

# ELECTRONICS

## Looking for an Exciting and Rewarding Electronics Technician Position?

MCC  
ENGINEERING  
TECHNOLOGIES  
DEPARTMENT

### ***ELECTRICAL ENGINEERING TECHNOLOGY A.A.S DEGREE PROGRAM***

#### **Program Information**

##### **Job Possibilities:**

Function as a technically qualified electrical/electronics technician, fully capable of working with electrical, electronic, instrumentation, communication, control, and digital computer systems.

##### **Program Description:**

The Electronics curriculum provides the technical depth, breadth, and general education for a career in electronics design, manufacturing, sales or service. Individual attention and extensive hands-on laboratory experience provide a balance of the practical and theoretical aspects of electronics. This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC/ABET). The A.A.S. ELT graduate can choose to go to work, or to transfer to the junior year of a Bachelor of Science in Electrical Engineering Technology program. You will spend considerable classroom hours learning how to analyze and design a wide variety of electronics circuits and systems. You will also log many hours of laboratory time, during which you will work with state-of-the-art industrial grade equipment.

#### **We Offer a Technical Program Just For You!**

With programs in Electrical, Mechanical, Optical, and Construction Tech at MCC we have just the right 2-yr A.A.S or certificate program for your future career!

Monroe Community College  
Engineering Technologies Dept.  
1000 East Henrietta Rd.  
Rochester, NY 14623

THERE'S MORE TO YOU.  
THERE'S MORE TO MCC.

[www.monroecc.edu/go/et](http://www.monroecc.edu/go/et)

#### **Contact Information:**

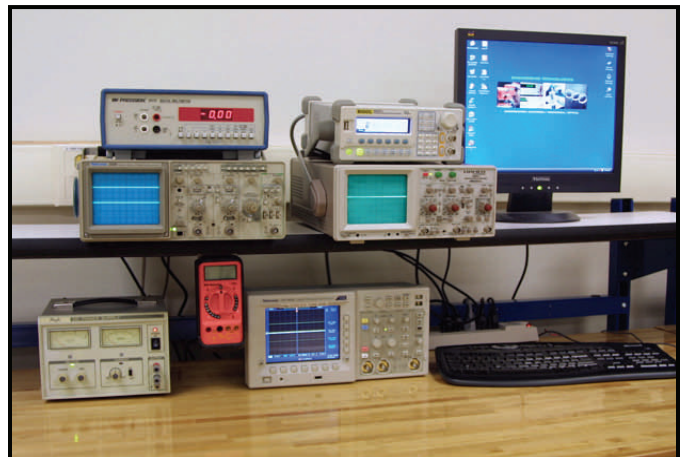
Engineering Technologies  
Department Secretary  
Phyllis Clair: 585 292 2002

Electrical Eng. Technology Program Coordinator: Frank Ambrosio  
Email: [fambrosio@monroecc.edu](mailto:fambrosio@monroecc.edu)

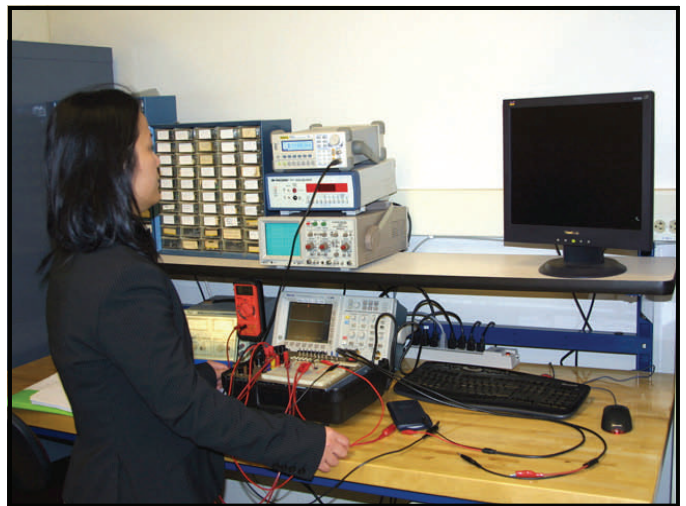
# ELECTRICAL TECHNOLOGY

## ELECTRICAL ENGINEERING TECHNOLOGY A.A.S DEGREE PROGRAM Course Listing

<b>FIRST SEMESTER</b>	
ENG 101 College Composition <b>OR</b> ENG 200 Advanced Composition	3
PHY 131 Applied Physics I	4
ELT 101 Electric Circuit Analysis I <b>OR</b> ELT 121 AC/DC Circuit Analysis***	4
ELT 111 Electronic Technology I	3
MATHEMATICS ELECTIVE*	3
TEK 101 Computer Applications for Technicians**	2
<b>Total</b>	<b>19</b>
<b>SECOND SEMESTER</b>	
MATHEMATICS ELECTIVE*	3-4
PHY 132 Applied Physics II	4
ELT 102 Electric Circuit Analysis II***#	5
ELT 112 Electronic Technology II	5
Physical/Health Education	1
<b>Total</b>	<b>18-19</b>
<b>THIRD SEMESTER</b>	
ELT 201 Linear Circuits	4
ELT 202 Pulse and Digital Circuits	4
ENG 251 Technical Writing	3
MATHEMATICS ELECTIVE*	3-4
PHL 105 Technology and Values	3
Physical/Health Education	1
<b>Total</b>	<b>18-19</b>
<b>FOURTH SEMESTER</b>	
ELT 204 Industrial Electronics and Control	4
ELT 205 Communications Systems	5
ELT 206 Digital Systems and Microprocessors	5
SOCIAL SCIENCE ELECTIVE	3
<b>Total</b>	<b>17</b>
<b>TOTAL CREDITS</b>	<b>72-74</b>



**ELECTRONICS WORKBENCH**



**NEW ELECTRONICS LAB IN BUILDING 9**

\* MATHEMATICS ELECTIVES should be selected with guidance from faculty advisors. Those who are not considering transfer to an upper division program will probably take the MTH 140/141/175 technical math sequence. Those contemplating transfer (and having a good math background) can fulfill their math requirement with the MTH 165/175/210 transfer math sequence. Students who are not proficient in algebra and trigonometry should consult a math advisor about taking MTH 135, MTH 098, MTH 104 and/or MTH 112 in preparation for the required technical math or transfer math sequence.

\*\* MTH 137 completed prior to September 1, 1995 will substitute for TEK 101.

\*\*\* A specific calculator is required for ELT courses. Certain math courses recommend or require a specific calculator. Contact the department for details.

# ELT 101 or ELT 121 may serve as the prerequisite.

NOTE: Students in "2+2" Agreements should meet with their faculty advisor to make certain the courses they have selected meet the requirements of the college to which they plan to transfer.