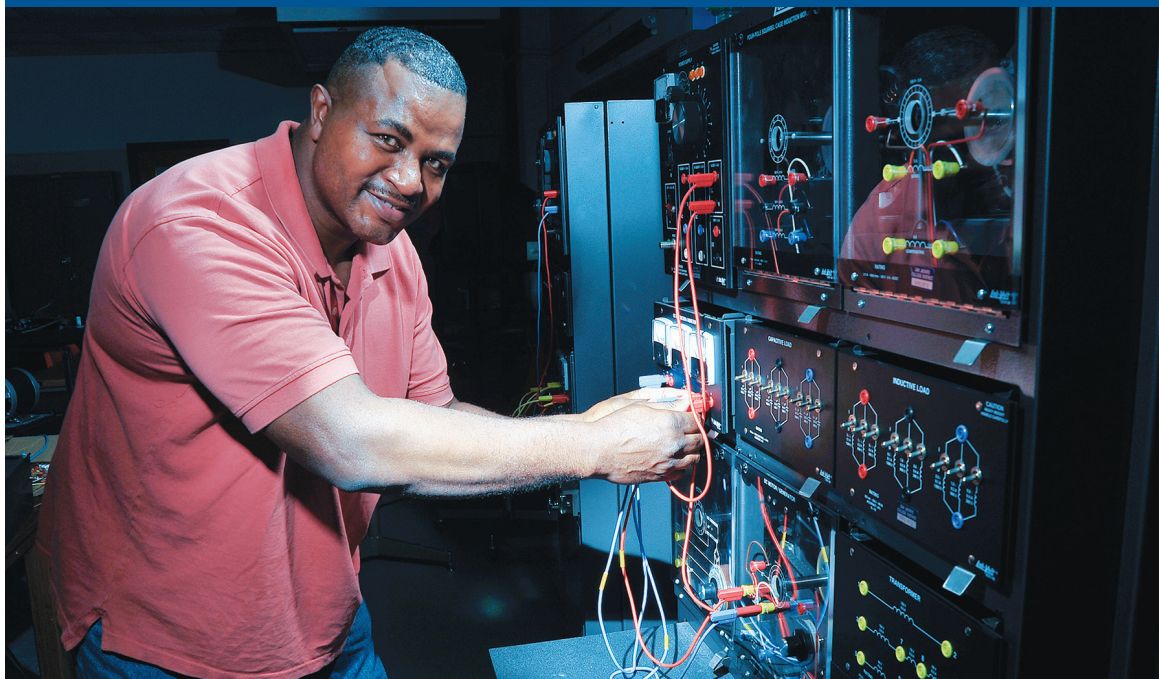


# Electronics Technology

(3ELECTRON, 5ELECTRON, 4ELECTRON, 6ELEC-COMM)



## Fast Facts About the Program

**Type:** Technical  
**Degree/Certificate:** Occupational Certificate, Level II, Certificate of Technology, and Associate of Applied Science (A.A.S.)  
**Duration:** One to four terms

## Program Information

Has anyone ever called you “tech-savvy?” Are you passionate about technology and do you find it thrilling that our computers, communications, databases, security systems, personal and corporate connectivity, and information networks are all intricately intertwined into a finely woven net that envelops the planet? If so, a degree in electronics technology is right for you. San Jacinto College’s program will prepare you to work in electronics, industrial computing, VOIP switching, phone PBX, and a variety of other computer-related fields. With technology moving faster than ever, one thing is for certain: if you know computer electronics, your skills will be in high demand!

The San Jacinto College computer electronics technology curriculum is:

- Designed to provide basic training for entry-level jobs in a variety of occupations in the field of electronics, telecommunications, automation, sensors, and computer engineering technology.
- A great foundation in the principles of electronics with an emphasis on digital electronics and computers.
- A great training ground in advanced microprocessor applications and basic automation and robotics.

## Additional Information

- Graduates of this program should be capable of completing technical assignments in the fields of digital electronics, analog electronics, communications, and computer maintenance.
- The computer maintenance components of this program conform to the A+ and Net+ certification guidelines.

## Career Opportunities

With an associate degree in applied computer electronics, students can expect job opportunities as an:

- Electronics technician
- Field engineer
- Support specialist
- Medical equipment repair and calibration technician
- Oilfield electronics technician
- Computer networking technician
- Entertainment equipment repair technician
- Simulator repair technician

## Earning Potential

Engineering technician median salary: \$69,587 per year\*

Electrical and electronics engineering technician median salary: \$64,149 per year\*

\*Source: [www.texaswages.com](http://www.texaswages.com), Houston area

## For More Information

**Call Center:** 281-998-6150  
**General Email:** [information@sjcd.edu](mailto:information@sjcd.edu)

## San Jacinto College Central

8060 Spencer Hwy.  
Pasadena, TX 77505  
**Contact:** 281-476-1836 or 281-998-6150, ext. 1689

### Anna G. Cummings

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## Electronics Technology (6ELCTRN-COMM)

### Occupational Certificate

<i>First Term</i>	<i>Credit</i>
CETT 1303 DC Circuits .....	3
CETT 1305 AC Circuits .....	3
CETT 1325 Digital Fundamentals .....	3
CETT 1349 Digital Systems .....	3
ITSC 1325 Personal Computer Hardware .....	3
<b>Occupational Certificate Total</b>	<b>15</b>

## Electronics Technology (4ELECTRON)

### Certificate of Technology

<i>First Term</i>	<i>Credit</i>
CETT 1303 DC Circuits .....	3
CETT 1305 AC Circuits .....	3
CETT 1325 Digital Fundamentals .....	3
CETT 1349 Digital Systems .....	3
ITSC 1325 Personal Computer Hardware .....	3
<b>Subtotal</b>	<b>15</b>

<i>Second Term</i>	<i>Credit</i>
CETT 1329 Solid State Devices .....	3
CETT 1357 Linear Integrated Circuits .....	3
RBTC 1355 Sensors and Automation .....	3
ELMT 2337 Electronic Troubleshooting, Service, and Repair .....	3
Math 1333 Contemporary Mathematics for Technical Programs or MATH 1314 College Algebra or higher .....	3
<b>Subtotal</b>	<b>15</b>

**Certificate of Technology Total 30**

**Capstone Experience: ELMT 2335, ELMT 2337 or  
EECT 2367**

## Electronics Technology (5ELEC)

### Level II Certificate

<i>First Term</i>	<i>Credit</i>
CETT 1303 DC Circuits .....	3
CETT 1305 AC Circuits .....	3
CETT 1325 Digital Fundamentals .....	3
CETT 1349 Digital Systems .....	3
ITSC 1325 Personal Computer Hardware .....	3
<b>Subtotal</b>	<b>15</b>

<i>Second Term</i>	<i>Credit</i>
CETT 1329 Solid State Devices .....	3
CETT 1357 Linear Integrated Circuits .....	3
RBTC 1355 Sensors and Automation .....	3
ELMT 2337 Electronic Troubleshooting, Service, and Repair .....	3
*Math 1333 Contemporary Mathematics for Technical Programs or MATH 1314 College Algebra or higher .....	3
<b>Subtotal</b>	<b>15</b>

<i>Third Term</i>	<i>Credit</i>
FCEL 1305 Fuel Cell and Alternative/Renewable Energy .....	3
EECT 2339 Communications Circuits .....	3
ELMT 1305 Basic Fluid Power .....	3
ENGL 1301 Composition I .....	3
ELMT 2335 Certified Electronics Technician Training or EECT 2367 Practicum (or Field Experience)-Electrical, Electronic and Communications Engineering Technology/Technician .....	3
Approved Elective .....	3
<b>Subtotal</b>	<b>18</b>

**Level II Certificate Total 48**

**Capstone Experience: ELMT 2335, ELMT 2337 or  
EECT 2367**

Approved Electives  
ELMT 2333      ELMT 2335      ELMT 2341      EECT 2367

*\*Students planning to pursue a baccalaureate degree should enroll in MATH 1314.*

Electronics Technology (3ELECTRON)

Associate of Applied Science Degree

First Term	Credit
CETT 1303 DC Circuits .....	3
CETT 1305 AC Circuits .....	3
CETT 1325 Digital Fundamentals .....	3
CETT 1349 Digital Systems .....	3
ITSC 1325 Personal Computer Hardware .....	3
Subtotal	15
Second Term	Credit
CETT 1329 Solid State Devices .....	3
CETT 1357 Linear Integrated Circuits .....	3
RBTC 1355 Sensors and Automation .....	3
ELMT 2337 Electronic Troubleshooting, Service, and Repair .....	3
*MATH 1333 Contemporary Mathematics for Technical Programs or MATH 1314 College Algebra or higher .....	3
Subtotal	15
Third Term	Credit
FCEL 1305 Fuel Cell and Alternative/Renewable Energy .....	3
EECT 2339 Communications Circuits .....	3
ELMT 1305 Basic Fluid Power .....	3
ENGL 1301 Composition I .....	3
**Humanities or Fine Arts .....	3
Subtotal	15
Fourth Term	Credit
ELMT 2335 Certified Electronics Technician Training or EECT 2367 Practicum (or Field Experience)-Electrical, Electronic, and Communications Engineering Technology/Technician .....	3
**Social and Behavioral Sciences .....	3
Speech .....	3
Approved Elective .....	3
Approved Elective .....	3
Subtotal	15

Associate of Applied Science Degree Total 60

Capstone Experience: ELMT 2335, ELMT 2337 or EECT 2367

Approved Electives

EECT 2367 ELMT 2333 ELMT 2335 ELMT 2341

\* Students planning to pursue a baccalaureate degree should enroll in MATH 1314.

\*\* Courses which satisfy this requirement are listed in the Humanities and Fine Arts, and Social and Behavioral Sciences sections of the Transfer Core Curriculum.



