EnTec | MIAMI DADE COLLEGE SCHOOL OF ENGINEERING + TECHNOLOGY

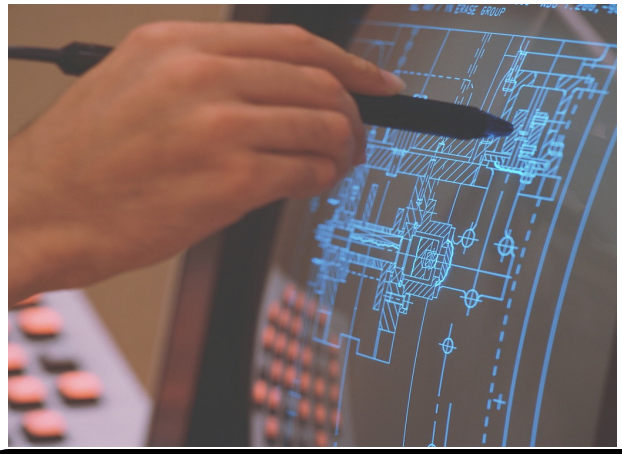
Bachelors of Science
Electronics Engineering Technology (S9100)
2015—2016

About the major

The Bachelor of Science in Electronics Engineering Technology (B.S.-EET) opens the door to a variety of technology related disciplines. The degree offers students practical, hands-on experience in engineering-related project management, teamwork and technical writing.
The B.S.-EET is designed to provide a seamless opportunity to attain a Bachelor's degree without losing transfer credits for A.S.-Electronics Engineering Technology students and for those who have completed an A.S. degree in Computer Engineering Technology.

Areas of Specialization

- Power systems
- Advanced Microprocessors
- Linear Integrated circuits
- Feedback control systems
- Programmable logic controllers
- Applied Robotics
- Digital Signal processing
- Advanced system analysis



The Advantage of the degree

The Electronics Engineering Technology degree allows students to tap into the burgeoning demand for engineers with four-year degrees, projected to increase at an annual rate of 21 percent in Florida. Graduates of the program will be prepared for careers in a variety of fields including Electronics engineers, Test engineers, Project engineers Quality control engineers and processing engineers. Our program is regionally accredited, affordable and classes are very conveniently located.

Earn This Degree and Work as...

Position	Median Salary
Telecommunications Engineer	**$84,000**
Electronics Engineer	**$89,630**
Computer Network Architect	**$91,000**
Computer Hardware Engineer	**$100,920**

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

Visit our Web site: http://entec.mdc.edu ◆ Call: (305) 237-1169 Email: engineering@mdc.edu

Electronics Engineering Technology ◇ Suggested Program Schedule

S9100
Bachelor of Science

Total credits required for the degree is 134.

The Electronics Engineering Technology program prepares students for work as Engineers 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.

NOTE: To successfully complete all the requirements for the B.S. EET degree, a student must comply with the following:

⇒ Student is required to have an AA, AS or minimum 60 credits to be eligible to enter the Bachelor program

⇒ All lower division Technology requirements must be completed before starting upper division coursework

⇒ A minimum major GPA of 2.0 in all engineering courses.

⇒ A minimum overall GPA of 2.0.

⇒ A minimum of 134 credits must be completed.

All other requirements as listed in the course catalog for the year that the student entered his/her program.

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 Fall/Spring basis as prescribed by the Faculty of the Department. 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 Semester		14 Credits
EET1015C	Direct Current Circuits	4
COP2270	"C" for Engineers	4
MAC1105	College Algebra	3
ENC1101	English Composition I	3

Second Semester		14 Credits
EET1025C	Alternating Current Circuits	4
CET1110C	Digital Circuits	4
MAC1114*	Trigonometry	3
SPC1017	Fund. of Speech Comm.	3

Third Semester		14 Credits
EET1141C	Electronics I	4
CET2113C	Advanced Digital Circuits	4
MAC1140*	Pre-Calculus	3
CLP1006	Psychology of Personal Effectiveness	3

Fourth Semester		14 Credits
EET2101C	Electronics II	4
CET2123C	Microprocessors	4
PHI2604	Critical Thinking/Ethics	3
Social Science Group B		3

Fifth Semester		13 Credits
EET2323C	Analog Communications	4
EET2351C	Digital Communications	4
MAC2311	Calculus 1	5

Sixth Semester		14 Credits
CET4663	Computer Security	3
ETI3671	Technical Economic Analysis	3
MAC2312	Calculus 2	4
PHY2053**	Physics w/o Calculus 1	3
PHY2053L**	Physics w/o Calculus 1 Lab	1

Seventh Semester		15 Credits
CET3126C	Advanced Microprocessors	4
ETS3543C	Programmable Logic Controllers	4
ENC1102	English Composition 2	3
PHY2054**	Physics w/o Calculus 2	3
PHY2054L**	Physics w/o Calculus 2 Lab	1

Eighth Semester		7 Credits
ETP3240	Power Systems	3
EET3716C	Advanced System Analysis	4
Language Requirement 1		
Language Requirement 2		

Ninth Semester		14 Credits
EET4165C	Senior Design I	3
EET4732C	Signals & Systems	4
EET3158C	Linear Integrated Circuits	4
Humanities Group B		3

Tenth Semester		15 Credits
EET4166C	Senior Design II	3
EET4730C	Feedback Control Systems	4
ETI4480C	Applied Robotics	4
CET4190C	Applied Digital Signal Processing	4

* MAC1147 can be substituted for these classes.
** PHY2048+L and PHY2049+L suggested

—Computer competency must be satisfied by 15th credit taken at college

—Language requirement must be completed prior to graduation

F O R F U R T H E R I N F O R M A T I O N

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