Master of Science in Biomedical Engineering

Curriculum

Biomedical engineering involves the application of engineering principles and methods to define and solve problems in medicine and biology. Students choose biomedical engineering to be of service to people, for the challenge of working with living systems and to apply advanced technology to problems of healthcare delivery.

Biomedical engineering careers can be found in industrial, healthcare, academic, private laboratory and government settings. The typical biomedical engineer will work in a team environment that may include physical scientists, engineers, clinicians and life scientists.

The objective of the MS in Biomedical Engineering degree program is to produce graduates who are capable of undertaking challenging projects that require advanced knowledge of the design of mechanical, electrical and thermal systems, focused in life science applications.

Career Options

Graduates of the program seek positions including: Research and Development Engineer in areas such as bioinstrumentation, biomaterials, biomechanics, tissue engineering or rehabilitation engineering and Consulting Engineer in the public and private sector.

Degree Program

The MS in Biomedical Engineering requires the completion of a minimum of 33 semester credit hours.

For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.

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