Electrical Engineering Technology A.A.S.

BECOME AN ESSENTIAL PART OF ANY ENGINEERING TEAM. Monroe Community College’s Electrical Engineering Technology program delivers the comprehensive learning experiences you need to start a rewarding career as an electrical engineering technician. You’ll not only learn the theories and applications of electronics, but you’ll also learn the importance of teamwork and critical thinking that will make you invaluable to high-tech employers. Your classroom and lab experience will be led by accomplished MCC professors who know what employers are looking for in new hires.

PROGRAM DESCRIPTION
This career-oriented program will help you become a fully-qualified electrical/electronics technician. Your coursework and labs will encompass electronic instrumentation, controls, circuitry, troubleshooting and repair of equipment. You will also learn how to translate engineering designs into projects, conduct test procedures, and prepare technical reports for engineering or sales teams.

Students have also successfully transferred to baccalaureate programs in electrical, computer, or telecommunications engineering technology. Talk to an academic advisor if this is your goal.

CURRICULUM OVERVIEW
Please note: Courses are subject to change. See an academic advisor for the most current curriculum requirements.

FIRST SEMESTER:
ENG 101 College Composition OR ENG 200 Advanced Composition
ELT 101 Electric Circuit Analysis I OR ELT 121 AC/DC Circuit Analysis
ELT 111 Introduction to Digital Electronics
MATHEMATICS ELECTIVE†
TEK 101 Computer Applications for Technicians

SECOND SEMESTER
MATHEMATICS ELECTIVE†
PHY 145 College Physics I
ELT 102 Electric Circuit Analysis II
ELT 112 Linear Circuits

THIRD SEMESTER
ELT 201 Linear Systems
ELT 202 Pulse and Digital Circuits
MATHEMATICS ELECTIVE†
PHL 105 Technology and Values

FOURTH SEMESTER
ELT 204 Industrial Electronics and Control
ELT 205 Communications Systems
ELT 206 Digital Systems and Microprocessors
SOCIAL SCIENCE ELECTIVE

TOTAL CREDITS 64

*This program is accredited by ETAC-ABET (Engineering Technology Accreditation Commission of the Accreditation Board for Engineering Technology, Inc.).
†MATHEMATICS ELECTIVE SEQUENCES: MTH 140/141/175; MTH 165/175/210 or as recommended by department advisor.
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Start your career with employers like these:
- Gleason Works
- Time Warner Cable
- L-3 Communications
- ITT Gould Pumps
- Harris Corp
- Entercom Communications Corp

Your job title could be:
- Electrical Engineering Technician/Technologist
- Electronic Drafter
- Electrical and Electronics Repairer (Commercial and Industrial)
- Telecommunications Equipment Installer
- Electro-Mechanical Technician

Average starting salary: $44,400 per year.

A STRONG START—ACADEMICALLY AND FINANCIALLY!
MCC’s low tuition ($2,050 per semester) plus financial aid opportunities help make a high-quality education affordable. You could qualify for federal grants, workforce grants, scholarships, and more. Visit www.monroec.edu/go/finaid or call 585.292.2050.

AMONG THE BEST COMMUNITY COLLEGES
MCC is part of the State University of New York (SUNY) and recognized as being among the 19 most innovative community colleges in the United States as a member of the League for Innovation in the Community College. The League’s members demonstrate educational leadership in academics, technology, workforce development, and administration.

FIND OUT MORE
To learn more about MCC, visit us on the web at www.monroec.edu. Apply today at admissions.monroec.edu or contact the Admissions Office at 585.292.2200 to schedule a visit.