successful completion of the certificate, obtain their OSHA 30 card in construction. Graduates can become millwrights, welders, maintenance technicians, and more. With job opportunities growing at an above average yearly rate (13% according to the Bureau of Labor Statistics), Industrial Mechanics is one of the most in-demand trades. This certificate satisfies all prerequisite for our Pipe Welding program offered in the summer.

Fall Semester

Course Number	Title	Lecture	Lab	Credits
INDM102W	Industrial Tools and Workplace Safety	1	0	1
INDM104W	Industrial Welding and Cutting Operations	1	12	7
INDM106W	Introduction to Industrial Mechanics	3	9	6
INDM122W	Reading Mechanical Prints I	2	0	2
INDM124W	Industrial Math	2	0	2
Sub-Total Credits		9	21	18

Spring Semester

Course Number	Title	Lecture	Lab	Credits
CAR101W	Career Readiness	2	0	2
INDM109W	Safety in Industry	3	0	3
INDM226W	Mechanical Systems	3	9	6
INDM228W	Advanced Industrial Welding Processes	1	12	5
INDM232W	Reading Mechanical Prints II	2	0	2
Sub-Total Credits		11	21	18
Total Credits				36