BMET COURSE DESCRIPTIONS
2009-2010 General Catalog

COURSE	DESCRIPTION
BMET 3320	DIGITAL SIGNAL PROCESSING. (3-3-0). Overview of medical equipment networking and telecommunications. Digital signal processing. Digital image processing systems. Prerequisites: Electronics Engineering Technology 3360-3361, Credit for or registration in Electronics Engineering Technology 3310-3311.
BMET 3321	DIGITAL SIGNAL PROCESSING LABORATORY. (1-0-2). Credit for or registration in 3320
BMET 3370	BIOMEDICAL INSTRUMENTATION. (3-3-0). Introduction to electronic acquisition and analysis of biomedical signals and imaging; biomedical transducers and actuators; signal conditioning; instrumentation amplifiers; characteristics, practical design, testing, and applications of electronic biomedical measuring instruments. Prerequisites: 3320-3321, Electronics Engineering Technology 3310-3311.
BMET 3371	BIOMEDICAL INSTRUMENTATION LABORATORY. (1-0-2). Prerequisite: Credit for or registration in 3370.
BMET 4950	BIOMEDICAL ENGINEERING TECHNOLOGY INTERNSHIP. (3 to 6-0-0). This course, along with Electronics Engineering Technology 4940, is the capstone experience for students in the biomedical concentration within the Electronics Engineering Technology program. Students will complete no fewer than 180 hours of student internship. Students must complete periodic evaluations, special projects, and a final report. Prerequisites: 3370, 3371, Electronics Engineering Technology 4300-4301, 4940, English 3230, and senior status.