



M.S. in Neural Engineering

The neural engineering program equips students for impactful careers in the neurotechnology and medical device industries or for advanced doctoral or medical studies. This interdisciplinary master's program offers comprehensive training at the intersection of engineering, neuroscience, and medicine, ensuring graduates gain the expertise needed to drive innovation in the field. Upon completion, students will earn a prestigious graduate degree in neural engineering from the Department of Biomedical Engineering.

WHAT TO EXPECT

Transform Passion into Innovation

- Join an interdisciplinary program that bridges engineering, neuroscience, and medicine with direct ties to the Miller School of Medicine.

Hands-On Research

- Collaborate with faculty, clinicians, and industry partners on brain-computer interfaces, neuroprosthetics, neuromodulation, AI, tissue engineering, and more.

Innovation and Entrepreneurship

- Tap into the University of Miami's strong entrepreneurship and innovation ecosystem with training, mentorship, and support to launch ventures and translate discoveries into real-world solutions.

Shape the Future of Healthcare

- Graduate with the expertise to design breakthrough solutions that advance neurological health and transform patient outcomes.

FAST FACTS



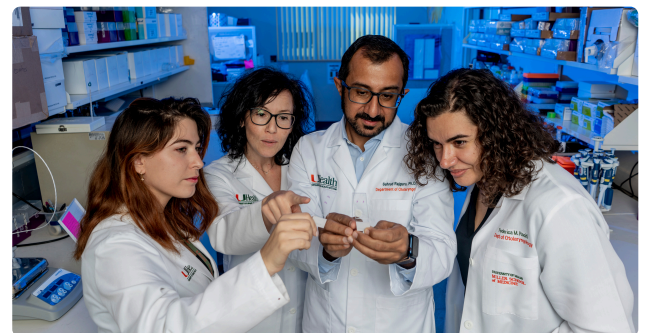
5
Startup
Companies



20+
Faculty
Members



\$20M+
Research
Spending





RESEARCH AREAS

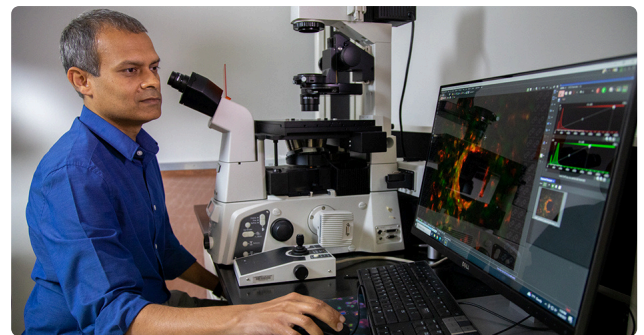
- Neural Interfaces and Neurotherapeutics
- Brain Machine Interfaces and Neuromodulation
- Neural Tissue Engineering
- Computational Neuroscience, Artificial Intelligence and Machine Learning
- Bioelectronic Medicines

“Development of novel neurotechnologies to address major clinical challenges across diverse patient populations with injuries and disorders of the nervous system requires a multidisciplinary approach and expertise that spans across engineering and sciences.”

-Abhishek Prasad, Associate Professor and Program Director, Neural Engineering

CENTERS AND INSTITUTES

- At the **Institute for Data Science and Computing**, access one of the top five academic supercomputers in the U.S.
- Train at the **Lynn Rehabilitation Center**, ranked in the Top 3% of rehab hospitals nationwide.
- Contribute to research at the **Miami Project to Cure Paralysis**, a U.S. site for the Neuralink clinical trial.
- Advance neuroscience through the **Evelyn F. McKnight Brain Institute**, with UM Neurology/Neurosurgery ranked #20 nationally by U.S. News.
- Fight cancer at **Sylvester Comprehensive Cancer Center**, South Florida's only NCI-designated center.



For more
information



Abhishek Prasad
a.prasad@miami.edu