

# Electronics Technology



## Why study Electronics Technology?

- You can learn how electronic devices work and how to repair them
- You can learn UAV technology
- You will have many of the STEM skills employers desire
  - Thousands of current job openings nationwide (Indeed.com)
  - Over 700 jobs in Arizona
- You will make good money
  - Starting pay is \$45,000 (payscale.com)
  - Average pay is over \$50,000
- There are **no** required math classes

**Electronics technicians** help design, develop, test, manufacture, install, and repair electrical and electronic equipment such as communication equipment, medical monitoring devices, navigational equipment, and computers.

## Electronics technician tasks

- Troubleshoot electro-mechanical assemblies to the component level.
- Develop and document test processes for electronic equipment.
- Perform minor soldering and electronic repair.
- Design and document minor electronics and cable assemblies.
- Utilize various electronic test equipment, such as meters, oscilloscopes and power supplies.

## For more information contact:

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**COCHISE COLLEGE**

*Electronics Technology*

[cochise.edu/electronics](http://cochise.edu/electronics)



## DEGREE MAP

The following sequence is an example of how this program can be completed within the recommended time frame. It presumes that all course and program prerequisites have been met. Completion times may vary depending on individual circumstances. Students should consult an advisor when they plan their individual completion path using MyDegreePlan.

**Program Name:** Electronics Technology-Associate of Applied Science Degree

**Locations Offered:** Downtown Center

### FIRST SEMESTER-FALL

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	<b>ELT 105</b> Introduction to DC Circuits	F2F	3
Core Curriculum	<b>ELT 106</b> Introduction to AC Circuits	F2F	4
Gen Ed-Composition	<b>ENG 101</b> Composition	F2F,VC	3
Gen Ed-Math Substitute	<b>PSY 101</b> Introduction to Psychology	F2F,VC	3
Gen Ed-Technology Literacy	<b>CIS 116</b> Computer Essentials or CIS 120 Intro to Info Systems	F2F,VC	3

### SECOND SEMESTER-SPRING

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	<b>CIS 150</b> Essentials of Networking	F2F,VC	3
Core Curriculum	<b>CIS 181</b> Computer Applications	F2F,VC	3
Core Curriculum	<b>ELT 125</b> Electronic Circuits and Systems	F2F	4
Core Curriculum	<b>ELT 222</b> Semiconductors and Transistors	F2F	4
Gen Ed-Composition	<b>ENG 102</b> English Composition	F2F,VC	3

### THIRD SEMESTER-FALL

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	<b>CIS 160</b> Introduction to Information Security	F2F,VC	4
Core Curriculum	<b>ELT 245</b> Communication Electronics I	F2F	4
Core Curriculum	<b>ELT 247</b> Communication Electronics II	F2F	4
Gen Ed-Liberal Arts	<b>SOC 101</b> Introduction to Sociology	F2F,VC	3
General Education-Liberal Arts	<b>COM 102</b> Essentials of Communication	F2F,VC	3

### FOURTH SEMESTER-SPRING

Requirement Category	Course(s)	Delivery*	Credits
Core Curriculum	<b>CIS 129</b> Introduction to Programming Logic**	VC	1
Core Curriculum	<b>CIS 179</b> Applied Technical Writing	F2F,VC	3
Core Curriculum	<b>ELT 131</b> FCC Regulations	F2F	2
Core Curriculum	<b>ELT 135</b> Digital and Microprocessor Fundamentals	F2F	4
Core Curriculum	<b>ELT 227</b> Autonomous Systems and Control Stations	F2F	3

**Total credits required: 64**

\*Key: F2F = Face-to-Face      VC = Virtual Campus

**Notes:** \*\*CIS 129 is offered only through the Virtual Campus.