

# BIOTECHNOLOGY

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## Overview

Are you prepared to pioneer groundbreaking solutions in the fast-paced, cutting-edge biotechnology industry? This sector stands at the precipice of unprecedented scientific breakthroughs, from gene editing to personalized medicine, and Fordham University's M.S. in biotechnology program provides a solid foundation for a career in this innovative field.

Our innovative 30-credit program (15 credits from required courses and 15 credits from a list of electives) is a fusion of rigorous academic study and hands-on industry experience. It's designed to equip you with scientific knowledge, specialized technical skills, and practical expertise essential for thriving in this rapidly evolving landscape. Fordham's transdisciplinary approach seamlessly blends foundational scientific principles with their real-world applications across the biotechnology spectrum. As a student, you'll delve into:

- Cutting-edge new product development, from concept to market
- Quality control (QC) and state-of-the-art manufacturing processes
- Data-driven business strategies and analytics
- Entrepreneurial skills for biotech start-up management
- Techniques in cell/molecular biology and biochemistry
- Complex regulatory landscapes and compliance requirements
- Intricacies of biotechnology intellectual property law

**To learn about the program's requirements, consult the relevant Bulletin section.**