

BIOMEDICAL CLINICAL EQUIPMENT TECHNICIAN, ASSOCIATE OF APPLIED SCIENCE



Program Information

Are you a hands-on individual with a knack for technology? If so, dive into an exciting future with San Jacinto College's Biomedical Clinical Equipment Technician program! As a vital part of the health care industry, biomedical clinical equipment technicians ensure that life-saving medical devices operate flawlessly. This program equips you with the skills to repair, replace, test, and maintain sophisticated medical equipment like patient monitors, defibrillators, and medical imaging devices. Here's what makes our program stand out:

- **Cutting-Edge Training:** Gain expertise in the latest computer and electronics technology essential for operating and repairing today's advanced medical equipment.
- **Foundational Knowledge:** Start with an Occupational Certificate that lays the groundwork for understanding the intricacies of medical equipment and electronics.
- **Comprehensive Skill Development:** Master the art of repairing and replacing parts, testing and calibrating equipment, performing preventative maintenance, managing inventory, and conducting training sessions.

Join us to become a crucial player in the medical field, ensuring that health care professionals have the reliable tools they need to save lives!

Career Opportunities

Launch your career into high gear with endless opportunities as a biomedical clinical equipment technician! With an associate degree and two years of experience under your belt, you can become a Certified Biomedical Equipment Technician (CBET) through the Association for the Advancement of Medical Instrumentation (AAMI). This certification opens doors to exciting roles in hospitals, clinics, private companies, and even military settings. Imagine being at the forefront of health care innovation, where your expertise ensures that cutting-edge medical devices function seamlessly. Whether you dream of working in bustling urban hospitals or contributing to global health by servicing equipment in remote areas, this career path offers diverse opportunities to make a real impact. Step into a future where your technical skills directly contribute to enhancing patient care and safety. Your journey starts here at San Jacinto College—where passion meets purpose!

Earning Potential

Medical Equipment Repairer: \$57,069 per year¹

¹ Source: texaswages.com (<http://texaswages.com>), median salary Gulf Coast region, 2023

For more information, students may contact 281-998-6350, x3587.

Campus

South Campus

Information

Biomedical Clinical Equipment Technician Program

Are you ready to embark on an exciting career that combines your passion for technology with the vital field of health care? The Biomedical Clinical Equipment Technician program at San Jacinto College is your gateway to a rewarding profession that ensures the smooth operation of essential medical equipment.

Why Choose This Program?

The demand for skilled biomedical clinical equipment technicians is on the rise, driven by the increasing complexity of medical technologies and the growing health care industry. By enrolling in our program, you will gain both theoretical knowledge and practical skills necessary to excel in this field. Here's what you can expect:

- **Hands-On Training:** Our curriculum is designed to provide you with real-world experience. You'll learn to repair, replace, test, calibrate, and maintain sophisticated medical equipment such as patient monitors and defibrillators.
- **Career Opportunities:** Graduates are well-prepared for roles in hospitals, clinics, private companies, and even the military. With an associate degree and two years of work experience, you can become a Certified Biomedical Equipment Technician (CBET) through the Association for the Advancement of Medical Instrumentation (AAMI).
- **Stackable Credentials:** Start with an Occupational Certificate to build a solid foundation in medical equipment operation and repair. Progress through the Certificate of Technology and Level 2 Certificate to gain specialized expertise and internship opportunities. These credentials lead directly to an Associate of Applied Science (AAS) degree.

Program Highlights

- **Comprehensive Curriculum:** Courses cover applied biomedical equipment technology, safety in health care facilities, electricity principles, medical circuits troubleshooting, and more.
- **Continuing Education:** Stay ahead in this ever-evolving field with opportunities for continuing education to keep your skills up-to-date.
- **Global Impact:** Beyond local opportunities, technicians can contribute globally by servicing equipment in underserved areas, enhancing health care delivery worldwide.

Exciting Career Prospects

Biomedical clinical equipment technicians are unsung heroes in health care settings. They ensure that critical medical devices function correctly, directly impacting patient care quality. With a projected increase in demand for these professionals, now is the perfect time to join this dynamic field.

Join Us Today!

San Jacinto College offers a vibrant learning environment with state-of-the-art facilities and experienced faculty dedicated to your success. Whether you're just starting or looking to advance your career, our program equips you with the skills needed to thrive in the biomedical technology industry. Take the first step towards a fulfilling career that makes a difference. Enroll in San Jacinto College's Biomedical Clinical Equipment Technician program today!

Plan of Study

3BIOMD-CET

First Term		Credits
BIOM 1309	Applied Biomedical Equipment Technology	3
BIOM 2301	Safety in Health Care Facilities	3
CETT 1302	Electricity Principles	3
ITNW 1325	Fundamentals of Networking Technologies	3
ITSC 1309 or BCIS 1305	Integrated Software Applications I or Business Computer Applications	3
Credits		15
Second Term		
BIOM 1315	Medical Equipment Networks	3
BIOM 1341	Medical Circuits Troubleshooting	3
BIOM 1350	Diagnostic Ultrasound Imaging Systems	3
BIOM 1355	Medical Electronic Applications	3
BIOM 2311	General Medical Equipment I	3
Credits		15
Summer Year One Term		
BIOM 2389	Internship - Biomedical Technology/ Technician	3
Credits		3
Third Term		
BIOM 2319	Fundamentals of X-Ray and Medical Imaging Systems	3
BIOM 2315	Physiological Instruments I	3
BIOM 2343	General Medical Equipment II	3
ENGL 1301	Composition I	3
Social and Behavioral Sciences or Government/Political Science or American History		3
Credits		15
Fourth Term		
ENGL 2311 or ENGL 1302	Technical and Business Writing or Composition II	3
Select one of the following:		3
SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Speech	
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
Select one of the following:		3
MATH 1314	College Algebra	
MATH 1332	Contemporary Mathematics (Quantitative Reasoning)	

Life and Physical Science

Credits	12
Total Credits	60

Capstone Experience: BIOM 2343 General Medical Equipment II