Electrical Systems Technology

Electrical Systems Technology Suggested Course Sequences

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2024-2025 catalog. This is only a recommendation — you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with an advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details.

- Electrical Systems Technology - Electrical Design Track (A35130D) (p. 1)
- Electrical Systems Technology - Manufacturing Maintenance Technician Track (A35130M) (p. 1)
- Electrical Systems Technology - Solar Photovoltaic Track (A35130S) (p. 1)

Electrical Systems Technology - Electrical Design Track (A35130D)

Term I		Credits
MAT 110	Mathematical Measurement and Literacy	3.0
ACA 122	College Transfer Success	1.0
ELC 112	DC/AC Electricity	5.0
ELC 113	Residential Wiring	4.0
WOL 110	Basic Construction Skills	3.0
	Credits	**16**
Term II		
BPR 130	Print Reading-Construction	3.0
ELC 114	Commercial Wiring	4.0
ELC 117	Motors and Controls	4.0
ELC 125	Diagrams and Schematics	2.0
ELC 128	Introduction to Programmable Logic Controller	3.0
	Credits	**16**
Term III		
ENG 111	Writing and Inquiry	3.0
	Credits	**3**
Term IV		
ARC 114	Architectural CAD	2.0
ELC 115	Industrial Wiring	4.0
ELC 121	Electrical Estimating	2.0
ELC 118	National Electrical Code	2.0
ELC 119	NEC Calculations	2.0
Humanities/Fine Arts		3.0

You may have completed a program certificate(s). Confirm eligibility with your academic advisor.

	Credits	**15**
Term V		
ARC 225	Architectural Building Information Modeling I	2.0
ELC 234	Electrical System Design	3.0
Behavioral/Social Science		3.0
Technical Elective		3.0
COM 231	Public Speaking	3.0

You may have completed a program certificate(s). Confirm eligibility with your academic advisor.

	Credits	**14**
	Total Credits	**64**

Electrical Systems Technology - Manufacturing Maintenance Technician Track (A35130M)

Term I		Credits
ACA 122	College Transfer Success	1.0
MAT 110	Mathematical Measurement and Literacy	3.0
ELC 112	DC/AC Electricity	5.0
ELC 113	Residential Wiring	4.0
WOL 110	Basic Construction Skills	3.0
	Credits	**16**
Term II		
ELC 114	Commercial Wiring	4.0
ELC 117	Motors and Controls	4.0
ELC 125	Diagrams and Schematics	2.0
ELC 128	Introduction to Programmable Logic Controller	3.0
ENG 111	Writing and Inquiry	3.0
	Credits	**16**
Term III		
Humanities/Fine Arts		3.0
	Credits	**3**
Term IV		
ARC 114	Architectural CAD	2.0
ELC 118	National Electrical Code	2.0
ELC 119	NEC Calculations	2.0
ELC 121	Electrical Estimating	2.0
ELC 215	Electrical Maintenance	3.0
WLD 112	Basic Welding Processes	2.0
Behavioral/Social Science		3.0

You may have completed a program certificate(s). Confirm eligibility with your academic advisor.

	Credits	**16**
Term V		
ARC 225	Architectural Building Information Modeling I	2.0
ELC 130	Advanced Motors and Controls	3.0
ELC 228	Programmable Logic Controllers Applications	4.0
Technical Elective		3.0
COM 231	Public Speaking	3.0

You may have completed a program certificate(s). Confirm eligibility with your academic advisor.

	Credits	**15**
	Total Credits	**66**

Electrical Systems Technology - Solar Photovoltaic Track (A35130S)

Term I		Credits
MAT 110	Mathematical Measurement and Literacy	3.0
ACA 122	College Transfer Success	1.0
ELC 112	DC/AC Electricity	5.0
ELC 113	Residential Wiring	4.0
WOL 110	Basic Construction Skills	3.0
	Credits	**16**
Term II		
ELC 114	Commercial Wiring	4.0
ELC 117	Motors and Controls	4.0
ELC 125	Diagrams and Schematics	2.0
ELC 128	Introduction to Programmable Logic Controller	3.0

ENG 111	Writing and Inquiry	3.0
	Credits	**16**
Term III		
Technical Elective		1.0
	Credits	**1**
Term IV		
ARC 114	Architectural CAD	2.0
ELC 118	National Electrical Code	2.0
ELC 119	NEC Calculations	2.0
ELC 121	Electrical Estimating	2.0
COM 231	Public Speaking	3.0
ELC 220	Photovoltaic System Technology	3.0
You may have completed a program certificate(s). Confirm eligibility with your academic advisor.		
	Credits	**14**
Term V		
ARC 225	Architectural Building Information Modeling I	2.0
Humanities/Fine Arts		3.0
Behavioral/Social Science		3.0
ELC 130	Advanced Motors and Controls	3.0
ELC 234	Electrical System Design	3.0
Technical Elective		3.0
You may have completed a program certificate(s). Confirm eligibility with your academic advisor.		
	Credits	**17**
	Total Credits	**64**