

Biotechnology Science Certificate (3751)

This certificate is designed primarily for students with a baccalaureate or associate degree, and a basic science background including one year of college chemistry, cell biology, and general microbiology.

Admission to the Biotechnology Science program is required.

NOTE: BIOS 1500 Introduction to Biochemistry has prerequisites that include BIOL 1510 Principles of Biology I or an equivalent cellular biology course, and CHEM 1500 General Chemistry I or an equivalent chemistry course. BIOS 2100 Applied Microbiology has prerequisites that include BIOL 2700 Microbiology or an equivalent general microbiology course. Students may need to take additional courses if they have not already taken the prerequisite courses or their equivalent.

Course	Title	Credit Hours
BIOS 1050	Introduction to Biotechnology Science	3
BIOS 1200	Biotechnology Science Lab Skills	4
BIOS 1500	Introduction to Biochemistry	4
BIOS 1600	Advanced Molecular Separations	4
BIOS 2100	Applied Microbiology	3
BIOS 2400	Tissue Culture	3
BIOS 2500	Recombinant DNA Technology	4
BIOS 2550	Introduction to Bioinformatics	1
BIOS 2600	Bioscience Manufacturing Processes	4
BIOS 2700	Internship	3
BIOS 2800	Biotechnology Science Seminar	1
Total Credit Hours		34