



**SOUTHERN
MAINE
COMMUNITY
COLLEGE**

**Electrical Engineering Technologies
Associate in Applied Science
Four Semester Pathway Academic Year 2025-2026**

Semester 1	Requirement	Recommended	Prerequisites	Corequisites	Credits	My Plan
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway				1	
MATH 140	College Algebra		MATH 040		3	
MATH 146	Introduction to Trigonometry (8 week course)		MATH 040	MATH 140	1	
ELEC 101	Introduction to Electrical Engineering Technologies				3	
ELEC 110	DC Circuits		ELEC Program Acceptance	MATH 140 & MATH 146	3	
ELEC 175	Wiring Practices		ELEC Program Acceptance		3	
Semester 2						
ELEC 120	Digital Electronics		ELEC Program Acceptance		3	
ELEC 130	Programmable Logic Controllers		ELEC Program Acceptance		3	
ELEC 140	AC Circuits		ELEC 101, ELEC 110 with a grade of C or better, MATH 140 & MATH 146		3	
ENGL 100	English Composition		ENGL 080		3	
PHYS 150	College Physics I with Lab		MATH 140 & MATH 146		4	
Semester 3						
AEDD 105	CAD Graphics		MATH 040		3	
ELEC 170	Three-Phase Circuits		ELEC 140 w/grade of C or better		3	
ELEC 215	Electrical Machinery		ELEC 140	ELEC 170	3	
ELEC 230	Electronics I		ELEC 140 with a grade of C or better		3	
ENGL 115 OR ENGL 117	Introduction to Literature OR Introduction to Professional Writing		ENGL 100 or ENGL 101		3	
ELEC 240	Fluid Power Systems		ELEC Program Acceptance		3	
Semester 4						
ELEC 235	Electronics II		ELEC 230		3	
ELEC 250	National Electrical Code		ELEC 170, ELEC 215		3	
ELEC 260	Motor Controls and Automation		ELEC 215		3	
ELEC 265	Renewable Energy Resources		ELEC 110		3	
	Social Science Elective		See course prerequisites	See course corequisites	3	
	Fine Arts or Humanities Elective		See course prerequisites	See course corequisites	3	
				Total Credits	66	



Electrical Engineering Technologies

General Education Requirements

COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
ENGL 100	English Composition	ENGL 080		3	
ENGL 115 OR ENGL 117	Introduction to Literature OR Introduction to Professional Writing	ENGL 100 or ENGL 101		3	
FIGS 100	Student Success Elective - Industrial Technology & Transportation Pathway			1	
MATH 140	College Algebra	MATH 040		3	
MATH 146	Introduction to Trigonometry (8 week course)	MATH 040	MATH 140	1	
PHYS 150	College Physics I with Lab	MATH 140		4	
	Fine Arts or Humanities Elective			3	
	Social Science Elective			3	

Major Required Courses

COURSE CODE	COURSE TITLE	PREREQUISITES	COREQUISITES	CREDITS	MET
AEDD 105	CAD Graphics	MATH 040		3	
ELEC 101	Intro to Electrical Engineering Technologies			3	
ELEC 110	DC Circuits	ELEC program acceptance	MATH 140 & MATH 146	3	
ELEC 120	Digital Electronics	ELEC program acceptance		3	
ELEC 130	Programmable Logic Controllers	ELEC program acceptance		3	
ELEC 140	AC Circuits	ELEC 101, ELEC 110 w/grade of "C" or better, MATH 140 & MATH 146		3	
ELEC 170	Three-Phase Circuits	ELEC 140 w/grade of C or better		3	
ELEC 175	Wiring Practices	ELEC program acceptance		3	
ELEC 215	Electrical Machinery	ELEC 140	ELEC 170	3	
ELEC 230	Electronics I	ELEC 140 w/grade of C or better		3	
ELEC 235	Electronics II	ELEC 230		3	
ELEC 240	Fluid Power Systems	ELEC program acceptance		3	
ELEC 250	National Electrical Code	ELEC 170, ELEC 215		3	
ELEC 260	Motor Controls and Automation	ELEC 215		3	
ELEC 265	Renewable Energy Resources	ELEC 110		3	