The objectives of the Biomedical Engineering program are to produce high-quality graduates with a broad-based education in engineering, life sciences and natural sciences applied to the fields of biomechanics, biomaterials, bioinstrumentation, and biomolecular and cellular engineering who:

1. are well prepared for further graduate studies, careers in the biomedical or biotechnology industries or entry into medical or other professional schools;
2. will make significant contributions in biomedical industries, medicine and other sectors;
3. will apply acquired knowledge appropriately, work professionally with others, effectively communicate ideas and technical information and continue to learn and improve their knowledge base and skills.

These objectives are met through a modern and comprehensive curriculum taught by a well prepared, professionally active and dedicated faculty. In addition, the program actively supports professional development among the students through individual study and research opportunities, cooperative education and internships, and student society activities. These goals are measured by the success of the graduates in finding rewarding professional employment, and by admission to respected graduate and professional schools.

Design is an important part of biomedical engineering and design skills are emphasized throughout the curriculum, beginning the first year in the program, and culminating in the two-semester senior design course sequence that requires application of a wide range of engineering methods to a focused design project. Other courses in biomedical engineering and in supporting disciplines include examples of the application of the principles to design, as well as specific design exercises. The biomedical engineering curriculum is accredited by the Engineering Accreditation Commission of ABET, www.abet.org.

Before commencing coursework in the department, students must be admitted to the major or minor.

Faculty

Adjei, Isaac, Assistant Professor
Biomedical Engineering
PHD, Case Western Reserve University, 2014

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Biomedical Engineering
PHD, Purdue University, 2010

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PHD, University of Pennsylvania, Philadelphia, PA, 2014

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Biomedical Engineering
PHD, Texas A&M University, 2011

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Biomedical Engineering
PHD, Pennsylvania State University, 1997

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Biomedical Engineering
PHD, University of Alabama - Birmingham, 1983
DVM, Auburn University, 1971

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PHD, The John Hopkins University School of Medicine, 2005

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PHD, Texas A&M University, 1995

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Biomedical Engineering
DEN, University of Wisconsin - Madison, 1985

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PHD, University of Manchester, Manchester Interdisciplinary Biocentre, 2012

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PHD, Northwestern University, 1995

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PHD, Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences, 2014

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PHD, University of Minnesota, 1978

Tian, Limei, Assistant Professor
Biomedical Engineering
PHD, Washington University in St. Louis, 2014

Trache, Andreea, Associate Professor
Biomedical Engineering
PHD, Institute of Atomic Physics, Romania, 1996

Ugaz, Victor M, Professor
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PHD, Northwestern University, 1999

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Yeh, Alvin T, Associate Professor
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PHD, University of California, Berkeley, 2000

Zhang, Xudong, Professor
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PHD, University of Michigan Ann Arbor, 1997

**Majors**
- Bachelor of Science in Biomedical Engineering (http://catalog.tamu.edu/undergraduate/engineering/biomedical-bs/)

**Minors**
- Biomedical Engineering Minor (http://catalog.tamu.edu/undergraduate/engineering/biomedical/minor/)

**Certificates**
- Quality Engineering for Regulated Medical Technologies Certificate (http://catalog.tamu.edu/undergraduate/engineering/biomedical/quality-regulated-medical-technologies-certificate/)