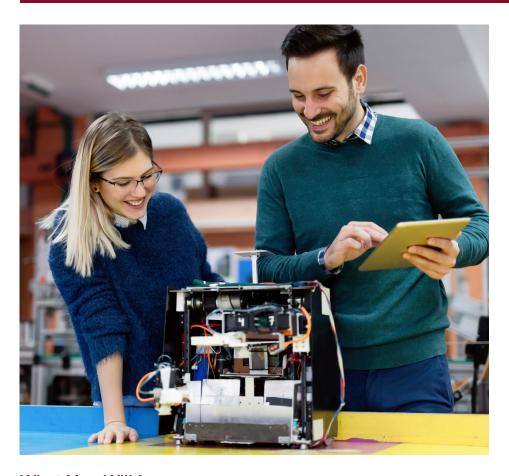
# COUNTY COLLEGE of MORRIS

# **Electronics Engineering Technology**



#### What You Will Learn

The Electronics Engineering Technology Program at County College of Morris (CCM) prepares students for positions in electronics industries and related electronics services. Job activities center on technical problem solving and the practical application of engineering. The Electronics Engineering Technology Program produces graduates that are employed and operate effectively in the positions of technicians, I.T. developers, equipment managers and quality control operators. It also produces graduates that can successfully transfer and complete a baccalaureate degree in electronics engineering technology.

# Why Study Electonics Engineering Technology At CCM?

The faculty that teach in the Electronics Engineering Program at CCM have many years of teaching and industry experience. The program has core electronic courses sequenced along with applied mathematics and science to develop a broad background in the technology. Each electronics course contains a

continued on back...

## **Career Opportunities**

The average starting salary for graduates with an Associate's degree in Electronics Engineering Technology is \$55,000 - \$65,000.

- Engineering Technician
- Control Automation/ Technician
- Information Technology Manager (IT)
- Quality Engineer
- Senior Technical Support Engineer
- Clinical Operations Manager
- Controls Engineer
- Health Technology Management

#### **Contact Information**

• Engineering Technology and Engineering Science Department

Advanced Manufacturing and Engineering Center, Room 104 973-328-5760

• **Professor Venancio Fuentes** Chairperson vfuentes@ccm.edu 973-328-5760

Curriculum Checksheet: www.ccm.edu/checksheets

Revised 7/20

CCM
COUNTY COLLEGE of MORRIS

laboratory which utilizes modern test instruments and applies classroom theory to practical applications. In the second year of study, students interested in health-related fields may select Biomedical Equipment options. In this option, students develop a specialization in equipment used in the healthcare industry, learning how to maintain and repair the equipment.

This program is through on campus learning between lectures and laboratory for students on high-end computers and equipment.

#### Accreditation

This program is accredited by the Engineering Technology Accreditation Commission of ABET.

www.abet.org

# **Scholarship Opportunities**

In addition to the general scholarships available at the college, Glenbrook Technologies, NDIA John Amerspek, NDIA Rodney Frelinghuysen, NDIA Dean Gallo, offer scholarships.

### Where You Can Go!

CCM offers cooperative education, a work-study program with local electronic firms for students in the biomedical option, cooperative education opportunities are available with Atlantic Health System. Further internships are with Mecca Electronics, BASF, Honeywell, and Siemens.



Electronics Engineering Technology Curriculum General Education Foundation (20/21 CR)			Biomedical Equipment Option Curriculum  General Education Foundation (20 CR)  COMMUNICATION (6 CR)								
						COMMUNICATION (6 CR)			English Composition I	ENG 111	3
						English Composition I	ENG 111	3	English Composition II	ENG 112	3
English Composition II	ENG 112	3									
			MATH/SCIENCE/TECHNOLOGY (3 CR)								
MATH/SCIENCE/TECHNOLOGY (3 CR)			Computer Science I	CMP 128	3						
Computer Science I	CMP 128	3									
			SOCIAL SCIENCE OR HUMANITIES (3 C	CR)							
SOCIAL SCIENCE OR HUMANITIES (3 CR) 3			Choose a Humanities or Social Science								
Choose a Humanities or Social Science elective from the General Education Course list (This course must also appear on the Diversity list)			elective from the General Education Course list. (This course must also appear on the Diversity list)		3						
			GENERAL EDUCATION (8 CR)								
GENERAL EDUCATION (8 CR)			Human Biology	BIO 133	4						
Precalculus	MAT 123	4	Precalculus	MAT 123	4						
Mathematics Elective		4									
			ELECTRONICS ENGINEERING TECH								
<b>ELECTRONICS CORE (40 CR)</b>			<b>Biomedical Equipment Option Core</b>	` ,							
Circuit Analysis DC/AC	ELT 100	3	Circuit Analysis DC/AC	ELT 100	3						
Circuit Measurement	ELT 102	1	Circuit Measurement	ELT 102	1						
Active Circuit Components	ELT 115	3	Active Circuit Components	ELT 115	3						
Digital Principles	ELT 110	3	Biomedical Electronics	ELT 200	3						
Advanced Digital and Microprocessors	ELT 209	4	Advanced Digital and Microprocessors	ELT 209	4						
Electronic Fabrication	ELT 210	1	Electronic Fabrication	ELT 210	1						
Active Circuit Design	ELT 213	4	Active Circuit Design	ELT 213	4						
Industrial Electronics	ELT 215	4	Industrial Electronics	ELT 215	4						
Electronic Communications Systems	ELT 231	4	Digital Principles	ELT 110	3						
Computer-Aided Drafting I	ENR 117	2	Biomedical Clinical Experience	ELT 227	3						
Intro to Exp and Design	ENR 132	3	Electronic Communications Systems	ELT 231	4						
Technical Physics I	PHY 111	4	Intro to Exp[ and Design	ENR 132	3						

Note: You must see a faculty advisor to plan your sequence of courses. For the most up-to-date listing of courses, see the Curriculum Checklist for this program on the CCM website at www.ccm.edu/checksheets.

60

PHY 112

Technical Physics II

TOTAL

Technical Physics I

**TOTAL** 

PHY 111

4

**60**