

Industrial Automation Technology AAS Degree Courses

Award	Associate of Applied Science (AAS)
Credits	66
Program Start	Fall
Time to Complete	2 years

2024–2025 Suggested Sequence of Study

The following suggested sequence of study is for new full-time students starting the program Fall 2024. Part-time students should visit with a program advisor for a modified sequence of study.

When registering for classes refer to Self-Service > Student Planning to view your specific program requirements, your progress, and ensure proper registration.

Courses are subject to change.

◆ General education course.

▣ Non-transfer general education course.

▶ Course has a prerequisite and/or corequisite.

O Course meets 100% online.

E Course meets face-to-face after 5:00pm.

8WK1 Course meets the first 8 weeks of the term.

8WK2 Course meets the second 8 weeks of the term.

Term 1

ELT-139	Electrical Systems ►	8WK1	3
EGT-140	Fluid Power	8WK2	2
ELT-239	Advanced Electrical Systems ►	8WK2	3
ELT-315	Digital Logic for Industrial Applications ► OR		2
EGT-420	PLTW - Digital Electronics		3
IND-111	Industrial Safety Mechanical Systems		1
IND-153	Industrial Mechanics		3
MAT-772	Applied Math OR		3
	Math Elective		3
Total Credits 17			

Term 2

ELT-215	Motors and Controls ►	8WK1	2
ELT-736	Instrumentation and Control ►	8WK1	2
ELT-234	PLC Programming ►	8WK2	2
WEL-339	Electromechanical Maintenance	8WK2	3
EGT-149	Fluid Power Systems II ►		3
MFG-193	Machine Shop Processes		3
PSY-102	Human and Work Relations OR	O E	3 ◆
PSY-111	Introduction to Psychology OR	O E	3 ◆
SOC-110	Introduction to Sociology	O	3 ◆
Total Credits 18			

Term 3

EGT-154	Pneumatics	8WK1	2
EGT-212	Hydraulics Troubleshooting ►	8WK1	2
ELT-532	Semiconductors for Industrial Applications ►	8WK1	2
ELT-216	DC Controls Circuits ►	8WK2	2
ELT-240	PLCs II ►	8WK2	2
ELT-120	Schematics for Electromechanical Techs ►		3
SPC-101	Fundamentals of Oral Communication		3
Total Credits 16			

Term 4

ELT-133	Electric Motor Drives	8WK1	2
ELT-245	PLCs III ►	8WK1	2
MFG-366	General CNC Mill Maintenance	8WK1	2
ATR-145	Applied Industrial Robotics	8WK2	2
ELT-444	Industrial Networking ►	8WK2	2
ELT-818	Electrical Troubleshooting ►	8WK2	2
COM-781	Written Communication in the Workplace ► OR	O E	3 ◆
ENG-105	Composition I ►	O E	3 ◆

Total Credits 15**Math Electives**

MAT-102	Intermediate Algebra ►	4
MAT-110	Math for Liberal Arts ►	3
MAT-121	College Algebra ►	4
MAT-128	Precalculus ►	4
MAT-134	Trigonometry and Analytic Geometry ►	3
MAT-156	Statistics ►	3
MAT-210	Calculus I ►	4