



Wayne
County
Community
College
District

Electrical Electronics Engineering Technology: Computer Technology

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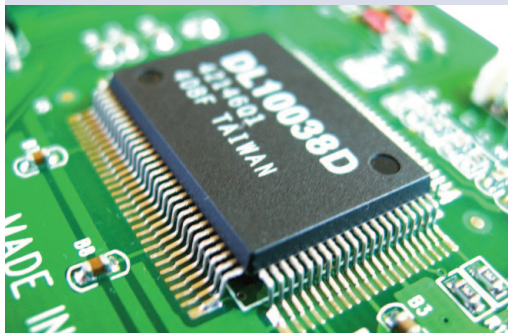
The median annual wage for mechanical engineering technologists and technicians was \$58,230 in May 2020.

JOB OUTLOOK

Employment of mechanical engineering technologists and technicians is projected to grow 6 percent from 2020 to 2030, about as fast as the average for all occupations. About 4,000 openings for mechanical engineering technologists and technicians are projected each year, on average, over the decade. Many of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, September 2021, Mechanical Engineering Technologists and Technicians, on the Internet at <https://www.bls.gov/ooh/architecture-and-engineering/mechanical-engineering-technicians.htm>

Approved by the Federal Aviation Administration (FAA) as a Technical Operations Collegiate Training Initiative (CTI) Program.



ABOUT THE PROGRAM

The Electrical Electronics Engineering Technology, Computer Technology, Associate of Applied Science degree program prepares students for several IT industry careers by providing in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance, and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. This program helps students prepare for CompTIA's A+ certification, Microsoft Certified System Engineer, and Microsoft Certified Systems Administrator exams.



WHAT DO ELECTRICAL ELECTRONICS COMPUTER TECHNICIANS DO?

Electrical and electronic engineering technicians help engineers design and develop computers, communications equipment, medical monitoring devices, navigational equipment, and other electrical and electronic equipment. They often work in product evaluation and testing, using measuring and diagnostic devices to adjust, test, and repair equipment.

WHERE DO THEY WORK?

Electrical and electronic engineering technicians work closely with electrical engineers. They work primarily in manufacturing settings, research and development laboratories, and utilities.

**Wayne County Community College District....
Jobs for Today, Jobs for the Future!**

**FOR MORE INFORMATION, CALL 313-496-2600
OR VISIT OUR WEBSITE AT WWW.WCCCD.EDU**

Recommended Sequence of Courses

Electrical Electronics Engineering Technology:

Computer Technology Associate of Applied Science (A.A.S.)

CR. No.	COURSE TITLE	CREDITS
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SEMESTER 1

CT 203	Digital Logic I	4
EE 101	Circuit Analysis I	4
EE 105	Electronics Fabrication and Design	2
EE 107	Mathematics for Electrical/ Electronics I	4
ENG 119	English I	3
SEMESTER TOTAL		17

SEMESTER 2

CT 205	Introduction to Microprocessors . .	4
EE 102	Circuit Analysis II	4
EE 115	Mathematics for Electrical/ Electronics II	4
EE 111	Solid State Fundamentals	3
SEMESTER TOTAL		15

SEMESTER 3

CT 207	Digital Logic II	3
CT 209	Computer Repair I - CompTIA A+	4
CIS 240	Networking Essentials	3
ENG 134	Technical Communications	3
SEMESTER TOTAL		13

SEMESTER 4

CT 211	Computer Networking I	4
EE 205	Linear Integrated Circuits	2
Elective:	Natural Science Elective	3
PS 101	American Government	3
SEMESTER TOTAL		12

SEMESTER 5

CT 213	Computer Networking II	4
PHY 235	General Physics I	4
SEMESTER TOTAL		8

EEE: COMPUTER TECHNOLOGY

PROGRAM TOTAL65

*Note: Program total hours may not include prerequisites.
Students may substitute MAT 155 and MAT 156 for
EE107 and EE 115.*

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