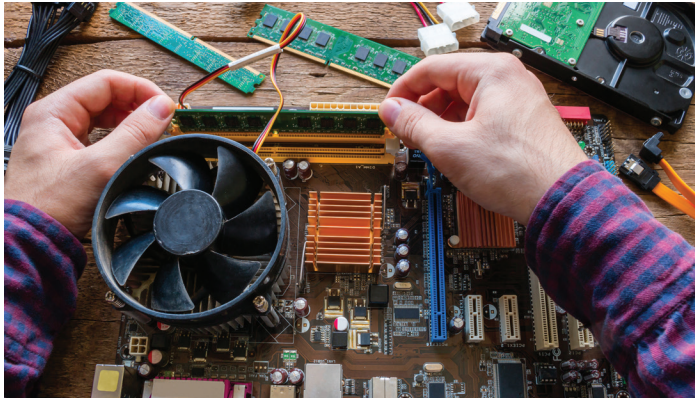


# Electronic Engineering Technology

PROGRAM CODE: 10-605-7



Associate Degree



COURSE	CREDITS
<b>JOB READY</b>	
<b>QETECH-200</b> Fundamentals of Engineering .....	3
<b>ELCTEC-110</b> DC/AC Electronics 1 ‡ ^ .....	4
<b>ELCTEC-130</b> Digital Electronics ‡ ^ .....	3
<b>ENG-195</b> Written Communication ‡ (or) ENG-201 ‡ .....	3
<b>MATH-115</b> College Technical Mathematics 1 ‡ ^ .....	5
(or) MATH-230 ‡ (or) MATH-231 ‡	
<b>PSYCH-199</b> Psychology of Human Relations (or) PSYCH-231 .....	3
<b>ELCTEC-111</b> DC/AC Electronics 2 ‡ ^ .....	3
<b>ELCTEC-120</b> Electronic Devices ‡ ^ .....	4
<b>ELCTEC-140</b> Microprocessors ‡ ^ .....	3
<b>MATH-116</b> College Technical Mathematics 2 ‡ .....	4
(or) MATH-231 ‡ (or) MATH-232 ‡	
<b>ELCTEC-121</b> Electronic Devices Advanced ‡ .....	3
<b>ELCTEC-150</b> Data Communications and Networking ‡ .....	3
<b>ELCTEC-196</b> PLC Systems Basic ‡ .....	3
<b>ENG-197</b> Technical Reporting ‡ .....	3
(or) Any 200-level ENG or SPEECH course	
<b>ELCTEC-131</b> Advanced Digital Electronics ‡ (or) ELCTEC-198 ‡ .....	3
<b>ELCTEC-141</b> Microcontrollers ‡ .....	3
<b>ELCTEC-176</b> Computer Networks ‡ .....	3
<b>ELCTEC-195</b> Motors and Controls ‡ .....	4
<b>ELECTIVE</b> (One credit) .....	1
<b>SOCSCI-197</b> Contemporary American Society (or) SOCSCI-203 .....	3

**Location:** West Allis Campus

**Start Dates:** August and January

**Admission Requirement:** High school diploma or GED, one year of high school-level geometry and one year of high school-level algebra, or equivalent.

**Transfer:** Will transfer to one or more four-year institutions

**Financial Aid Eligible:** Yes.

Apply at [fafsa.gov](https://fafsa.gov). Use School Code 003866.

### Program Description

Gain the expertise for professional testing/repair positions in the electronics field. If you are interested in continuing your education to pursue a Bachelor of Science Electrical Engineering degree at Milwaukee School of Engineering (MSOE), select the MSOE-BSEE Transfer courses.

### Career Outlook

Technicians assist engineers and producers of electronic equipment and systems and are part of a fast-growing career area.

### Program Learning Outcomes

Apply electronic theory to practice, operate test equipment and build electronic circuits and systems.

‡ Prerequisite required. Program curriculum requirements are subject to change.

^ Counts toward earning the Electronics Technician Fundamentals technical diploma.

**Current MATC students should consult their Academic Program Plan for specific curriculum requirements.**

Official WTCS program title: Electronic Systems Technician.



**Complete Program Details**

**QUESTIONS?** 414-297-6319 or [stempathway@matc.edu](mailto:stempathway@matc.edu)

### CREDITS

Total credits needed to complete this degree

**64**

### MSOE-BSEE TRANSFER\*

<b>QETECH-200</b> Fundamentals of Engineering .....	3
<b>ELCTEC-110</b> DC/AC Electronics 1 ‡ ^ .....	4
<b>ELCTEC-130</b> Digital Electronics ‡ ^ .....	3
<b>ENG-201</b> English 1 ‡ .....	3
<b>PSYCH-231</b> Introductory Psychology .....	3
<b>ELCTEC-111</b> DC/AC Electronics 2 ‡ ^ (or) ELCTEC-116 ‡ .....	3
<b>ELCTEC-120</b> Electronic Devices ‡ ^ (or) ELCTEC-118 ‡ .....	4
<b>ELCTEC-140</b> Microprocessors ‡ ^ (or) ELCTEC-119 ‡ .....	3
<b>SOCSCI-203</b> Introduction to Sociology .....	3
<b>PHYS-274</b> Calculus-Based Physics 1 ‡ .....	4
<b>ELCTEC-105</b> DC/AC 3 Advanced Circuits ‡ .....	3
<b>ELCTEC-121</b> Electronic Devices Advanced ‡ .....	3
<b>ELCTEC-195</b> Motors and Controls ‡ .....	4
<b>ELCTEC-196</b> PLC Systems Basic ‡ .....	3
<b>ENG-208</b> Technical Communications ‡ .....	3
<b>MATH-231</b> Analytic Geometry and Calculus 1 ‡ .....	5
<b>ELCTEC-106</b> Advanced Electronics Analysis ‡ .....	3
<b>ELCTEC-141</b> Microcontrollers ‡ .....	3
<b>ELCTEC-150</b> Data Communications and Networking ‡ .....	3
<b>ELECTIVES</b> (Five credits) .....	5
<b>MATH-232</b> Analytic Geometry and Calculus 2 ‡ .....	5

### CREDITS

Total credits for MSOE-BSEE transfer program

**\*73**