



College of
**ENGINEERING, COMPUTING
AND APPLIED SCIENCES**

Academic Program Fee
ANNUAL REPORT
FY2021



**College of Engineering, Computing and Applied Sciences
Clemson University
117 Riggs Hall
Clemson, SC 29634**

World Class Educators

Funds generated by the Academic Program Fee have allowed the College of Engineering, Computing and Applied Sciences (CECAS) to hire 21 additional instructional faculty, including tenured/tenure-track faculty, since 2018. Eight of these faculty joined CECAS this year. The support has allowed us to increase faculty size and quality: more faculty translates to smaller classes and more offerings, and exemplary faculty provide our students with a better experience and a higher-quality education, helping to create more successful future alumni.



Our efforts in this area also have a direct impact on our national reputation and rankings. As revenues continue to grow, we will increase our expenditures, strengthening the positive impact we have on our students, who will benefit as they learn from the world-class educators these funds support.

Student Success, Retention & Graduation

These funds also supported various initiatives across the college including the following:

- A steady increase in the number of professional staff advisors in the college since 2018. By reducing the student-to-advisor ratio, students receive more personalized service as they seek guidance in their progress toward their degrees. This was especially helpful in serving students during COVID-19.
- Investment in a limited number of laptops and webcams that are available to be checked out to students on a temporary basis through a new technology loaner program.
- The launching of the Faculty Champions Program to empower CECAS faculty to develop sustainable programs and experiences that will enable students to broaden their technical and professional skillsets and mindsets. This program has led to the following:
 - A new seminar series focused on undergraduate research and advanced degree planning
 - A grant program to support undergraduate research
 - The expansion of the CECAS SPARK Challenge, an entrepreneurship program for CECAS students.



- CUHackit, HelloWorld, and the new Design-a-thon: Creativity, learning, and problem-solving marathons where students from different disciplines collaborate in small teams to work on real-world projects while industry professionals provide mentorship and professional development for the participants.
- The General Engineering Learning Community (GELC), a retention program helping first-time freshman engineering students who need additional support in calculus.



- Software to provide timely feedback to students on homework and tests.
- Staff support and continued development of LEADForward, a leadership development program for CECAS undergraduates.
- Support for the Automotive Engineering undergraduate certificate program.
- An advanced manufacturing curricular track for CECAS undergraduates launched in Fall 2019 at the Clemson University International Center for Automotive Research (CU-ICAR).

- Teaching assistants to provide supplementary support for undergraduate courses.
- IT staff dedicated to support CECAS students, faculty and staff. This support was especially important during the pandemic when more classes were offered through online and hybrid modalities.
- Dedicated staff to develop, support, and assess programming that promotes academic success, engaged learning, and community development for CECAS undergraduates.

State-of-the-Art Instructional Environments

In past years, funds generated by the Academic Program Fee have supported learning studios for project-based undergraduate curriculum enhancements and renovated advising and student lounge/study space. In FY21, due to the pandemic, the funds focused on programming and staffing to support student success.

Approved Programs and Fees:

Engineering Program Fee:

Full Time: \$1,250 per semester

Part Time: \$105 per credit hour

Computer Science Program Fee:

Full Time: \$500 per semester

Part Time: \$42 per credit hour

Total Actual Expenditures:

\$8,794,935

State-of-the-Art Instructional Environments

