

Industrial Machine Mechanic Certificate

Program Description

The Industrial Machine Mechanic Certificate is designed to prepare the student for an entry-level career in plant machinery installation, maintenance, and fabrication.

Program Contacts

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Program Outcomes

Upon successful completion of the Industrial Machine Mechanic Certificate program, the learner will be able to:

1. Troubleshoot, replace, and repair hydraulic and pneumatic system components. (IPT 110, IPT 120, IPT 160, MET 160)
2. Fabricate and repair industrial machinery components. (IPT 160, WLD 112, WLD 113, WLD 250)
3. Utilize machine shop equipment. (AGS 101 or CSA 126, IPT 160, MET 160)
4. Troubleshoot and repair conveyance systems. (IPT 160)
5. Troubleshoot and repair bulk material handlers. (IPT 140, IPT 160)
6. Repair and replace valves. (IPT 130)

Program Requirements

A minimum of 28 credit hours is required to complete the Industrial Machine Mechanic Certificate.

Course	Course Title	Credit Hours
AGS101	Microcomputers in Agriculture	3
CSA126	Microsoft Office	3
IPT110	Industrial Shop Practices	3
IPT120	Industrial Pump Maint/Repair	3
IPT130	Industrial Valve Maint/Repair	3
IPT140	Bulk Materials Handling	3
IPT160	Machinery Maint/Troubleshoot	3
MET160	Basic Machine Hydr& Pneumatics	2
WLD112	Basic Welding I	2
WLD113	Basic Welding II	2
WLD250	Welded Metal Fabrication	4