

# Biotechnology Occupational Major



## Biotechnology Occupational Major (Curriculum Code No. 2119)

This 60-61 credit major occupational major is designed to prepare students for employment as entry level technicians in biotechnology laboratories in pharmaceutical and biotechnology companies, forensic science and diagnostic labs as well as testing labs in the food and beverage industries. Students in the program will receive intensive hands-on laboratory training in state-of-the-art lab facilities in molecular biological assays such as DNA fingerprinting and PCR Analyses, experience in mammalian cell culture, and biomanufacturing upstream and downstream processing.

Students who have completed at least 55 credit hours may also choose to continue on to complete their Bachelor or Master of Science in Biotechnology at Thomas Jefferson's University College of Health Professions.

### Degree Requirements:

BIOT 105	Introduction to Biotechnology	CHEM 121	Chemistry I
BIOT 125	Biotechnology Methods & Techniques	CHEM 122	Chemistry II
BIOT 205	Cell and Tissue Culture	CISC 110	Introduction to Information Systems
BIOT 221	Biomanufacturing	COMM 110	Effective Speaking
BIOL 121	Biological Principles I	COM 114	Technical Writing
BIOL 228	Microbiology	MATH 115	Elementary Statistics
BIOL 280	Cooperative Education: Biotechnology	Electives	Science/Diversity/Arts/Humanities

For more information, please contact Dr. Linda Rehfuss, Biotechnology Program Coordinator, STEM Dept. at [linda.rehfuss@bucks.edu](mailto:linda.rehfuss@bucks.edu), Founders Hall 226, 215-504-8694, or Cianna Cooper at [cianna.cooper@bucks.edu](mailto:cianna.cooper@bucks.edu), 215-504-8649



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