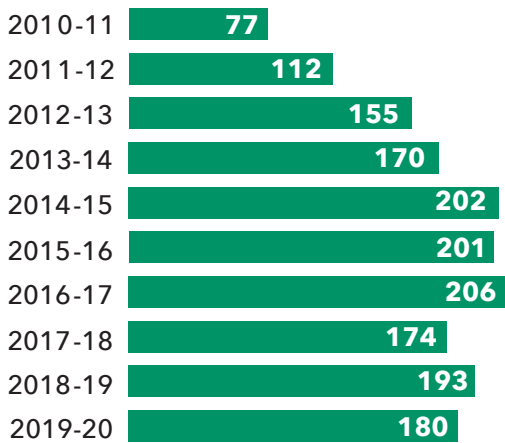


U.A. WHITAKER COLLEGE OF ENGINEERING
BIOENGINEERING PROGRAM

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



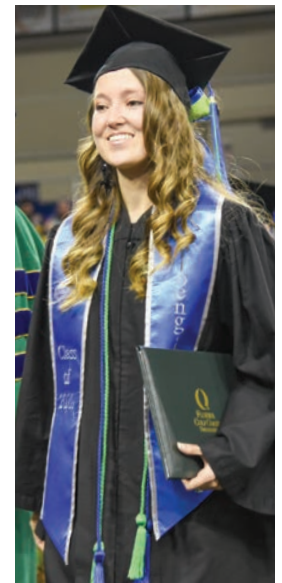
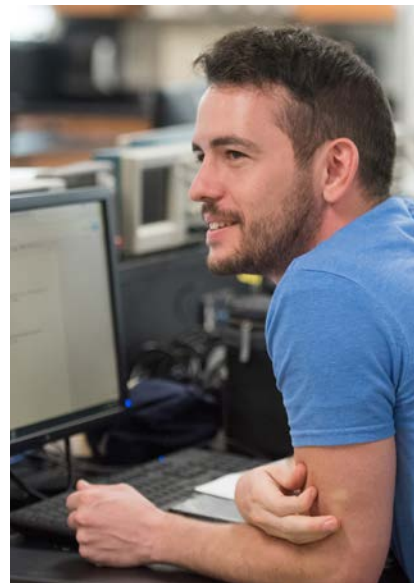
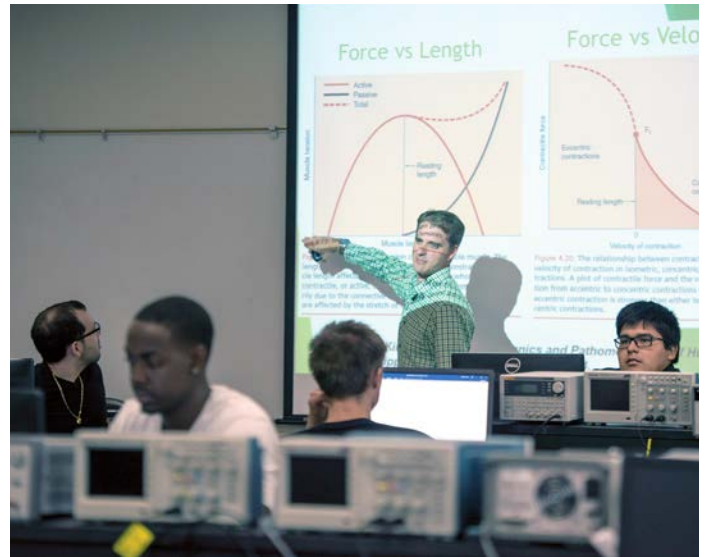
**BIO
ENGINEERING
FACULTY**

3

MALE

2

FEMALE



SAMPLE CAPSTONE/SENIOR PROJECTS:

- ▶ Building a better prosthetic hand: Developed a low-cost 3D printed prosthetic hand to better suit needs of a local patient.
- ▶ Virtual reality gait rehabilitation system: Created a low-cost VR environment using commercial products to aid in patient biomechanical rehabilitation.

STUDENTS ACCEPTED TO GRADUATE PROGRAMS AT:

- ▶ Northwestern University, South Dakota School of Mines, Tulane University, University of Connecticut, University of Florida, University of Kansas, University of Miami Medical School

TOP EMPLOYERS OF BIOENGINEERING GRADUATES:

- ▶ Arthrex
- ▶ Innovo, Inc.





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

