

Biomedical Service Technician

FACULTY

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<http://www.bates.ctc.edu/Biomedical>

Students prepare for employment in the biomedical service profession as technicians in large and small biomedical service centers. They learn to repair surgical pieces and other medical equipment such as defibrillators, heart monitors, electric wheelchairs, and medical imaging machines. Instruction may include the installation, calibration, inspection, preventive maintenance, and troubleshooting techniques used for this specialized equipment. Students supplement their program instruction through paid and non-paid work-based learning experiences in businesses throughout the Puget Sound area.

Associate of Technology Degree: 95 credits

Biomedical Service Technician

	<u>Credits/Hours</u>
Completion Range: 15-22 Months	
ELES 091 Occupational Human Relations	1/16
ELEQ 092 Occupational Communications	6/100
ELEQ 093 Occupational Math	4.5/70
BMET 094 Safety Principles	4/66
ELEQ 101 Electronics Principles I	16/270
ELEQ 102 Electronics Principles II	10/170
ELEQ 103 Electronics Principles III	10/170
BMET 112 Magnetic & Laser Mediums	1/16
BMET 130 RF Receivers & Audio Amps	1/16
BMET 150 Troubleshooting I	10/165
BMET 201 Imaging Systems Video/Projection & Raster Scan I	3/50
BMET 204 Basic Physiology for Biomedical Equipment Tech.	4/66
BMET 205 Bloodborne Pathogens	3/50
BMET 215 Introduction to Medical Terminology I	4/66
BMET 217 Biomedical Instrumentation	6/100
BMET 250 Troubleshooting II	12/198
BMET 271 Advanced Biomedical Service Applications I	5/83
BMET 272 Advanced Biomedical Service Applications II	5/82

General Education Requirements

	<u>Credits</u>
100-level or> Human Relations – HREL, PSYCH, SOC or CMST	5
100-level or> Communications – ENGL or CMST	5
100-level or> Mathematics – MATH	5

Certificate of Competency: 72.5 credits

Medical Equipment Technician

	<u>Credits/Hours</u>
Completion Range: 12 Months	
ELES 091 Occupational Human Relations	1/16
ELEQ 092 Occupational Communications	6/100
ELEQ 093 Occupational Math	4.5/75
BMET 094 Safety Principles	4/66
ELEQ 101 Electronics Principles I	16/65
ELEQ 102 Electronics Principles II	10/160
ELEQ 103 Electronics Principles III	10/160
BMET 112 Magnetic & Laser Mediums	1/16
BMET 130 RF Receivers & Audio Amps	1/16
BMET 150 Troubleshooting I	10/160

General Education Requirements

	<u>Credits</u>
90-level or> Human Relations – HREL, PSYCH, SOC or CMST	3
90-level or> Communications – ENGL or CMST	3
90-level or> Mathematics – MATH	3

90-level credit units apply toward meeting certificate requirements, but do not apply toward degree requirements.