School of the Earth, Ocean & Environment
College of Arts and Sciences
Impact

Research

School of the Earth, Ocean & Environment:
- 33 tenure track, 7 research, and 8 affiliate faculty
- External funding last 3.5 years: ~$19.5 million, 4th highest in CAS. Funding for 7 faculty with joint appointments is not included.
- 28 national/international faculty awards/fellowships, including 6 Fellows of the American Association for the Advancement of Science (see side-bar, next page)
- 2 Carolina Distinguished Professors; 1 College of Arts & Sciences Distinguished Professor, 1 McCausland Fellow
- Regional & local faculty research awards, last 5 years: 1 SEC Faculty Achievement Award, 1 Carolina Trustee Professor, 1 Educational Foundation Research Award, 6 USC Faculty Breakthrough Stars, 2 Faculty Breakthrough Leadership in Research Awards.
- 8 PhD degrees awarded in 2014-15.
- 1 Department of Energy Computational Science Graduate Fellowship, the first such award to a student at USC
- 5 Presidential Fellowship holders among current doctoral students.
- Spearheaded international graduate exchange programs, including with the University of Basra in Iraq.

Superior Student Experience

School of the Earth, Ocean & Environment:

The numbers:
- 22,638 total credit hour production in 2015: 21,377 undergraduate; 1,261 graduate. Up by 50%+ over 10 years.
- 489 majors in 5 undergraduate degree programs, fall 2015. Up by 7% over 2 years, and nearly doubled over 6 years.
- 90 undergraduate degrees awarded in 2014-15: 4 B.A., 86 B.S. 7th in number of undergraduate degrees among units within CAS.
- 24 graduate degrees awarded in 2014-15: 8 MEERM, 8 M.S., 8 Ph.D. 2nd in number of graduate degrees among units within CAS.
- 4 minor program degrees available.
- 16 Bachelor’s Graduation with Leadership Distinction, spring 2016.
- 16 Carolina Core Foundational Courses
- 7 Integrative Carolina Core Courses for the Major
- 38 Honors College majors, 8 Honors Course sections

The awards:
- 18 Hollings Scholars over the past 3 years. Represents 75% of all the Hollings awarded to USC students. USC leads the nation in awardees.
- 3 Goldwater Scholars, 1 Truman Scholar, 1 Udall Scholar, 2014-16.
20 Discovery Day winners, spring 2016.
1 Distinguished Undergraduate Research Mentor, 1 Outstanding Faculty Advisor Awards, spring 2016;
Last 5 years: 1 Mungo Distinguished Professor, 3 Mungo Undergraduate Teaching Awards.

The innovations:
45 study abroad students in 2014-15. Number has doubled over 5 years, and is twice the number expected based on the proportion of majors in CAS.
Multiple field-based courses, including MayMester at Congaree National Park, Geology Field Camp, Marine Science 460.
Beyond the classroom experiences: multiple internship opportunities including the Riverbanks Zoo internship, collaborations with Sustainable Carolina & Green Quad.
4 active award-winning student academic clubs
NSF funded GeoScholars Program to increase minority undergraduate representation in the GeoSciences, including recruitment and retention.
NSF funding to increase minority graduate representation in the GeoSciences, in collaboration with Claflin University (an HBCU)

Flexible Models for Access and Affordability

School of the Earth, Ocean & Environment:
Accelerated Bachelor’s/ Master’s degree in Geological Sciences, in Marine Science and MEERM. Allows students to obtain a Bachelor’s degree in their 4th year and a Master’s degree in their 5th year.
Courses offered at Ft. Jackson and evenings: 26 seats filled in Ft. Jackson courses, and 195 seats filled in evening courses over the past 3 academic years.

SC Economic and Overall Well-Being

School of the Earth, Ocean & Environment:
One of 10 universities in the Advanced National Seismic System, through the South Carolina Seismic Network operated with USGS.
Rapid Earthquake Viewer (rev.seis.sc.edu) and learning modules used in K-12 teaching; 6+ million “hits” and 5000 visitors/month in 2015.
Girls Go for IT, co-ed Dent Gets IT: middle school computer camp, school club support, with high participation by under-represented groups.
Presentations by undergraduate marine sciences club to K-6 classrooms, including touch-tanks.
Extensive participation as, e.g., science fair judges.
Co-sponsor of regional symposia on water & food, climate adaptation, etc.
Support for Gills Creek Watershed Association.