At the University of Delaware, you develop teamwork and communication skills in a scientifically rigorous environment. Working in your team, drawing on multiple types of expertise, and making valuable professional contacts, you’ll work with outstanding faculty and industrial leaders who will stimulate you with today’s research challenges.

In Delaware, you’ll find professional mentors, industrial internships, funds for attending conferences, assistance in job placement, and a vibrant network of professional contacts to keep you connected with the education and career you’ve always hoped would be possible.

The IGERT program in biotechnology offers multidisciplinary research focused on protein structure, function and assembly. This is a pivotal research area with many career opportunities. The educational program adds to a strong academic experience; the additional features of workforce skills, career guidance, and collaboration with industry.

Your career will be multidisciplinary.
So should your graduate studies.

Sponsored by the National Science Foundation
Discover graduate education crossing traditional academic boundaries in the life sciences, physical sciences, engineering, and business administration:

- Exciting multidisciplinary research
- Outstanding faculty as research advisors
- Student-centered education and career development skills
- Research internships in private industry, local hospitals, or national labs
- State-of-the-art facilities
- Competitive graduate fellowships
- Central location in the mid-Atlantic bioscience corridor

IGERT Departments

- Biological Sciences
- Chemical Engineering
- Chemistry & Biochemistry
- Computer & Information Sciences
- Materials Science & Engineering
- Plant & Soil Sciences

UD Highlights

Understanding and controlling the structure, function and assembly of proteins is the key to realizing the full potential of biotechnology. Membrane proteins pose especially exciting opportunities to combat diseases, design more effective drugs, create novel materials, engineer more nutritious crops, and understand living cells.

Every day, new discoveries, new tools and techniques are expanding the questions we can answer. What would you like to explore?

To find out more information, contact Professor Anne Robinson, Department of Chemical Engineering at the University of Delaware: igert@che.udel.edu.

The Program

Multidisciplinary graduate education, research and training in biotechnology at the University of Delaware brings together science and engineering doctoral students and MBA students in powerful problem-solving teams.

Choose a research advisor from dozens of outstanding University of Delaware faculty, and launch a collaborative research project across departments, spanning topics that include living cells, new analytical and computational tools, and synthetic materials. Then, get critical private sector experience in the diverse local biotechnology industry – from start-up companies to large global enterprises.

Research Areas

- Membrane proteins
- Protein crystallography
- Systems Biology
- Microarray technology
- Protein assembly into materials
- Probes for living cells

Strong research program on protein structure, function and assembly.

Multidisciplinary team-building course with guest speakers in business and industry.

Students participate in internships in industry, hospital, or national lab.

Students have joint interdepartment mentors and out-of-department research experience.

Student-centered program for career development.

State-of-the-art instrumentation and facilities.

Support via graduate fellowships for U.S. citizens & permanent residents available.