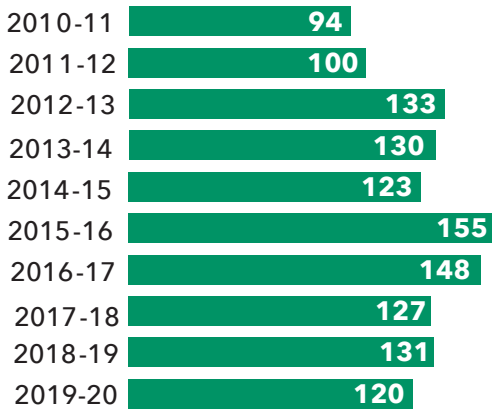


ENVIRONMENTAL ENGINEERING PROGRAM

GOALS

- ▶ Delivers graduates with a high-quality education in engineering, life and physical sciences who are well prepared for careers in the fields of medical devices, health care, biotechnology and medicine, for graduate study and professional training.
- ▶ Provides an entrepreneurial, interdisciplinary and service-oriented environment and curriculum.
- ▶ Values diversity, ethical practice and professionalism in the field and collaboration across the engineering, science and medical disciplines.

STUDENTS ENROLLED



ENVIROMENTAL
ENGINEERING
FACULTY

3

MALE

2

FEMALE



SAMPLE CAPSTONE/SENIOR PROJECTS:

- ▶ Alternative energy sources for Lee County traffic lights: Explored methods of running traffic lights with the use of solar power.
- ▶ Microorganisms on children's toys: Sampled bounce houses for coliform, fecal coliform, staph infection and other bacteria, then expanded to include FGCU's Family Resource Center and the microbiology of children's toys.

STUDENTS ACCEPTED TO GRADUATE PROGRAMS AT:

- ▶ Colorado State, University of California - San Diego (Scripps Institute of Oceanography), University of Central Florida, University of Florida, University of South Florida, University of Texas-Austin

TOP EMPLOYERS OF ENVIRONMENTAL ENGINEER GRADUATES:

- ▶ CDM-Smith
- ▶ Stantec
- ▶ Hole-Montes
- ▶ Tera-Tech
- ▶ AECOM





HISTORY

2005

- ▶ The School of Engineering opens with 25 students.

2009

- ▶ Holmes Hall, which houses the program, opens in January.
- ▶ The first engineering class graduates in May.
- ▶ The U.A. Whitaker College of Engineering is established.

2011

- ▶ Software Engineering is introduced as a major.

2016

- ▶ Emergent Technologies Institute opens.

2017

- ▶ Master of Environmental Engineering program begins.

2019

- ▶ Construction Management program begins.

STUDENT ORGANIZATIONS

- ▶ American Institute for Steel and Construction (AISC)
- ▶ American Society of Civil Engineers (ASCE)
- ▶ Biomedical Engineering Society (BMES)
- ▶ Engineering Community Outreach (ECO)
- ▶ Florida Engineering Society (FES)
- ▶ Florida Water Environment Association (FWEA)
- ▶ National Society of Black Engineers (NSBE)
- ▶ Software Engineering Club (SEC)
- ▶ Society of Hispanic Professional Engineers (SHPE)
- ▶ Society of Women Engineers (SWE)

TOP EMPLOYERS

- ▶ **Bioengineering:** Arthrex and Innovo, Inc.
- ▶ **Civil Engineering:** Johnson Engineering, Barraco and Associates, AECOM
- ▶ **Environmental Engineering:** CDM-Smith, Hole-Montes, AECOM, Stantec, Tera-Tech
- ▶ **Software Engineering:** FlightDocs, Hertz, Fischer International, CallMiner

