



M.S. in Biomedical Engineering

The M.S. in Biomedical Engineering prepares students for careers in the biotechnology and medical device industries or for advanced study in academic or clinical settings. The curriculum combines advanced coursework with hands-on experience in specialized areas, including regenerative engineering, neural engineering, imaging systems, and medical physics. The program fosters the interdisciplinary knowledge and technical skills needed to solve complex healthcare challenges and drive innovation in the field.

WHAT TO EXPECT

Translational Focus

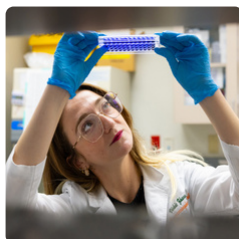
- Work side-by-side with physicians at the Miller School of Medicine to solve real-world clinical challenges. Collaborations span leading centers including:
 - Bascom Palmer Eye Institute
 - Miami Project to Cure Paralysis
 - Desai Sethi Urology Institute
 - Diabetes Research Institute
 - Sylvester Comprehensive Cancer Center

Cutting-Edge Facilities

- Access modern labs and advanced tools for hands-on, interdisciplinary research and learning.

Industry Connections

- Leverage strong partnerships with global companies for internships, career opportunities, and powerful professional networks.



STUDENT PLACEMENT

46%
Industry

30%
Academia

22%
Clinical

STUDENT DEMOGRAPHICS

52%
Female

8%
International

FINANCIAL AID

Admitted students may receive up to **50% tuition waivers** for outstanding achievement.



RESEARCH AREAS

Regenerative Engineering

- Repair tissues and restore organ function with tools like 3D printing, immunoengineering, stem cells, organ-on-a-chip systems, and biomechanics for orthopedic applications.

Neural Engineering

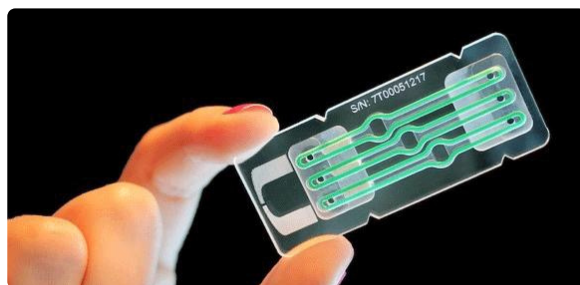
- Develop brain-computer interfaces, neuromodulation, and imaging technologies to enhance nervous system function.

Imaging Systems

- Innovate in MRI, CT, Optical Coherence Tomography, and computational image analysis.

Medical Physics

- Apply physics and engineering to imaging, radiation therapy, and nuclear medicine while preparing for residency and ABR certification.



HIGHLIGHTS

Pursue concentrations in emerging areas of biomedical engineering through courses and research led by field experts.

Launch innovations and startups through training programs and a strong entrepreneurship ecosystem.

Build practical skills in renowned faculty labs and through internships with leading biotech and medical device companies.



For more
information



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