

Electronics Technology

Electronics Engineering Technology Degree

Degree: Associate in Applied Science

Total Required Credits for Degree: minimum of 71

Program Requirements: 65

General Education Credits: 6*

Code: 3912

About the Program

The Electronics Technology program offers a two-year degree and one-year specialty certificates in the electronics field. The program also includes an Electronics Engineering Technology degree for transferring students. The degree program provides students with fundamentals of electricity and electronics, including digital electronics and microcomputers, specialized manufacturing electronics, industrial automation, and electronic communications. Curriculum emphasizes a hands-on approach to learning through projects to reinforce the theoretical material.

Program web site: www.cod.edu/electronics

Program Notes

1. When an A.A.S. degree in Electronics Technology is earned, some baccalaureate-granting schools will accept students as juniors. If, however, the institution believes your background preparation is deficient, it may take longer than two additional years to meet the requirements for the baccalaureate degree. Consult with a faculty adviser and the transfer institution catalog as soon as possible.
2. Under certain circumstances, some technical courses may be waived or substituted. Credit also can be earned by Credit by Proficiency Through an Instructor or Credit by Proficiency Through Registration. For more information, call the program coordinator, (630) 942-3390.
3. It is important to note that not all Electronics Technology classes are offered each semester. Check with your program adviser for recommendations when to enroll in program requirements.

Key First Semester Courses

Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1120	Electronic Documentation	2
Elect 1141	Digital Fundamentals	3

Program Requirements

Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1101	Circuits I	3
Elect 1102	Circuits II	4
Elect 1118	Calculus for Electronics	2
Elect 1120	Electronic Documentation	2

Elect 1130	Electronics Materials and Fabrication	2
Elect 1141	Digital Fundamentals	3
Elect 1151	Electronic Devices and Applications I	4
Elect 1152	Electronic Devices and Applications II	4
Elect 1161	Electronic Communication I	4
Elect 1162	Electronic Communication II	4
Elect 2255	Industrial Controls	3
CIS 1400	Programming Logic and Technique	4
Physi 1201	General Physics I	5
Physi 1202	General Physics II	5
Math 1431	Precalculus I	5
Math 1432	Precalculus II: Trigonometry	3
Engli 1101	English Composition I	3
Spec 1100	Fundamentals of Speech Communication	3
Total		65

*General Education Requirements

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. For the Electronics Engineering Technology degree, most General Education courses are already listed under program requirements. Therefore, students only need 6 General Education credits besides those listed under program requirements.

Use the *Student Planning Worksheet* or consult a list of General Education categories and courses for the A.A.S. degree to decide what needs to be taken. Links can be found on the Electronics Technology program guide (www.cod.edu/electronics).

Under the specified General Education headings below, the following courses are recommended for the Electronics Engineering Technology degree:

Communications: 6 credits required

Required courses: English 1101, Speech 1100 (already listed under Program Requirements)

Physical/Life Sciences: 3 to 5 credits required

Required courses: Physics 1201 and 1202 (already listed under Program Requirements)

Mathematics: 3 to 5 credits required

Required courses: Mathematics 1431 and 1432 (already listed under Program Requirements)

Humanities and Fine Arts: 3 credits required

Recommended course: See the *Student Planning Worksheet*.

Social and Behavioral Sciences: 3 credits required

Recommended course: See the *Student Planning Worksheet*.

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Additional A.A.S. Degree Requirements

A minimum of 2 credits must be completed from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.

Required course: CIS 1400 (already listed under Program Requirements)

Adviser

If you are considering this program as an area of study, consult with a faculty adviser in this field:

	Location	Phone
Branislav Rosul, coordinator E-mail: rosulb@cod.edu	TE 1052	(630) 942-3390