Biomedical Engineering M.S.

Biomedical engineering graduates can expect to be highly sought by companies in the rapidly-growing field of medical devices.

With UND's master's in biomedical engineering, you'll gain the expertise to advance the biomedical device field. You'll create innovative solutions through research and product development at UND's graduate program.

Program type: Master's Degree
Format: On Campus or Online
Est. time to complete: 2 years
Credit hours: 30

Why earn a master's degree in biomedical engineering at UND?

Application Deadlines

Fall: Aug. 1
Spring: Dec. 1
Summer: May 1

Create the next generation of medical devices by bridging the gap between engineering and medicine. From amazing medical technology featured in sci-fi movies, to the futuristic-like devices in today's most advanced hospitals, it will take experts that can fuse engineering and medicine to imagine tomorrow's innovations. Biomedical engineers create life-saving devices that can create:

- Artificial organs
- Automate monitoring of vitals
- Assist in surgeries
- Simulate procedures
- Exciting medical advancements once considered science fiction

You'll be a part of collaborative biomedical research and device development team in the College of Engineering & Mines. Advance your knowledge to help launch the next generation of medical breakthroughs. You'll gain the expertise to help create new medical devices that can help improve the healthcare outcomes of lives all around the world.

Groundbreaking Biomedical Research

SafetySpect Inc. – a California-based company – is testing its handheld ultraviolet light disinfection system at UND biomedical engineering labs. The U.S. Air Force and the global food-services industry are just two industries interested in this new technology.

Biomedical Engineering at UND

- UND is recognized by U.S. News & World Report as a top online graduate engineering program.
- Individualize your graduate program and choose from several Biomedical Research Groups (BRG).
- Biomedical engineering research options include biomechanics, biomaterials, bio-instrumentation, multi-scale, bio-simulation and modeling, bio-signals and other emerging areas.
- Leverage the expertise and resources of three departments: UND College of Engineering & Mines, UND School of Medicine & Health Sciences and NDSU's College of Engineering.
- The M.S. in biomedical engineering has both thesis and non-thesis options. Learn online or on-campus.
Open yourself up to greater career opportunities by focusing on areas where biomedical engineering expertise is most needed.

Careers in Biomedical Engineering

91K Average salary for biomedical engineers
- U.S. Bureau of Labor

4% Expected growth for biomedical engineering in the next 10 years
- U.S. Bureau of Labor Statistics

UND biomedical engineering graduates can expect to be highly sought by companies in the rapidly-growing field of medical devices. Top medical device companies today include:

- Johnson & Johnson
- GE Healthcare
- Siemens
- Medtronic
- Baxter International
- Philips (Healthcare)

Explore More Options

Check out the medical and engineering faculty you'll work with or explore degrees similar to biomedical engineering.

- Biomedical Engineering Program
- Similar Graduate Degrees

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