

ET14: Electronics Technology Diploma (replaces EFA3: Electronics Technology in the Quarter System)

The Electronics Technology diploma program is a sequence of courses designed to prepare students for careers in electronics technology professions. Learning opportunities develop academic, technical, and professional knowledge and skills required for job acquisition, retention, and advancement. Program graduates are to be competent in the general areas of communications, mathematics, computer literacy, and interpersonal relations. The program emphasizes a combination of electronics technology theory and practical application necessary for successful employment using both manual and computerized electronics systems.

Career Opportunities

Graduates may find employment as specialized industrial or specialized general electronics technicians, assemblers, testers, repairers, and calibrators.

Credit Required for Graduation: Minimum of 56 credit hours

Curriculum

Program Course	Credits
<i>Basic Skills Courses</i>	
_____ EMPL 1000 Interpersonal Relations and Professional Development	2
_____ ENGL 1010 Fundamentals of English I	3
_____ MATH 1013 Algebraic Concepts	3
_____ MATH 1015 Geometry and Trigonometry	3
_____ -or- _____ MATH 1017 Trigonometry	(3)
<i>Occupational Courses</i>	
_____ COMP 1000 Introduction to Computers	3
_____ ELCR 1005 Soldering Technology	1
_____ ELCR 1010 Direct Current Circuits	5
_____ ELCR 1020 Alternating Current Circuits	7
_____ ELCR 1030 Solid State Devices	5
_____ ELCR 1040 Digital and Microprocessor Fundamentals	5
_____ ELCR 1060 Linear Integrated Circuits	3

-and-

Choose one of the specializations on the next page

Choose one of the following specializations

*Specific Occupational Courses (**Industrial Electronics Technology Specialization**)*

_____	ELCR 2110	Process Control	3
_____	ELCR 2120	Motor Controls	3
_____	ELCR 2130	Programmable Controllers	3
_____	ELCR 2140	Mechanical Devices	2
_____	ELCR 2150	Fluid Power	2
_____	ELCR 2160	Advanced Microprocessors and Robotics	3

*Specific Occupational Courses (**Field Occupation Specialization**)*

Occupational Electives (16 credits from the list below)

_____	DFTG 1101	CAD Fundamentals	4
_____	ELCR 2110	Process Control	3
_____	ELCR 2120	Motor Controls	3
_____	ELCR 2130	Programmable Logic Controllers	3
_____	ELCR 2150	Fluid Power	2
_____	ELCR 2590	Fiber Optic Systems	3
_____	ELCR 2600	Telecommunication and Data Cabling	3
_____	ELCR 2660	Security System Installation and Testing	4
_____	ELTR 1060	Electrical Prints, Schematics, Symbols	3