The Master of Science in Biotechnology degree program is intended to prepare students for careers in biotechnology and biomedicine and to assist currently employed professionals in enhancing their career opportunities.

Biotechnology captures the exciting opportunities made possible by the decoding of the human genome and by the advances in bioanalytical instrumentation. The field is projected for continued rapid growth. The MS in biotechnology is designed so that students may enter the program with a wide range of prior disciplinary backgrounds, prepare for and take the four core courses and, by choice from a wide range of approved electives, tailor the remainder of the degree program to their career opportunities. In this manner, students may develop areas of additional depth in fields such as:

- molecular and cell biology
- chemistry
- research
- engineering and computer science
- health care
- management and business administration
- science education

Program Description
The MS in Biotechnology requires the completion of a minimum of 36 semester credit hours. For complete admission and degree requirements, view the Graduate Catalog at catalog.utdallas.edu.

 Marketable Skills
An advanced degree in biotechnology allows the degree owners to pursue opportunities in human medical research, plant research, animal research, environmental system research at the molecular, cellular, organism, and ecosystem level. Upon successful completion of the M.S. in Biotechnology degree program, UT Dallas graduates will expand their prior training and education with specialist knowledge and advance their understanding in relevant scientific areas including, but not limited to, proteomics, genomics, and applied bioinformatics, and hands-on experience in state-of-the-art techniques in genomics and cell and molecular and cell biology.

- Broad and expansive knowledge of proteomics, genomics and applied bioinformatics
- Methodological skills in experimental and computational techniques applied to broad research questions in biotechnology
- Ability to work in teams in diverse settings
- Ability to communicate scientific ideas and concepts in oral and in written form
- Advanced ability to apply critical thinking and quantitative skills to solve complex problems