

Electronics Technology

Certificate of Achievement

The electronics technology certificate program is designed to provide training and technical job skills to students seeking an employment position within a variety of industries which require a basic electronics background. This program is competency-based, requiring students to complete a variety of hands-on learning exercises ranging from building and testing simple circuits to troubleshooting advanced electronic systems.

General Education Requirements

Communications	3 credits
Human Relations	3 credits
Quantitative Reasoning	3 credits
Total General Education Requirements	9 Credits

Core Requirements

AIT 110	General Industrial Safety	1
ET 104	Fabrication and Soldering Techniques	2
ET 131	DC for Electronics	4
ET 132	AC for Electronics	4
ET 210	Digital Electronics	4
ET 220	Solid State Devices and Circuits I	4

Total Core Requirements	19 Credits
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Elective Requirements

Choose four credits from the following:

ET 100	Survey of Electronics	4
ET 204	Surface Mount Assembly and Repair	2
ET 222	Solid State Devices and Circuits II	4
ET 234	Communications Systems	3
ET 282	Microprocessors	4

Total Elective Requirements	4 Credits
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Total Certificate Requirements	32 Credits
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Suggested Course Sequence

First Year	Course #	Title	Credits
1st Semester			
Core	AIT 110	General Industrial Safety	1
Communications	ENG 107	Technical Communications I	3
Core	ET 104	Fabrication and Soldering Techniques	2
Core	ET 131	DC for Electronics	4
Quantitative Reasoning	MATH 126	Pre-Calculus I	3
Total			13
2nd Semester			
Elective		Choose from list	4
Core	ET 132	AC for Electronics	4
Core	ET 210	Digital Electronics	4
Human Relations	CE 201	Workplace Readiness	3
Total			15
Second Year	Course #	Title	Credits
3rd Semester			
Core	ET 220	Solid State Devices and Circuits I	4
Total			4
Certificate Total			32