**Biomedical Engineering Minor**

Biomedical engineering is a broad field that features many different types of engineering expertise working together to find solutions to address human health needs. This minor will prepare students for entry-level work or graduate school in the biomedical engineering field. As a biomedical engineer or biomedical technologist, you will be prepared to work on multidisciplinary teams alongside scientists, engineers, patients, nurses, and physicians to develop products, processes, or systems that can alleviate suffering and restore function and dignity. The biomedical engineering minor will contribute toward preparation for jobs involving a blend of research and development as well as experimentation and data analysis, as well as interacting collaboratively with regulatory bodies to bring innovative products to the market, or researching new materials, technologies, and processes that will enable others to unlock solutions for years to come.

**Program Requirements**

BIOL 396 - Perspectives in Medicine

ENGR 250 - Introduction to Biomedical Engineering

*Take One from the Following*

BIOL 161 - Cellular and Genetic Systems

BIOL 205 - Human Anatomy

BIOL 206 - Human Physiology

*Take Two from the Following*

BIOL 325 - Biotechnology

CS 106 - Introduction to Scientific Computation and Modeling

OR CS 108 - Introduction to Computing

OR CS 112 - Introduction to Data Structures

KIN 212 - Anatomical Kinesiology

KIN 213 - Biomechanics

STAT 145 - Biostatistics

OR STAT 243 - Statistics

OR STAT 245 - Applied Data Analysis

*Take One from the Following*

ENGR 202 - Statics and Dynamics

ENGR 204 - Circuits Analysis and Electronics

ENGR 205 - Principles of Materials Science

ENGR 209 - Introduction to Conservation Laws and Fluid Mechanics

Total Semester Hours: at least 20