



Industrial Electronics Technology

2026–2027

The Industrial Electronics (ETRN) program offers two completion options: a Technical Diploma (TD) or an Associate of Applied Science (AAS). To earn the AAS, take all the courses on the plan; if you only want the TD, skip the courses marked “AAS” in the program path column.

	Program Path	SEMESTER 1	
ETRN 1000		Occupational Safety	2 Credits
ETRN 1005		Basic Electricity	5 Credits
ETRN 1205		Digital Circuits	5 Credits
ETRN 2710		Introduction to Networking	3 Credits
ETRN 2800		Electronic Troubleshooting I	3 Credits
CTS: Basic Electricity TOTAL SEMESTER CREDITS			18
	Program Path	SEMESTER 2	
ETRN 1004		Microprocessors	4 Credits
ETRN 1105		Basic Electronics	5 Credits
ETRN 2113		Introduction to Programmable Controllers	3 Credits
ETRN XXXX		Choose from: ETRN 1100, 1303, 2130, 2620, 2720, 2733, or 2810. Note: courses are offered on a rotation and may not be offered on all campuses.	3 Credits
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TOTAL SEMESTER CREDITS			18
	Program Path	SEMESTER 3	
ETRN 2120		Communications Principles & Systems	3 Credits
ETRN 2840		Electronic Troubleshooting II	1 Credit
ETRN XXXX		Choose from: ETRN 1100, 1303, 2130, 2620, 2720, 2733, or 2810. Note: courses are offered on a rotation and may not be offered on all campuses.	3 Credits
TOTAL SEMESTER CREDITS			7
		TOTAL DEGREE CREDITS – Technical Diploma	45
	Program Path	SEMESTER 4	
ENGL 1010	AAS	Rhetoric & Composition	3 Credits
MATH 1105	AAS	College Algebra	3 Credits
PHSC 1000 or PHYS 2070	AAS	Physical Science I or Introduction to Physics	3 Credits
Humanities	AAS	Choose from General Education Courses: History (HIST); English (ENGL 2XXX) except ENGL 2045 and 2070; or Communications (CMCN) except CMCN 1170, 1270, and 2145.	3 Credits
Social Science	AAS	Choose from General Education courses: Criminal Justice 1010, Anthropology (ANTH), Economics (ECON), Geography (GEOG), Political Science (POLI), Psychology (PSYC), or Sociology (SOCI).	3 Credits
TOTAL SEMESTER CREDITS			15
TOTAL DEGREE CREDITS – Associate of Applied Science			60

A grade of “C” or higher is required in all courses.
 Note: This document is intended to help you plan your schedule. The official and final program requirements are those published in the applicable college catalog under the Programs tab. (OAA 4/26)