

BIOMEDICAL ENGINEERING

Enrollment Fall 2009

Undergraduate Students	415	Graduate Students	85
Average SAT Score	1285	Ph.D.	39
		Master's	46

Quality Indicators

Total Faculty	19	U.S. News & World Report Ranking	
Professors	4	Rankings Among Public Institutions	
Associate Professors	5	14 Graduate	Endowed Professorship Holders
Assistant Professors	9		3

Centers and Laboratories

Biomaterials Testing Laboratory	Molecular Biomechanics Laboratory
Biomedical Micro/Nanoscale Devices Laboratory	Optical Biosensing Laboratory
Cardiac Biomechanics Laboratory	Optical Imaging Laboratory
Cellular Biomechanics Laboratory	Rehabilitation Engineering Laboratory
Continuum Biomechanics Laboratory	Soft Tissue Biomechanics Laboratory
Medical Device Systems Safety Laboratory	Tissue Microscopy Laboratory

Research Areas

Anti-Fold Surface	Finite Element Methods
Biologically Inspired Materials	Human Factors and System Safety
Biomaterials	Magnetic Resonance Imaging
Biomechanics	Nano and Micro Biosensing and Imaging
Biomedical Electronics and Instrumentation	Nonlinear Optical Microscopy
Biomedical Imaging	Nonlinear Solid Mechanics
Biomedical Signal Processing	Optical Diagnostics
Biophotonics	Optical Imaging
Cardiac, Vascular and Cellular Mechanics	Optical Sensing
Clinical Engineering	Orthopedic Rehabilitation Engineering
Computational Mechanics	Polymer Colloids and Hydrogels
Computer Simulation of Biomolecules	Soft Tissue Biomechanics
Constitutive Modeling	Telemedicine
Control Theory	Tissue Engineering