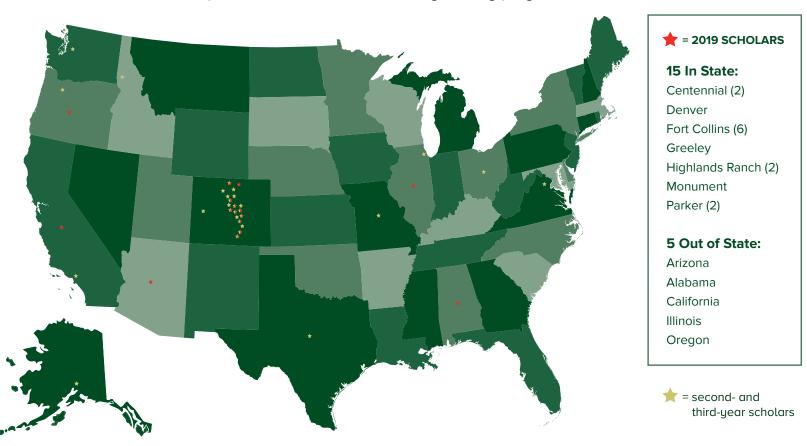




WALTER SCOTT, JR.

UNDERGRADUATE SCHOLARS

This year marks the third incoming class of Scott Scholars -20 of the most outstanding students from across the country who will benefit from and help us continue to build a reputation of excellence in our engineering programs.



"As a Scott Scholar, I am driven to take full advantage of the educational opportunities available both in and outside the classroom here at CSU. Knowing that someone else is willing to invest so much ... has helped me to better define the value of my education and how I will give back to the students of tomorrow."

- DIXIE POTEET,
Civil Engineering



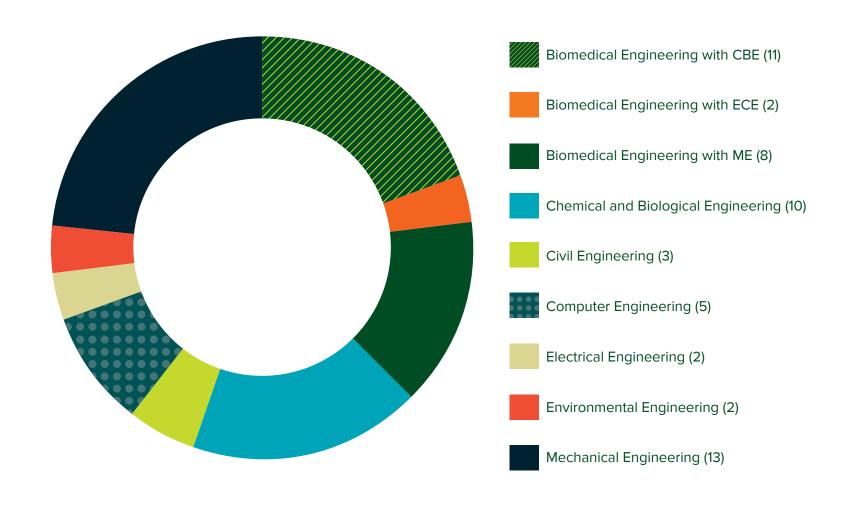
"I wouldn't be who I am today without the Scott Scholarship.
Along with generously funding my education, it has enriched my engineering career more than I could have ever imagined."

- OWEN WAHL,
Biomedical and
Mechanical Engineering



FALL 2017 - FALL 2019 COHORTS

SCOTT SCHOLARS BY MAJOR



SCOTT SCHOLARS — Academic Profiles

	FALL 2019 COHORT	INCOMING ENGINEERING AVERAGE
HIGH SCHOOL GPA	4.23	3.9
ACT AVERAGE	33	28
MALE/FEMALE	50% female	29% female
DIVERSITY	25% diverse	23% diverse

FALL 2017-2018
COHORTS

36/40
RENEWED IN
FALL 2019

AVG. GPA
3.86

RESEARCH THEME BY AREA OF EXCELLENCE

WATER

- Engineering microbial metabolism
- Hydrogeomorphic and ecological processes in riparian systems
- Remote sensing applied to hydrological modeling
- Water resources management

HEALTH

- Community resiliency
- Microscopy tech development, neuroengineering, neurobiology, metabolic imaging
- Nanotechnology and drug delivery for cancer treatments
- Promoting the longevity and health of existing infrastructure
- Safety analysis of the human-automation trust interaction for transportation systems
- "Smart" biomaterials for biosensors and drug delivery
- Tissue engineering and regenerative medicine

ENERGY

- Applied machine learning to energyefficient computer architecture design
- Combustion, alternative fuels, and laser diagnostics
- Energy-efficient distributed wireless networking
- Uncertainty quantification and electromagnetic modeling/design of complex systems

ENVIRONMENT

- Air pollution, energy/environment
- Atmospheric dynamics
- Climate dynamics and climate variability
- Climate research, including extratropical-tropical interactions
- Human-controlled environmental sensor
- Investigations into atmospheric chemistry
- Robotics, mechatronics, and fluid dynamics

WALTER SCOTT, JR.

GRADUATE FELLOWS

The Scott Fellows program attracts talented graduate students to the college to assist faculty with groundbreaking research and to train the next generation of innovators.



"Colorado State University was by far my first choice because of your philanthropic gift, the great Atmospheric Science program that CSU offers, and the human quality of all of the faculty and staff."

> - JULIETA F. JUNCOSA CALAHORRANO, ATMOSPHERIC SCIENCE



"The Scott Fellowship played a large role in finalizing my decision to attend CSU for my graduate studies. I am so thankful for the educational opportunity this University has made available to me, and I am incredibly excited to begin contributing to the fantastic research that is occurring here."

- CAMERON COLEAL, ELECTRICAL AND COMPUTER ENGINEERING



"This Scott Fellowship has helped attract the best talent to contribute to our research and development of new instruments to help clinicians who deal with mitochondrial diseases and skin cancer. I'm excited to start working with Cameron and serve as her Ph.D. mentor."

- JESSE WILSON, ASSISTANT PROFESSOR, ELECTRICAL AND COMPUTER ENGINEERING





United States

Davis, California Denver, Colorado

Fort Collins, Colorado Ithaca, New York

Lawrence, Kansas Milwaukee, Wisconsin

Raleigh, North Carolina Ruston, Louisiana

Seattle, Washington Southfield, Michigan International
Dehli, India

Guanshan Subdistrict, China Jeonju, Republic of Korea

Squamish, British Columbia, Canada

Taipei, Taiwan Tehran, Iran Topi, Swabi, Pakistan

WALTER SCOTT, JR.

DISCRETIONARY FUND

The Scott Discretionary fund provides the Dean's Office with flexibility to support student scholarships and leadership development programs, outstanding teaching, and innovative research. The generosity of the gift has created opportunities for students to make a difference through unique laboratory research experiences, policymaking internships, and helping people abroad.

The Scott Undergraduate Research Experience (or SURE) program provides opportunity for undergraduate students to work directly with faculty on research. SURE provides a path for undergraduates to learn about applications, scientific methods, collaboration, and social impacts of being an engineer.

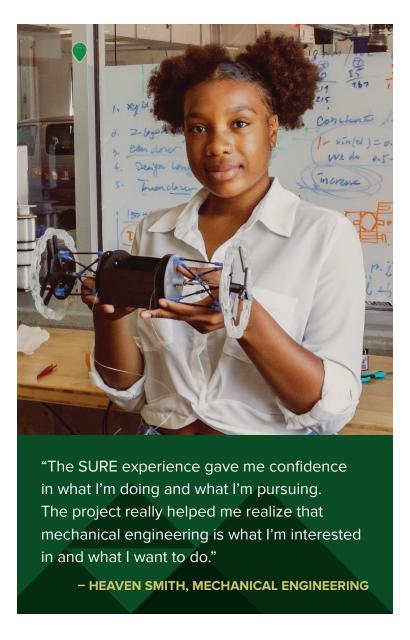
The Colorado Science and Engineering Policy Fellowship seeks to develop the next generation of policy and science leaders in Colorado. Students attend an eight-week intensive internship on the legislative process, which includes developing model laws and policies, collaborating with policymakers in the state Legislature, and visiting corporate and research sites throughout Colorado.

Thanks to the generosity of the fund, engineering students in a summer study abroad course and senior design project created prosthetic devices, manufactured them on-site, and worked with patients in Ecuador to understand their needs.

"This is the first time I've worked in a research lab. You never know what to expect ... you're always learning. I wasn't really sure where I wanted to go with biomedical engineering. It definitely made me more interested in research."

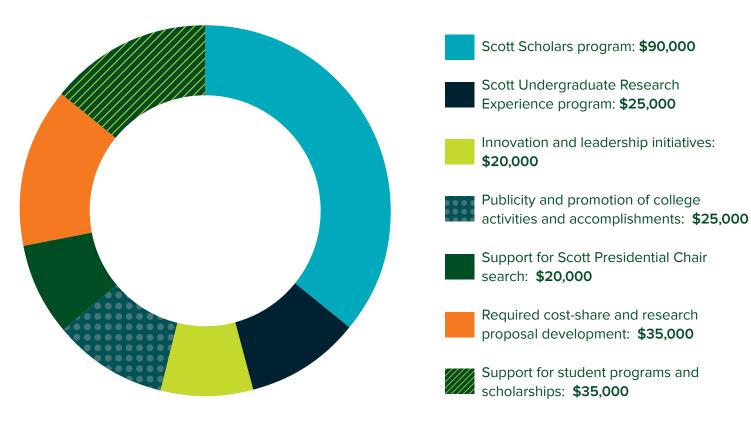
- TEAGAN MICHAUD, CHEMICAL AND BIOLOGICAL ENGINEERING AND SCHOOL OF BIOMEDICAL ENGINEERING





2018 - 2019

USE OF SCOTT DISCRETIONARY FUND







PRESIDENTIAL CHAIRS

Two of the four Walter Scott, Jr. Presidential Chairs have been awarded to known scholars whose research programs include one or more of our signature areas. The Scott Presidential Chairs bring demonstrated leadership that complements and builds upon our existing strengths and brings new dimensions to our research portfolio.



We continue to target world-class faculty with records of exceptional accomplishments to fill the remaining two chairs. In 2018, James Hurrell, who previously served as director of the National Center for Atmospheric Research in Boulder, joined CSU as the first Walter Scott, Jr. Presidential Chair in Environmental Science and Engineering.



Environmental expert Tami Bond appointed second Walter Scott, Jr. Presidential Chair

In August, Tami Bond, a respected researcher in energy consumption and global atmospheric chemistry, joined the college as the Walter Scott, Jr. Presidential Chair in Energy, Environment and Health. Bond is a John D. and Catherine T. MacArthur Fellow, and she has been appointed to the Department of Mechanical Engineering at Colorado State University at the rank of professor.

"I'm looking forward to working at Colorado State University because it's set up to be such a collaborative place.

I hope that very few projects are mine alone. I'm already working with other researchers on initiatives on the indoor environment in the United States and on rural development abroad."

- TAMI BOND, WALTER SCOTT, JR. PRESIDENTIAL CHAIR IN ENERGY, ENVIRONMENT AND HEALTH

"Dr. Bond's research has made pivotal contributions toward understanding the complex links between energy and climate. She consistently sets a standard in her approach to understanding how human choices affect our shared environment."

- SONIA KREIDENWEIS, UNIVERSITY DISTINGUISHED PROFESSOR AND ASSOCIATE DEAN FOR RESEARCH