BMET – Biomedical Electronics Technology

BMET 1231 - Medical Equipment Function and Operation I
4 Credits 6 Contact Hours
Prerequisites: ALHS 1011
Introduces the study of electromechanical systems currently in use throughout the health care field with an emphasis on typical biomedical instrumentation. Topics include monitors, ECG machines, intensive care units, coronary care units, operating room equipment, and telemetry systems.

BMET 2242 - Medical Equipment Function and Operation II
4 Credits 6 Contact Hours
Prerequisites: BMET 1231
Continues the study of electromechanical systems currently in use throughout the health care field. Topics include life support equipment, respiratory instrumentation, measuring brain parameters, medical ultrasound, electrosurgery units, and hemodialysis machines.

BMET 2243 - Internship Medical Systems
3 Credits 7 Contact Hours
Prerequisites: BMET 1231
Introduces the student to an on-site learning experience at an operating biomedical equipment section of a health care facility. Supervision of the intern is shared by the working environment supervisor and the faculty advisor. Internist performance is evaluated at weekly seminars. Topics include problem solving, use of proper interpersonal skills, interpreting work authorizations, identifying logistical support requirements, servicing biomedical instruments, evaluating operating cost, and professional development.