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Automation Engineer Technology - CERT A

Semester-by-Semester Pathway

A Certificate is outlined coursework that is designed to prepare a student to head out into the workforce in a short timeframe or for career advancement. This certificate totals 23 credit hours. Consult with an advisor for more information. Not all courses are offered each semester.

( ) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Semester 1 - Fall				
Complete	**Course ID**	**Course Title**	**Credit Hours**	**Notes**
Required Courses				
	AE100	AC/DC Circuits	4.00	Fall 2026, Spring 2027
	AE101	Digital Multimeter Principles	1.00	Fall 2026, Spring 2027
	EE117	Conduit Fabrication	1.00	Fall 2026, Spring 2027
	EE126	NEC Codeology	1.00	Fall 2026, Spring 2027
	ME106	Industrial Fluid Power	3.00	Fall 2026, Spring 2027
	TR100	Technical Math	3.00	Fall 2026, Spring 2027
Electives				
		Semester Total:	**13.00**	

Semester 2 - Spring				
Complete	**Course ID**	**Course Title**	**Credit Hours**	**Notes**
Required Courses				
	AE155	Electrical Maintenance	3.00	Fall 2026, Spring 2027 Prereq: AE100 AC/DC Circuits.
	ME110	Fundamentals of Motor Controls	3.00	Fall 2026, Spring 2027 Prereq: AE100 AC/DC Circuits.
	TR121	General Industrial Safety/OSHA10	1.00	Fall 2026
Electives				
	SH101 Public Speaking or SH210 Interpersonal Communication		3.00	
		Semester Total:	**10.00**	

Total Credits: 23.00

*Semester offerings reflect the current academic year.

SH101 Public Speaking or SH210 Interpersonal Communication			
Course ID	**Course Title**	**Credit Hours**	**Notes**
SH101	Public Speaking	3.00	Fall 2026, Spring 2027, Summer 2027
SH210	Interpersonal Communication	3.00	Fall 2026, Spring 2027, Summer 2027