Biomedical Engineering (M.S.)

Create the next generation of medical devices by bridging the gap between engineering and medicine.

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 Snapshot

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?

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 and many other 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.

Leaders in Action

UND is recognized by U.S. News & World Report as an online graduate engineering program.

Application Deadlines

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

Biomedical Engineering at UND

- Open yourself up to greater career opportunities by focusing on areas where biomedical engineering expertise is most needed.
- 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.
Careers in Biomedical Engineering

95K
Average salary for biomedical engineers*

4%
Expected growth for biomedical engineering in the next 10 years*

*U.S. Bureau of Labor Statistics

**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)