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Biological Sciences ? concentration in Biotechnology

Introduction

Biotechnology is one of the most exciting areas in scientific research ? and Delaware State encourages students to get in on the action. The Biotechnology track of the BS degree in Biological Sciences enables students to get involved in significant research projects, working on cloning, DNA analysis, gene manipulation, and other cutting-edge subjects. Students gain hands-on lab experience and develop practical skills that can help them succeed in graduate school and the job market.

This interdisciplinary degree involves coursework from the Biology, Chemistry, Agriculture, and Computer Science departments. It culminates in an independent research project, on a subject of the student?s own choosing.

Advances in biotechnology have extraordinary potential to address global problems in health care, food production, energy, the environment, and more. So graduates of this program can really make a difference, while building great careers for themselves.

Professional Preparation

Graduates of Delaware State?s Biotechnology program possess the academic background, practical laboratory skills, and research experience to compete successfully for jobs and graduate school placements. Our students go on to careers in government, medicine, private industry, and public/private research laboratories, in fields such as

- environmental regulation / research
- plant engineering
- pharmaceuticals
- product development
- health care
- natural resources management
- science writing

Faculty

Members of the Delaware State biology faculty are highly committed to undergraduate education. Attentive and accessible, they go out of their way to cultivate students? interest in biology, research, and the sciences. Our instructors provide individual attention to each student, acting as mentors and advisors as well as classroom educators. They help students discover their academic strengths and lay solid foundations for graduate school and career development.

Research and Experience

All students on the Biotechnology track complete an independent research project for their Senior Capstone course. Additionally, most biotechnology majors get invited to join research teams made up of senior faculty and graduate students as early as the sophomore year. When research opportunities arise, undergraduates do more than simply wash test tubes; they play active, often significant roles in the research process. The skills they gain through this experience offer invaluable preparation for advanced degrees and/or scientific careers.

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