Chemistry

Introduction

Delaware State takes a hands-on approach to teaching chemistry. Our students spend less time in the lecture hall than students at other institutions do, and more time in the research lab. We encourage undergraduates to get involved in research projects early on, working alongside senior faculty and graduate students. In addition, all seniors in the chemistry program conduct an independent research project and present their findings to classmates and faculty.

Delaware State's chemistry department has an innovative research program, specializing in areas such as renewable energy, forensic science, pharmaceuticals, and health care. We have an intimate department with small class sizes, so chemistry students enjoy a lot of direct interaction with their professors. Above all, chemistry majors develop practical lab and research skills that can help them compete successfully for jobs and graduate-school placements.

Professional Preparation

A sizeable portion of Delaware State's chemistry graduates pursue advanced scientific degrees. Graduates who choose to go directly into the work force can find employment in chemistry-related fields such as

- environmental regulation / research
- pharmaceuticals
- product development
- health care
- energy
- natural resources
- science writing

Faculty

Members of the Delaware State chemistry faculty are highly committed to undergraduate education. Because the department is small and intimate, instructors can provide individual attention to each student, acting as mentors and advisors as well as classroom educators. They help students discover their academic strengths and establish solid foundations for graduate school and career development.

Research and Experience

The Delaware State chemistry department encourages undergraduates to get involved in research. The university hosts nine chemistry research labs and three multipurpose labs, all equipped with high-end instrumentation and advanced computer technology. Undergraduates often play significant roles in the research process. Delaware State's research emphases include hydrogen fuel cells, forensic chemistry, environmental chemistry, and pharmaceuticals.

The department maintains a very active student chapter of the American Chemical Society (ACS). The chapter provides opportunities for students to present research findings, interact with professional chemists and researchers, take field trips to chemistry-related companies, and more.

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