

# Healthcare Technology Management - AAS

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## Online

The Healthcare Technology Management program will prepare students to seek a variety of entry-level positions in the biomedical and healthcare technology management industry. Students will engage in coursework related to biomedical information systems, electronics, networking, troubleshooting, digital and mechanical systems, database fundamentals, and safety and compliance. An emphasis on medical applications, operations, and procedures is embedded within the various program courses. The program includes instruction in instrument calibration, design, installation, and testing, as well as safety, maintenance, and equipment repair procedures. Students will garner the skills and working knowledge to perform medical equipment maintenance services characterized by repair or module replacement; repair of general medical equipment malfunctions; adjustment of medical equipment utilizing common and special purpose tools and electronic test equipment; conduct preventive maintenance checks and services; and conduct calibration, verification, certification and electrical safety tests. Students will be placed in an internship where they will be able to apply all of the skills learned throughout the duration of the program.

Students who complete the two-year program will complete a certification course that will prepare them for the Certified Associate in Biomedical Technology (CABT) credential.

The Healthcare Technology Management Diploma will be earned after a student completes the first two semesters of the program.

Please view the [technical standards](#) for this course.

## Instructor and Staff

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## Online, and select courses available on campus

### Program Requirements

| Fall Semester I     |  | Credit |
|---------------------|--|--------|
| CSC-110             | Introduction to Computers                        | 3      |
| HTM-100             | Applied Human Biology for Biomedical Technicians | 3      |
| HTM-101             | Biomedical Equipment I                           | 3      |
| MAT-702             | Introduction to Math Applications                | 3      |
| NET-142             | Network Essentials                               | 3      |
| Semester Total..... |  | 15     |

| Spring Semester I   |  | Credit |
|---------------------|--|--------|
| ELT-351             | Electronics I  | 3      |
| ENG-110             | Writing for the Workplace                              | 3      |
| HTM-102             | Healthcare Technology Management I                     | 3      |
| HTM-103             | Introduction to Digital and Mechanical Control Systems | 3      |
| HTM-104             | Basic X-Ray  | 3      |
| Semester Total..... |  | 15     |

| Summer Semester I   |                                    | Credit |
|---------------------|------------------------------------|--------|
| PHI-105             | Introduction to Ethics             | 3      |
| SPC-101             | Fundamentals of Oral Communication | 3      |
| Semester Total..... |                                    | 6      |

| Fall Semester II                  |  | Credit |
|-----------------------------------|--|--------|
| ELT-354                           | Electronics II                         | 3      |
| HTM-105                           | Biomedical Information Systems         | 3      |
| HTM-106                           | Troubleshooting Theory and Methodology | 3      |
| <b>Take WBL-104 as 3 credits:</b> |  |        |
| WBL-104                           | Exploring Careers: Health Sciences     | 1-3    |
| Semester Total.....               |  | 12     |

| Spring Semester II  |   | Credit |
|---------------------|---|--------|
| HTM-107             | Healthcare Database Fundamentals                | 3      |
| HTM-108             | Safety and Compliance in Healthcare             | 3      |
| HTM-109             | Biomedical Technician Certification Preparation | 3      |
| HTM-932             | Biomedical Technician Internship                | 2      |
| SOC-114             | Conflict Resolution in the Workplace            | 3      |
| Semester Total..... |   | 14     |
| Program Total.....  |   | 62     |