

BIOTECHNOLOGY (GR. CERT.) (16 CREDITS)

Offered by: Parasitology (Faculty of Agricultural and Environmental Sciences)

Program credit weight: 16

Program Description

The Graduate Certificate in Biotechnology focuses on biotechnology and the latest molecular biology techniques.

Note: For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

Required Courses (10 credits)

Expand allContract all

Course	Title	Credits
BIOT 505	Selected Topics in Biotechnology.	3
BTEC 620	Biotechnology Laboratory 1.	4
BTEC 621	Biotechnology Management.	3

Complementary Courses (6 credits)

Two courses chosen from the following:

General Topics

Expand allContract all

Course	Title	Credits
BINF 511	Bioinformatics for Genomics.	3
BIOL 524	Topics in Molecular Biology.	3
BIOL 568	Topics on the Human Genome.	3
BTEC 501	Bioinformatics.	3
BTEC 502	Biotechnology Ethics and Society.	3
BTEC 535	Functional Genomics in Model Organisms.	3
BTEC 555	Structural Bioinformatics.	3
EXMD 602	Techniques in Molecular Genetics.	3

Health

Expand allContract all

Course	Title	Credits
EXMD 610	Molecular Methods in Medical Research.	3
PARA 635	Cell Biology and Infection.	3
PHGY 518	Artificial Cells.	3

Environment and Food

Expand allContract all

Course	Title	Credits
BREE 530	Fermentation Engineering.	3