

"The EUREKA! program was an invaluable experience for me. I had the opportunity to do research that most students don't even begin until they are seniors or graduate students."

David Christopher
Civil Engineering



"The EUREKA! program has set me onto a connecting course with learning and research."

Kyle Ames
Chemistry



The Calhoun Honors College EUREKA! Program

Experiences in Undergraduate Research,
Exploration and Knowledge Advancement



"Coming to EUREKA! was definitely the best way to spend part of my summer. Not only have I benefited from a unique experience in the laboratories, but I now feel comfortable on campus."

Elizabeth Sloan
General Engineering



"My research was amazing! I will always cherish having a research experience before entering my freshman year."

Ashley Lawhon
Preprofessional Health Studies

CLEMSON
UNIVERSITY

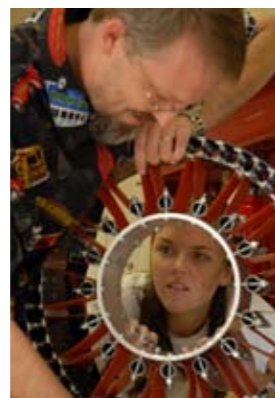


Research Rocks



Nearly everyone knows the story of the famous Greek mathematician Archimedes who, upon discovering his famous principle of fluid displacement while in a bathtub, ran naked through the streets shouting “Eureka!,” Greek for “I found it!”

Calhoun Honors College students have an opportunity to share Archimedes’ spirit of discovery. Experiences in Undergraduate Research, Exploration and Knowledge Advancement (EUREKA!) is an exciting new program that enables honors students to conduct research and work with faculty across all disciplines.



Why Participate?

EUREKA! is a unique endeavor that immerses incoming Calhoun Honors College students in the academic world of the University and enriches the academic experience for rising sophomores. If you’re accepted into the program, you’ll participate in a fascinating five-week research project and have the opportunity to get

acquainted with some of the University’s most renowned faculty and administrators. You’ll also get a head start on living the Clemson experience by meeting other incoming honors students and having fun with a full schedule of social activities. In addition to the advantages offered by active participation in research, EUREKA! offers these benefits:

- You have an opportunity to develop an academic family of mentors — the faculty adviser and his or her graduate students, undergraduates and associates.
- You can serve as a “research ambassador” to encourage other students. You may also serve as a lead student for a Creative Inquiry team that focuses on new multidisciplinary research efforts or even business ventures.
- You may continue conducting research throughout your academic career, and EUREKA! will allow you to develop an advanced set of skills that will give you a distinct advantage in reaching your academic goals.
- Participation will help you stand out early in your career as a strong candidate for the Rhodes, Goldwater, Marshall, Truman and Fulbright scholarships.
- Participation will enable you to be more competitive in applying for the highest caliber graduate or professional institutions.



Eligibility

To participate in EUREKA! you must be an entering freshman or a rising sophomore member of the Calhoun Honors College. If

you’re a sophomore, you must have a cumulative GPR of 3.40 or higher. Students are eligible to participate in EUREKA! for one time only. You must be enrolled as a full-time student at Clemson the semester following your EUREKA! experience. You must apply for admission to the program, which is limited to approximately 40 students.

Research Projects

Research projects range from math, science and engineering to the social sciences and humanities. Depending on the nature of the research project, some participants work with a faculty member in a one-on-one mentored relationship. In other cases, EUREKA! Participants may be part of a research team involving



faculty, graduate students and other undergraduates. These are some of the projects EUREKA! students have participated in:

- Electronic tongue and nose — Center for Bioelectronics, Biosensors and Biochips
- Animated work environment — Architecture
- Synthesis, characterization and modification of metal nanoparticles — Chemistry
- A non-antibiotic approach for the prevention and treatment of microbial infections — Biological Sciences
- The lifeboat project — Philosophy
- Total knee joint replacement simulator improvement — Bioengineering
- Understanding the worldwide fertility decline — Economics
- Comparison of North American language policies — Political Science
- Nutrient intake and anthropometric status of primary schoolchildren from Dominica — Food Science and Human Nutrition
- Radar studies of the ionosphere — Physics

“The exhilaration of creating a new chemical compound, discovering the cure for a devastating disease or developing innovative solutions to the world’s social and economic problems is amazing. Our hope is that through participation in EUREKA! you can experience this excitement for yourself and in the process discover the joys of active learning. In so doing, you will become a lifelong learner with an unquenchable thirst for knowledge and the abilities to achieve your highest educational aspirations.”



Social Activities

EUREKA! gives you a perfect opportunity to explore the diverse culture and natural beauty of South

Carolina’s Upstate. These are some of the activities EUREKA! students have enjoyed:

- White-water rafting
- Carowinds theme park
- Greenville Drive baseball game
- Bontecou sculpture-making
- Clemson Experimental Forest
- S.C. Botanical Garden
- CNN, Georgia Aquarium and World of Coca-Cola

For More Information on the EUREKA! Program

Please contact the Calhoun Honors College at (864) 656-4762 or visit www.clemson.edu/cuhonors.

Dr. Bill Pennington
Professor of Chemistry and Director of EUREKA!