

# Summer 2022

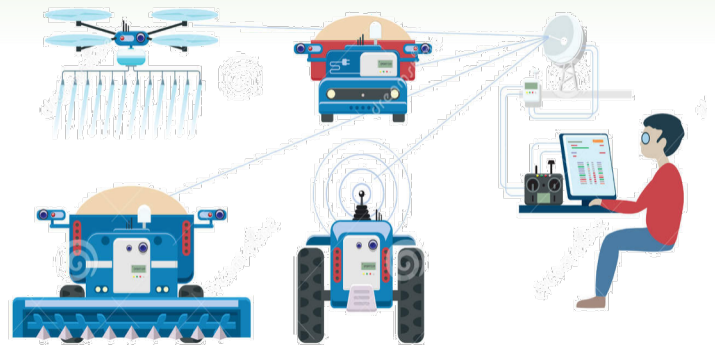
## Research and Extension Experience for Undergraduates

NIFA(USDA) REEU Site, College of Engineering, University of Georgia, Athens, GA.

<https://engineering.uga.edu/reu>

### Modern Tools and Technologies for Food & Agriculture Production

The program provides opportunities for undergraduate students to participate in research and outreach projects that focus on innovative, modern technologies for agricultural production, food safety and security, in addition to providing opportunities for professional skills development in communication, leadership and ethics.

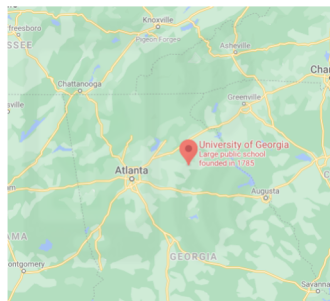


### Program Overview

- Participants perform research/outreach projects with graduate students under the mentorship of a professor.
- Participate in seminars, workshops, career counseling and professional development opportunities in STEM.
- Participants are matched with the professors based on student interests and faculty research projects.

### Program Site and City Information

The program site is the University of Georgia, in Athens, which is located 75 miles northeast of Atlanta airport. Athens is a vibrant college town, known for its music and culture, and its warm summer weather.



### Research Areas

- Rapid diagnostics tools for monitoring crop health
- Biosensors for detection of food pathogens
- Advanced imaging technologies for phenomics
- Drone/Robotics technologies for precision agriculture
- Cyber-physical systems for agriculture production
- Energy monitoring and management for crop growth
- Informatics based tools and systems for agriculture
- Data visualization and information processing
- Impact of climate on agriculture and food systems
- Development and optimization of electronic tools
- Indoor agriculture tools and technologies
- Understanding Food-Energy-Water-Health nexus.

#### Pandemic Contingency Disclosure

As of this announcement date, The University of Georgia (UGA) has plans to keep the campus open for summer research and will follow the recommendations and advice of CDC and GA DPH. If a decision was made to close the campus for in-person research, the program may be converted into a virtual program or get cancelled.

### Key Deadlines

**Full Application Due:** April 15, 2022

**Notification Date:** April 30, 2022

**Program Dates:** 6/1/2022 – 7/31/2022

### Logistics & Financial Support

- Stipend: \$3000 total for the full program period
- Housing : \$500 total (for external participants)
- Travel : \$500 total (for external participants)

### Eligibility

- Sophomore or Junior in 4-year STEM program
- Cumulative GPA > 3.0
- U.S. Citizen/National or U.S. Permanent Resident

### Application

- A link to FULL APPLICATION can be found on the website: [www.engineering.uga.edu/reu](http://www.engineering.uga.edu/reu). Full applications are due by April 10, 2021 and must include the following:
  - Completed web application (found on above webpage)
  - Transcript of STEM major (web upload)
  - Recent CV/resume (web upload)
  - 1-2 recommendation letters (web upload)
  - Statement of interest 400-500 words (web upload)
- Questions? please email: [enr-reu@uga.edu](mailto:enr-reu@uga.edu)



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