BIOT - BIOTECHNOLOGY

BIOT 601 Biotechnology Principles and Techniques I  
Credits 4.0 Lecture Hours. 8 Lab Hours.  
Basic theories and techniques essential to laboratory research in  
agricultural, environmental or medical biotechnology such as laboratory  
safety and records keeping, genome informatics, DNA analysis, RNA  
analysis, protein analysis and analysis of biological systems.  
Prerequisite: Graduate classification and approval of instructor.

BIOT 602 Biotechnology Principles and Techniques II  
Credits 4.0 Lecture Hours. 8 Lab Hours.  
Application of basic theories and principles of biotechnology to team and  
individual research problems in a laboratory setting.  
Prerequisites: BIOT 601; graduate classification.

BIOT 603 Applied Principles of Biotechnology  
Credits 4.1 Lecture Hour. 9 Lab Hours.  
Applied experience with biotechnology laboratory procedures and  
instrumentation in a research environment. May be repeated twice for  
credit.  
Prerequisites: BIOT 601; graduate classification.

BIOT 635 Molecular Biotechnology  
Credits 3.3 Lecture Hours.  
Theory and application of molecular biotechnology; consideration of  
the structure and function of cellular components and methods to  
characterize these components with reference to examples in industry.  
Prerequisite: Approval of instructor.

BIOT 645 Biotechnology Writing  
Credits 3.3 Lecture Hours.  
Development of biotechnology writing and editorial skills; communication  
of specialized information to the public and peers.  
Prerequisite: Graduate classification and approval of instructor.

BIOT 681 Biotechnology Seminar  
Credit 1.1 Other Hour.  
Review and discussion of current topics in biotechnology industries, with  
focus on skills essential to success in the corporate environment such as  
communication, interviewing and interpersonal skills.  
Prerequisite: Graduate classification and approval of instructor.

BIOT 684 Directed Professional Internship  
Credits 4.4 Other Hours.  
A directed internship in an organization that provides on-the-job training  
with professionals in organizational settings appropriate to the student's  
professional objectives. May be taken two times for credit.  
Prerequisite: Approval of the Chair of the Faculty of Biotechnology.

BIOT 685 Directed Studies  
Credits 1 to 4.1 to 4 Other Hours.  
Provides customized training and experience to students in the  
Biotechnology Program; topics can include laboratory research, scientific  
literature reviews, biotechnology market surveys, and training in  
technology commercialization.  
Prerequisite: Approval of instructor.

BIOT 689 Special Topics in...  
Credits 1 to 4.1 to 4 Lecture Hours.  
Selected topics in an identified area of biotechnology. May be repeated  
for credit.  
Prerequisite: Approval of instructor.