

# + **ELECTRONICS at CCSF** -

Are you the kind of person who:

Likes to work with their hands and their mind?

- Wants to be part of an advancing and dynamic industry?
- Doesn't want to do the same thing year after year?
- Enjoys finding out how things work?
- Wants to get satisfaction from his or her work?
- Enjoys inventing new things?



If you answered yes to any of these questions, you should consider a career in Electronics, and there is no place better to learn the art and science of electronics than the City College of San Francisco Engineering and Technology Department.

**The ET Department** prides itself with its hands on approach to learning. Every class has a laboratory component in which students learn to put into practice what they are learning in the lectures. Students get practice in the use oscilloscopes, Digital Voltmeters, Power Supplies, Signal Generators, Spectrum Analyzers, and more. Students will learn how to construct and troubleshoot various electronic circuits.

Why pay thousands of dollars learning electronics when you can take courses at City College for **\$20.00 per unit.**

All of our courses meet one evening per week. There is open Lab and Saturday mornings where students can spend additional time in the laboratory.

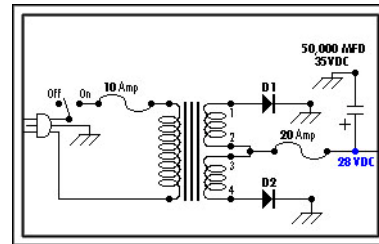
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For more information contact the following:  
Keith Mueller at Ocean Campus/Engineering Program Advisor (415) 452-4729  
CCSF Catalog online: <http://www.ccsf.edu/Catalog/cat.html>



The Engineering and Technology offers two Certificates in Electronics:

**Basic** and **Intermediate Electronics**. The Basic Electronics Certificate would be suitable for someone in a related field, such as Networking, who needs to learn the fundamental concepts of electricity and practices of Electronic Technology.



## Basic Electronics

Four courses that can be completed in two semesters.

- ET 50            Technical Math
- ELEC 101    Electronics I:            Electronics Measurements and Passive Circuits
- ELEC 102A   Electronics II:            Basic Active Analog Circuits and Measurements
- ELEC 102B   Electronics II:            Basic Digital Circuits and Measurements

Students who want to seek employment or are just plain curious can continue their learning and receive both the Basic and the Intermediate Certificates.

## Intermediate Electronics

- ELEC 103A   Electronics III:            Intermediate Analog Circuits and Measurements
- ELEC 103B   Electronics III:            Intermediate Digital Circuits and Measurements
- ELEC 104A   Electronics IV:            Analog Circuits and Digital Communications
- ELEC 104B   Electronics IV:            Micro-controller Interfacing

Students who complete 60 units and meet the General Education Requirements can use the seven classes above to receive an **Associate of Science Degree in Electronics Engineering Technology**.

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