

Unit Operational Plan

Due March 22nd, 2024

2024-2025

Name of Unit: Biomedical Equipment Technology

Mission Statement:

The Mission of the Biomedical Equipment Technology Option at Jefferson State Community College is to prepare students to enter the field of medical equipment repair as competent, entry-level technicians. This option exists to supply the medical industry with qualified technicians that will maintain, calibrate and repair the equipment found in medical facilities and other areas that might require medical equipment repair. We are committed to accomplishing this mission while assisting students to achieve their goals.

Unit Goals

Unit Goals	Unit Outcome	Institution Strategic Plan	Fundamental Principles
Strongly promote and market the Jefferson State Community College Biomedical Equipment Technology Program Option (both conventional and online) to be recognized as one of the premier providers of Biomedical Equipment Technology education in the southeast region.	Build and maintain strong, thriving relationships with our service area industry partners and secondary educational institutions. Program Satisfaction: At least 70% of graduates surveyed will report satisfaction with educational preparation.	I.A.2 - Improve alignment of industrial programming with local businesses and industry. II.B - Support the continued growth and enrollment of Dual Enrollment students and programs.	FP 2.5 - Dual enrollment programs that allow qualified high school students to earn credits for a high school diploma and/or a postsecondary degree. FP 2.6 - Distance learning programs and classes that promote accessibility through new technologies. FP 5.1 - Training for Business and Industry / Workforce Development courses, certificates, and other activities that respond to individual and corporate needs, with particular emphasis on the local labor market.

<p>Retain and maintain quality full-time and part-time faculty to ensure that students successfully reach their educational goals</p>	<p>Enhance faculty expertise in curriculum-applicable technologies, subject matter and teaching skills through professional development opportunities.</p>	<p>IV.B - Increase opportunities for professional development for all employees</p>	<p>FP 4.3 - A working environment that supports employee wellness and job satisfaction.</p> <p>FP 4.4 - Continual improvement through ongoing evaluation and advocacy of innovation in teaching and learning</p>
<p>Maintain and update student <u>laboratory spaces</u> (physical and online) as well as the instructional and training equipment contained within the <u>laboratories</u>.</p>	<p>Ensure optimal functionality and relevance of student laboratories, which will foster enriched, time-relevant learning experiences. provide high-quality, time-relevant campus laboratory experiences.</p>	<p>III.B - Continue to improve aesthetics and infrastructure at all campuses.</p> <p>II.A - Increase the Fall-to-Fall Retention Rate</p>	<p>FP 2.6 - Distance learning programs and classes that promote accessibility through new technologies.</p> <p>FP 3.1 - A friendly and stimulating atmosphere that is conducive to both formal and informal learning and to cross-cultural awareness.</p> <p>FP 3.2 - Physical facilities, technological resources and other resources that promote learning.</p>
<p>Ensure that faculty and students have access to up-to-date <u>computer technology</u> and <u>other classroom technology resources</u> to achieve course and program outcomes</p>	<p>Keep classroom instruction and PC technology current as supported by the college's IT department.</p>	<p>III.B - Continue to improve aesthetics and infrastructure at all campuses.</p> <p>II.A - Increase the Fall-to-Fall Retention Rate</p>	<p>FP 3.2 - Physical facilities, technological resources and other resources that promote learning.</p> <p>FP 4.3 - A working environment that supports employee wellness and job satisfaction.</p>

Unit Operational Plan for 2024-2025

1. **Goals** – The activities through which the outcome will be achieved. Each Unit Outcome should have at least one goal.
2. **Method of Assessment** – How the unit will determine if the objective has been met.
3. **Funding/Rationale** – Provide an estimate of the cost of achieving the objective. Also, include a description of how these funds will be used to accomplish the objective.

Unit Goals	Unit Outcome	Assessment	Funding/Rationale
<p>Strongly promote and market the Jefferson State Community College Biomedical Equipment Technology Program Option (both conventional and online) to be recognized as one of the premier providers of Biomedical Equipment Technology education in the southeast region.</p>	<p>Build and maintain strong, thriving relationships with our service area industry partners and secondary educational institutions.</p>	<p>Student Satisfaction - 70% of graduates surveyed will report satisfaction with educational preparation.</p> <p>Employer Satisfaction - 70% of employers surveyed will indicate that graduates were adequately prepared for entry-level positions.</p>	<p>No funding necessary - Use existing college internal resources to perform and analyze student and industry surveys</p>
<p>Retain and maintain quality full-time and part-time faculty to ensure that students successfully reach their educational goals.</p>	<p>Enhance faculty expertise in curriculum-applicable technologies, subject matter and teaching skills through professional development opportunities.</p>	<p>Obtain feedback from students via post-graduation student evaluations.</p>	<p>Salary per appropriate salary schedule to hire and/or maintain full-time and part-time instructors as needed based on class loads.</p> <p>\$3200: Association for the Advancement of Medical Instrumentation (AAMI) Conference, Long Beach, CA June 2024 – Conference Fees: \$1100, Travel/Living: \$1400.</p> <p>\$741: Association for the Advancement of Medical Instrumentation (AAMI) Institutional Membership.</p>

<p>Maintain and update student <u>laboratory spaces</u> (physical and online) as well as the instructional and training equipment contained within the <u>laboratories</u></p>	<p>Ensure optimal functionality and relevance of student laboratories. Therefore, fostering enriched, time-relevant, high-tech, high-quality lab learning experiences.</p>	<p>Student satisfaction with available resources via student course evaluations.</p> <p>Use of course outcome data to access student success.</p>	<p>\$24,00: Virtual Reality Biomedical Equipment Training (annual) subscription for 20 (online) students.</p> <p>This subscription and equipment is vital to the continued success of our online option. Other ACCS schools are utilizing VR and AR training technology with great success as well as <u>schools outside of our system that specialize in Biomedical Equipment Technology</u>. This technology will greatly enhance our online student's laboratory experience by providing them with near real-life, hands-on lab experiences. <u>It will also eliminate the need to purchase new lab equipment in the future</u> because the equipment used inside of the simulations will be automatically updated regularly.</p> <p>Collaborate with JSCC Bookstore. Online students will rent the <i>VR Equipment</i> from the bookstore when enrolled in BET 200, BET 202 and BET 203. If possible, add the <i>VR Equipment</i> needed to the Pioneer Pack. Therefore, the <i>VR Equipment</i> will be treated as a book adoption.</p> <p>\$3000: Routine lab/classroom supplies</p>
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Ensure that faculty and students have access to up-to-date <u>computer technology</u> and <u>other classroom technology resources</u> to achieve course and program outcomes	Keep classroom instruction and PC technology current as supported by the college's IT department.	Computers and projectors will be updated in labs and offices as needed based on Informal feedback and conversations with faculty	No funding is required at this time – When needed, price quotes and computer technology suggestions will be sent to the IT Department for feedback and suggestions.