

Florham Scholars in Science

A Residential Option for Full-time Freshmen Students College at Florham • Madison, NJ

The Florham Scholars in Science, a new interdisciplinary honors program in biology, chemistry, computer science and mathematics, provides an outstanding opportunity for students to explore these disciplines in small group settings. Faculty from each of the disciplines serve as mentors, meeting regularly with students in the program. Through classroom, laboratory and field site work, students will develop the skills needed to succeed in graduate and professional schools, in the workplace and as leaders in the community.

This program is open to incoming freshmen enrolled in any academic program. However, the program accepts only a limited number of students from each incoming class.

The Florham Scholars in Science program is part of Fairleigh Dickinson University's on-going commitment to active, interdisciplinary education and experiential learning. Florham Scholars in Science will work closely with faculty dedicated to undergraduate research and mentoring. Science Scholars will live together in a common residence hall and learn with peers who share a strong academic motivation, superior academic credentials and a common interest in science. Guest speakers plus field trips to research laboratories and environmentally sensitive sites will further enrich this program.

PROGRAM OVERVIEW

During their freshman year, Florham Scholars in Science will participate in a weekly Science Scholars Seminar, an interdisciplinary course to acquaint them with the approaches these different disciplines use to pose and answer questions about a specific problem. The seminar is team-taught by faculty from biology, chemistry, mathematics and computer science who also serve as mentors to the students in the program.

In the fall semester students will be introduced to disciplinary methods of designing questions, decide upon a specific research problem, formulate a hypothesis, design an experiment to test the hypothesis and do relevant field sampling. Local areas including Loantaka Brook Reservation and the Great Swamp will be used as field study sites. During the spring semester students will continue field sampling while conducting biological and chemical analyses of samples. Data will be evaluated using both statistical and computer modeling tools. The spring semester will culminate in a presentation of research findings at a regional scientific meeting. Students will receive two credits for each semester of participation in this program.

In keeping with Fairleigh Dickinson University's mission to support global learning, Florham Scholars in Science students are encouraged to participate in an optional Field Experience during their first year Winter Intersession. Students will collect and analyze data that will become part of a continuing research project, and will receive one credit for participating in this research project.

ELIGIBILITY REQUIREMENTS

- Enrollment as a full-time freshman resident student
- A strong interest in science
- High school biology, chemistry and/or math course(s)
- Strong record of academic achievement in high school
- Minimum combined SAT score of 1100
- Personal interview

THE LEADER IN GLOBAL EDUCATION



FAIRLEIGH
DICKINSON
UNIVERSITY

FOR MORE INFORMATION

For more information or to request an application, write or call:

Paul Benzing, Ph.D.
Director, Florham Scholars in Science
285 Madison Ave., M-EC1-01
Madison, NJ 07940

Phone: 973-443-8776
E-mail: pbenzing@fdu.edu

Undergraduate Admissions

Phone: **1-800-FDU-8803**

E-mail: **globaleducation@fdu.edu**

Web site: **www.fdu.edu**

THE LEADER IN GLOBAL EDUCATION



**FAIRLEIGH
DICKINSON
UNIVERSITY**