

BIOMEDICAL TECHNOLOGY SYSTEMS

The Biomedical Technology Systems (BTS) program prepares the adult learner to repair, maintain, test, inspect, calibrate, and manage a wide variety of medical devices, equipment, and systems employed in various healthcare sectors. The learner will gain a holistic perspective of the life-cycle duties and skills needed to assure that medical devices meet safety and performance expectations. The program addresses both general and specialized medical technologies along with how these technologies are interfaced with health IT networks. Upon completion of the program, the graduate will be prepared for immediate employment as an entry-level biomedical equipment technician professional and may pursue employment with a number of employers including, but not limited to: hospitals, clinics, home medical equipment companies, dialysis centers, third-party medical equipment service providers, and medical equipment manufacturers.

The BTS program is uniquely designed with the long distance and/or working adult in mind. The curriculum courses are offered online and all BTS technical courses which have associated lab activities require the student to make only one visit to Madisonville Community College each week during the fall and spring semesters. As an alternative, students may take two, short-term summer sessions at Madisonville Community College which encompasses all the lab activities presented in the BTS courses. Two such sessions are required, with one session taken during one summer term and the other session taken during the following summer term, in which each onsite session includes labs from six different BTS courses. Only one session is offered each summer.

Degrees

- Biomedical Technology Systems - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/biomedical-technology-systems/biomedical-technology-systems-aas/>)

Certificates

- Certified Associate in Biomedical Technology Exam Preparation - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/biomedical-technology-systems/certified-associate-in-biomedical-technology-exam-preparation/>)
- Foundational Preparation for the Dialysis Systems Service and Support Technician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/biomedical-technology-systems/foundational-preparation-for-the-dialysis-systems-service-and-support-technician/>)
- Foundational Preparation for the Radiographic Diagnostic Imaging Service and Support Technician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/biomedical-technology-systems/foundational-preparation-for-the-radiographic-diagnostic-imaging-service-and-support-technician/>)
- Foundations in Biomedical Technology Networking Systems - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/biomedical-technology-systems/foundations-biomedical-technology-networking-systems-certificate/>)