

CERTIFICATES OF ACHIEVEMENT

INDUSTRIAL ELECTRONICS TECHNOLOGY

Designed to provide fundamental knowledge of and experience with industrial electronic components and systems to learn job skills applicable in a variety of technical environments including automated systems. Students will learn about and use equipment, tools, and processes that involve electrical and electronic equipment to prepare for International Society of Certified Electronics Technicians (ISCET) certification as a Certified Electronics Technician associate, and be prepared to work as a technician in assembly or troubleshooting positions.

Please see the [Certificate of Achievement](#) page for a list of all courses filling general education requirements.

Required Courses

Course	Title	Units
TOTAL REQUIREMENTS		30 Units
PROGRAM REQUIREMENTS		21 Units
ELM 110	Basic Electricity	4
ELM 112	Electrical Theory, DC	3
ELM 121	Circuit Design	3
MPT 111	Fundamentals of Manufacturing & Automation I	3
MPT 112	Fundamentals of Manufacturing & Automation II	3
OSH 222	General Industry Safety	1
<i>Choose 4 units from the following program electives:</i>		
Any MPT, ELM, DFT, ENGR, WELD, or MTT		
GENERAL EDUCATION REQUIREMENTS		9 Units
English/Communications Requirement: <i>Must include a writing course</i>		3
Human Relations Requirement		3
Mathematics Requirement: <i>MATH 110 or higher</i>		3

Suggested Course Sequence

First Semester	Units	Second Semester	Units
ELM 110	4	ELM 121	3
ELM 112	3	MPT 112	3
MPT 111	3	Program Elective	4
OSH 222	1	English/Communication	3
Mathematics	3	Human Relations	3