BIOENGINEERING
GRADUATE FELLOWSHIP
The University of Georgia College of Engineering is looking for outstanding candidates with an interest in bioengineering to join their Ph.D. program in Spring 2022 or Fall 2022.

Participating graduate fellows will have the opportunity to work closely with engineering faculty in biomedical engineering, biosensing and diagnostics, bioenergy, bioconversion, biomaterials, tissue engineering, synthetic biology and metabolic engineering projects. Fellows will join a cohort of students in a stimulating learning environment. The training program includes a strong research component but also an intense training in teaching and collaborative proposal writing.

The program seeks candidates that are committed to learning, exchanging ideas, and enhancing the diversity and inclusion values at the University of Georgia. This program is part of a much larger innovation initiative at the UGA Innovation District and will allow you to explore your creativity while designing the next generation of bioengineering technologies.

The ideal candidate for this fellowship will have:

- B.S. or M.S. degree in Biological Engineering, Chemical Engineering, Biochemical Engineering, Biomedical Engineering, Biology, Microbiology, Chemistry, Biochemistry, Molecular Biology or equivalent.

- Hands-on experience in laboratory techniques applied to the above areas.

- Knowledge of contemporary applications of bio-based engineering.

- Candidates with awards in biological or chemical engineering related competitions are strongly encouraged to apply.
FELLOWSHIP APPLICATION

Outstanding candidates interested in this fellowship should submit the following documents electronically at this link:

engineering.uga.edu/graduate-student-funding

Note that the fellowship application is separate and independent of the application to graduate program.

1. CV (including a list of publications – if applicable – relevant experiences, programming experience, etc.)
2. A two-page statement of research interests and plans
3. A list of three references with contact information

GRADUATE PROGRAM APPLICATION

Once candidates’ fellowship applications are reviewed, candidates will be encouraged to submit a formal application to the graduate programs in the UGA College of Engineering. Detailed instructions for submitting an application, admission requirements, and a complete list of engineering graduate degrees can be found at this link:

engineering.uga.edu/graduate-programs/admissions

FUNDING

The program includes an assistantship for up to four years that includes the following:

- **Stipend** $30k per year
- **Tuition waiver** ($13k for in-state student and $37k for out-of-state student per year)
- **Travel funds** of $1000 in years 3 and 4 to attend conferences

POTENTIAL FELLOWSHIP PROJECTS

**Biosensing and Diagnostics**
Development of methods and tools for rapid diagnosis of chemical and biological targets including but not limited to pathogens, chemical agents and environmental pollutants.

**Biofuels**
Catalysis reactions leading to the conversion of bio-mass or bioproducts into bio products or other high value chemicals, conversion of biomass into energy.

**Metabolic Engineering**
Design and development of novel synthetic biology pathways using genetically engineered microorganisms for production of high value products.

**Biomaterials**
Synthesis and application of new polymeric materials for biomedical applications. Development of antimicrobial coatings for implantable applications.

**Engineering Tissues**
Cell culture and development to aid in treatment of diseases, drug development and pathophysiology.
THE BIRTHPLACE OF PUBLIC HIGHER EDUCATION IN AMERICA

The University of Georgia, a land–grant and sea–grant university, is one of the nation’s oldest, most comprehensive, and most diversified institutions of higher education. UGA is ranked among the top 16 public universities in U.S. News & World Report. The University’s main campus is located in Athens, approximately 65 miles northeast of Atlanta. The University’s enrollment totals nearly 40,000 students including over 30,000 undergraduates and over 9,000 graduate and professional students.

The College of Engineering, formed on July 1, 2012, is building a vibrant academic environment that fosters engineering education in a liberal arts environment and research that addresses critical societal needs. The College offers eight accredited undergraduate and seven graduate engineering degree programs spanning all engineering fields. The college has grown rapidly to more than 2,400 undergraduate and graduate students and 85 faculty members.

ATHENS: ONE OF AMERICA’S GREATEST COLLEGE TOWNS

There is something for everyone in the Classic City of Athens, Georgia. Whether you are a fan of the distinctively local restaurants, the locally–roasted coffee, the nationally–known music scene, or the city’s many historic treasures, Athens is a classic college town with plenty to keep you busy. Athens provides its residents with a small community feel, where there is truly a place for everyone. It is the perfect mix of education, fun, sports, and traditions – which are taken very seriously at UGA. Come ring the Chapel Bell to celebrate your biggest victories during your graduate fellowship and walk under the Arch when you reach the end of your journey.

UGA’s campus is just a few steps away from downtown Athens, giving students easy access to Athens’s thriving culture. More than 65 specialty shops, 55 restaurants and cafes and 40 taverns and music venues line the streets of downtown. Over the years, Athens has become a cultural hotspot, and a mecca for music and arts. Located in the rolling foothills of the northeast Georgia mountains, Athens is only an hour from Atlanta, the ninth–largest metropolitan area in the U.S. and home to the busiest airport in the world.