

Industrial Automation Technology Certificate 26-27 catalog

Part-time

Description: This certificate program is for students interested in robotics and their use in industrial settings. Students will learn concepts of electricity, programmable logic controllers, motors, hydraulics, robotics, and the integration of robotic systems.

Completion Time: 2.5 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

Year 1

Fall Semester

☐ Success Skills for the 21st Century	GNST 100	3 Cr.
☐ Electrical Circuit Analysis	ATMN 110	3 Cr.
☐ Industrial Applied Algebra	INDS 122	2 Cr.

Spring Semester

☐ Industrial Motors and Controls	ATMN 140	4 Cr.
☐ Choose 1		
Pneumatics	INDS 106	3 Cr.
Hydraulics	INDS 107	3 Cr.

Year 2

Fall Semester

☐ Industrial Robotics	ATMN 271	3 Cr.
☐ Industrial Control Systems-Allen Bradley	ATMN 160	4 Cr.

Spring Semester

☐ Robotic Vision System	ATMN 276	3 Cr.
☐ Automation Maintenance	ATMN 280	3 Cr.
☐ Industrial Automation Integration	ATMN 285	3 Cr.

Year 3

Fall Semester

☐ Industrial Networking	ATMN 175	2 Cr.
☐ Advanced PLC	ATMN 260	3 Cr.

Total Minimum Credits: 36

Academic Advising: You should meet with an academic counselor prior to registering for classes.

Note: Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.