
Summer 2026

[Request Permission Number](#)

Course Preview Week: May 19 - May 25, 2026

Semester Dates: May 26 - August 07, 2026

ABT 700 Principles of Biotechnology **3 Credits**

Introduction to basic principles and techniques pertaining to biotechnology and its applications to our society. Survey of classical and emerging techniques.

[ABT 700 course syllabus](#)

ABT 705 Ethics, Safety, and Regulatory Environments in Biotechnology **3 Credits**

Ethical and safety concerns in development, production, funding, and application of biotechnology. Analysis of socioeconomic impacts. Understanding the importance of data integrity. Overview of risk assessment and management in a regulatory environment designed to ensure safety of workers, study subjects, and patients, and protect intellectual property, data, and the environment.

[ABT 705 course syllabus](#)

2020 ADEIL Distinguished Course Award

ABT 710 Professional and Technical Communication in Biotechnology **3 Credits**

Application and analysis of professional scientific communication, both written and oral. Focuses on designing documents that convey complex, data-rich technical and scientific content to audiences with diverse information needs using a variety of professional genres, including reports, proposals, presentation, and documentation.

[ABT 710 course syllabus](#)

ABT 720 Experimental Design and Analysis in Biotechnology **3 Credits**

Principles of descriptive and inferential statistics with applications in biotechnology including experimental design, quantitative data analysis, and bioinformatic evaluation of complex molecular and biological data sets.

[ABT 720 course syllabus](#)

ABT 725 Leadership in Organizations **3 Credits**

Focuses on strategies and tools that managers use to maximize employee contribution and create organizational excellence. Basic business and leadership principles. Best practices to overcome biases that inhibit organizations and teams from communicating effectively. Examples will come from diverse biotechnology fields, including pharmaceuticals, agriculture, and biotechnology services.

[ABT 725 course syllabus](#)



ABT 789 Pre-Capstone

1 Credits

Prepares the student for applied self-directed capstone experience. Addressing problem identification, research, and project formulation. Culminates in an oral and written proposal with project schedule.

Prerequisites: Completion of all core courses and at least one track course. The second and third track courses can be taken along with 789 if necessary.

[ABT 789 course syllabus](#)

ABT 790 Capstone

3 Credits

Student will complete a project (report, business plan, program, etc) in an area of quality assurance and compliance, business and management, and/or research and development. Culminating in a substantive body of work, executive summary, and reflection. Networking and communication in a professional capacity is expected. [Learn more about the capstone.](#)

[View examples of past capstone projects.](#)

Prerequisites: ABT 789

[ABT 790 course syllabus](#)