



Wayne
County
Community
College
District

Bio-Medical Equipment Repair Technology

PAY

In May 2019, the median annual wages for medical equipment repairers in the top five industries in which these repairers worked were as follows:

- Hospitals; state, local, and private \$59,500
- Electronic and precision equipment repair and maintenance \$50,360
- Professional and commercial equipment and supplies merchant wholesalers \$50,270
- Ambulatory health care services \$46,990
- Rental and leasing stores \$35,230

JOB OUTLOOK

Employment of medical equipment repairers is projected to grow 4 percent from 2018 to 2028, about as fast as the average for all occupations. Greater demand for healthcare services and the use of increasingly complex medical equipment will drive employment growth. Those who have an associate's degree in biomedical equipment technology or engineering should have the best job opportunities.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, April, 2020, Medical Equipment Repairers, on the Internet at <http://www.bls.gov/ooh/installation-maintenance-and-repair/medical-equipment-repairers.htm>



ABOUT THE PROGRAM

The Associate of Applied Science Program in Bio-Medical Equipment Repair Technology is designed to provide students with in-depth knowledge of high technology equipment used in hospitals, clinics and in the offices of medical doctors. Health care facilities today depend heavily on technology to diagnose, monitor and treat diseases. The equipment and technology utilized are intended to improve the quality of healthcare. The students in the program will benefit by gaining skills making them competitive in the employment market as trends continue to require more technological training in the healthcare field.



WHAT DO BIO-MEDICAL REPAIR TECHNOLOGISTS DO?

Bio-medical equipment repair technologists have tasks that include functional and safety inspections, preventive maintenance, calibration, troubleshooting, equipment repair, and the training of hospital personnel in the safe and proper use of the equipment.

WHERE DO THEY WORK?

Students who receive an Associates of Applied Science in Bio-Medical Equipment Repair Technology can immediately seek employment in hospital settings, commercial and wholesale medical equipment suppliers, equipment repair companies and ambulatory health care services. Students can also work under the supervision of biomedical engineers to assist with the design and manufacturing of new technologies in medical equipment.

**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

Bio-Medical Equipment Repair Technology:

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

CR. No.	COURSE TITLE	CREDITS
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SEMESTER 1

EE 101	Circuit Analysis I	4
EE 107	Math for E/E I	4
CT 203	Digital Logic I	4

SEMESTER TOTAL12

SEMESTER 2

EE 102	Circuit Analysis II	4
EE 111	Solid State Fundamentals	3
EE 115	Math for E/E II	4
CT 205	Introduction to Microprocessors . .	4

SEMESTER TOTAL15

SEMESTER 3

BIO 240	Anatomy and Physiology I	4
CT 209	Computer Repair I – CompTIA A+ .	4
EE 205	Linear Integrated Circuits	2

SEMESTER TOTAL10

SEMESTER 4

BET 110	Bio-Medical Instrumentation and Safety I	3
ENG 119	English I	3
CT 211	Computer Networking I	4

SEMESTER TOTAL10

SEMESTER 5

ENG 134	Technical Communication	3
BET 210	Bio-Medical Instrumentation and Safety II	3
BET 240	Bio-Medical Equipment Repair Technology Practicum I	3

SEMESTER TOTAL9

SEMESTER 6

PS 101	American Government	3
BET 250	Bio-Medical Equipment Repair Technology Practicum II	3

SEMESTER TOTAL6

A.A.S. PROGRAM TOTAL62

Note: Program total hours may not include prerequisites.

