

Bio-Technology Track

Overview

The Biotechnology track prepares students for today's management opportunities, which require great breadth. Knowledge of the underlying science must accompany an understanding of the regulatory and legal issues involved in this expanding area. The core of the track will introduce the student to the basic science and opportunities of modern biotechnology while also providing the student with necessary background on the structure of the industry and policies that govern it. Track participants may then focus in biotechnology areas of interest with choices from graduate course from the engineering college (CIT), the science college (MCS), the Heinz School and GSIA. This track utilizes extensive research centers in the sciences, robotics, public policy and computer sciences areas on campus.

Expected Background/Requirements

The expected background requirements for students applying for this track would include Biochemistry**, Genetics, Statistics for Lab Science and a lab course. Students, who have not taken Biochemistry, must do so in the 2nd semester of their 1st year in order to apply for the Biotechnology Track.

Curriculum

Required Core

Molecular Biology of Prokaryotes
Principles of Biotechnology
Biotechnology Regulations, Policy and Compliance
Biotechnology Industry and Structure and Strategy
Bio Ethics

Electives (Choice of one)

Biomedical Engineering
BioInformatics/Computational Biology
Medical Robotics
Biotechnology and Environmental Processes
Molecular Biology of Eukaryotes

Curriculum is subject to change

Application for the tracks will begin in Spring 04, Mini 3. Additional requirements and information will be posted to the GSIA website prior to Mini 3