



Wayne
County
Community
College
District

Electrical Electronics Engineering Technology: Computer Technology

PAY

The median annual wage for mechanical engineering technicians was \$53,910 in May 2015.

JOB OUTLOOK

Employment of mechanical engineering technicians is projected to grow 2 percent from 2014 to 2024, slower than the average for all occupations. Nevertheless, there should be opportunities for those who can master new software and technology, as well as traditional manual skills.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Mechanical Engineering Technicians, on the Internet at <http://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.

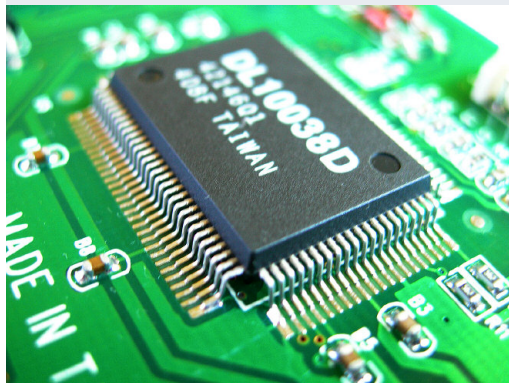


WHAT DO ELECTRICAL ELECTRONICS COMPUTER TECHNICIANS DO?

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 |
|---------|--------------|---------|
|---------|--------------|---------|

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 | Alternate Current Fundamentals | 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 |
| TCM 200 | Introduction to Telecommunications | 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.

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