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| **Institution:** | Texas State Technical College | **Award Title:** | AAS Biomedical Equipment Technology |
| **Program:** | Biomedical Equipment Technology | **Award CIP Code:** | 15.0401 |

| **Key Activities to WECM Courses Matrix** | | | | | | | | | | | | |
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| **Biomedical Equipment Technician Skill Standards**  **Key Activity #/Statement** | **WECM Course Rubric, Number and Title** | | | | | | | | | | | |
| BIOM 1201 Biomedical Equipment Technology | BIOM 1270  Shop Skills for Biomedical Equipment Techs. | BIOM 1309 Applied Biomedical Equipment Technology | BIOM 1315 Medical Equipment Networks | BIOM 1341 Medical Circuits/ Troubleshooting | BIOM 1355 Medical Electronics Applications | BIOM 2380 and/or 2388 Internship Biomedical Technology Technician | BIOM 2301 Safety in Health Care Facilities | BIOM 2215 Physiological Instrumentation I | BIOM 2319 Basic X-Ray & Medical Imaging System | BIOM 2311 General Medical Equipment I | BIOM 2231 Biomedical Clinical Instrumentation |
| 1.1 Receive, inspect and inventory equipment upon delivery | X |  |  |  | X |  |  |  |  |  |  |  |
| 1.2 Deliver equipment to installation location |  |  |  | X |  |  |  |  |  | X |  |  |
| 1.3 Conduct incoming inspection |  |  |  |  |  |  |  |  |  |  | X |  |
| 1.4 Install equipment |  |  |  | X |  |  | X |  |  |  | X |  |
| 2.1 Conduct scheduled preventive maintenance |  |  |  | X |  |  | X |  | X | X |  | X |
| 2.2 Order parts and supplies |  |  |  |  | X | X |  |  | X |  |  | X |
| 2.3 Respond to device alerts and recalls | X |  |  |  |  |  |  | X |  |  | X |  |
| 2.4 Conduct rounds |  |  | X |  |  |  | X | X |  |  |  |  |
| 3.1 Respond to device failures reported by users |  |  |  |  | X |  | X | X |  |  | X |  |
| 3.2 Diagnose equipment malfunctions |  |  |  |  | X | X | X |  |  |  | X |  |
| 3.3 Order parts and supplies | X |  |  |  |  | X | X |  |  |  | X |  |
| 3.4 Repair faults and calibrate equipment |  | X |  |  | X | X | X |  |  |  | X |  |
| 3.5 Return equipment to service |  |  |  |  |  |  | X |  | X |  |  | X |
| 4.1 Respond to emergencies |  | X |  |  |  |  | X | X |  |  |  |  |
| 4.2 Ensure public and employee safety in the healthcare facility |  | X | X |  |  |  |  | X |  |  |  |  |
| 4.3 Identify hazards in and around work areas |  | X |  |  |  |  |  | X |  |  |  |  |
| 5.1 Maintain equipment, parts, and inventory database | X |  |  |  |  |  |  |  |  |  | X |  |
| 5.2 Assist with equipment recalls and health device alerts (HDAs) |  |  |  |  |  | X |  | X |  |  | X |  |
| 5.3 Update equipment maintenance documentation |  |  |  |  |  |  |  |  | X | X |  | X |
| 6.1 Coordinate resources to facilitate repairs | X |  |  |  | X |  |  |  |  |  |  |  |
| 6.2 Conduct quality assurance check of third-party repairs |  |  | X |  |  |  |  | X |  |  | X |  |
| 6.3 Verify third party documentation of repairs | X |  |  |  | X |  |  |  |  |  |  |  |
| 7.1 Demonstrate equipment for facility staff | X |  | X |  |  |  |  | X |  |  | X | X |
| 7.2 Respond to user requests for assistance |  |  |  |  | X |  | X |  |  |  | X |  |
| 7.3 Identify need for in-service presentations |  |  | X | X |  |  |  | X |  |  | X |  |