

Associates in Science

Electronics Engineering Technology (26039)

2015—2016

About the program...

The Electronics Engineering Technology program prepares students to work as technicians in various fields of electronic technology. Students will assemble, install, test and calibrate electronic instrumentation to conform with regulations and safety requirements. They will also acquire skills in preparing and interpreting schematic drawings and sketches, selecting, compiling and using technical information, analyzing and interpreting information from precision instruments.



You will learn...

- ◆ Analog and digital electronics
- ◆ Circuit fabrication
- ◆ Data communications and control systems
- ◆ Computer programming
- ◆ Computer network design and configuration
- ◆ Wireless Technologies
- ◆ Telecommunications

The Advantage of the degree

The Electronics Engineering Technology specialist work in R&D laboratories, maintenance workshops and service stations. They usually work in a team with engineers and support service to trouble shoot and calibrate equipment. The Electronics Engineering Technology degree provides students with the opportunity to work with illustrious companies, including Florida Power and Light, and the Federal Aviation administration, just to name a few.



Earn This Degree and Work as...

Position	Median Salary
Electronic Engineering Technician	\$57,850
Electro-Mechanical Technician	\$51,820
Avionics Technician	\$50,570

Source for position and salary information is the Department of Labor and Statistics 2012.

Program Code 26039 Associate in Science

Total credits required for the degree is 68.

The Electronics Engineering Technology program prepares students for work as technicians in various fields of electronics technology. No previous experience is required to enter. Courses offered cover basic and advanced electrical circuits, semi-conductors, integrated circuits, digital computer circuits, electrical machinery, communication systems, and industrial control. Theory and laboratory experience is provided.

MAJOR COURSE REQUIREMENTS—38 credits

Must take 34 credits from the following group

Course	Course Title	Credits
CET1110C	Digital Circuits	4
CET2123C	Microprocessors	4
EET1015C	Direct Current Circuits	4
EET1025C	Alternating Current Circuits	4
EET1141C	Electronics I	4
EET2101C	Electronics II	4
COP2270	"C" for Engineers	4
MAC1114*	Trigonometry	3
MAC1140*	Pre-Calculus	3

-AND-

Must take 4 credits from the following group

EET2323C	Analog Communications	4
CET2113C	Advanced Digital Circuits	4

Math/Science— 7 credits

MAC1105	College Algebra	3
PHY2053	Physics w/o Calculus	3
PHY2053L	Physics w/o Calculus Lab	1

Other Electives— 8 credits

Choose 8 credits from these electives under your advisor's guidance.

CET2113C	Advanced Digital Circuits	4
EET2323C**	Analog Communications	4
EET2351C**	Digital Communications	4
EET1082	Intro to Electronics	3
CET1171	Intro to Computer Service and Main.	3
CET1178C	A+ Computer Hardware Service	3

GENERAL EDUCATION REQUIREMENTS—15 credits required

ENC1101	English Composition I	3
SPC1017	Fundamentals of Speech Communication	3
PHI2604	Critical Thinking/Ethics	3
CLP1006	Psychology of Personal Effectiveness	3
Social Science Elective		

Computer Competency

CGS1060	Intro to Microcomputer Usage	0
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*Students can take MAC1147 in place of these two courses

**These classes will offer students the opportunity to seamlessly matriculate into the B.S. EET degree here at Miami Dade College. If you wish to find out more about our Bachelors degree, feel free to contact us at the information provided below.

The following schedule is based on students beginning in one of the major semesters (Fall or Spring) and following the suggested curriculum on a continuing basis as prescribed by the Faculty of the Department. Classes are offered in a sequence and cannot be taken out of place. Please note that some classes may not be offered every semester as well as some may not be offered in the Summer. It is highly recommended that you seek the advice of an Engineering department advisor and/or faculty member prior to starting.

First Term

14 Credits

EET1015C	Direct Current Circuits	4
COP2270	"C" for Engineers	4
MAC1105	College Algebra	3
ENC1101	English Composition I	3

Second Term

14 Credits

EET1025C	Alternating Current Circuits	4
CET1110C	Digital Circuits	4
MAC1114	Trigonometry	3
SPC1017	Fund. of Speech Comm.	3

Third Term

14 Credits

EET1141C	Electronics I	4
CET2113C	Advanced Digital Circuits	4
MAC1140	Pre-Calculus	3
CLP1006	Psychology of Personal Effectiveness	3

Fourth Term

14 Credits

EET2101C	Electronics II	4
CET2123C	Microprocessors	4
PHI2604	Critical Thinking/Ethics	3
Social Science Elective		3

Fifth Term

12 Credits

Elective 1		4
Elective 2		4
PHY2053	Physics w/o Calculus	3
PHY2053L	Physics w/o Calculus Lab	1

NOTE: Some classes have pre-requisite or co-requisite requirements which may or may not be listed on the program sheet. It is the students responsibility to find out which classes do have these said requirements and consult with the engineering advisor prior to starting the program.

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