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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.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

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

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

**Total Credits: 23.00**

\*Semester offerings reflect the current academic year.

**SH101 Public Speaking or SH210 Interpersonal Communication**

<b>Course ID</b>	<b>Course Title</b>	<b>Credit Hours</b>	<b>Notes</b>
SH101	Public Speaking ▶	3.00	Spring 2026, Summer 2026, Fall 2026
SH210	Interpersonal Communication ▶	3.00	Spring 2026, Summer 2026, Fall 2026