Give Your Career that UF EDGE

Professional engineers can earn a master’s degree at a time and place convenient to them through programs from University of Florida Electronic Delivery of Graduate Engineering. UF EDGE helps technical professionals update core knowledge in their engineering disciplines, learn about emerging technologies and acquire new skills in related engineering areas.
Florida's Best Engineering College

The UF College of Engineering is ranked as the No. 1 engineering college in Florida and as one of the top 25 in the nation by U.S. News & World Report magazine. Our faculty is recognized internationally for cutting-edge research. They bring expertise and enthusiasm into the classroom and provide students with the most up-to-date knowledge in the field.

Learn Anywhere, Anytime

UF EDGE brings this exciting learning experience to a worldwide audience of place-bound engineers through a variety of distance learning technologies accessible at the workplace, home, and other sites.

UF EDGE programs are delivered by streaming video directly to the student. These are the same courses taught by University of Florida College of Engineering faculty on campus. Courses are supplemented by additional course material and interaction.

The degree can be completed in as little as 24 months.

Master's Degrees Do Pay Off

A master's degree in engineering can be worth $2.5 million over the course of your career, according to a recent U.S. Commerce Department Census Bureau study that compares educational level to work-life earnings.

The investment of time and tuition dollars toward a master's degree can bring a terrific return in total income. Starting salaries for engineers with a master's degree can be $8,000–$10,000 higher than for those with only a bachelor's degree.

Admission

Admission is coordinated by the department of Civil & Coastal Engineering. For additional information, contact:

Ralph Ellis
352.392.9537 ext. 1485
relli@ce.ufl.edu

Applicants must have:

- A bachelor of science degree in civil engineering with a cumulative undergraduate GPA of at least 3.0 on a 4.0 scale
- Satisfactory scores on the general portion of the Graduate Record Examination (GRE) with a minimum score of 650 on the quantitative portion and 400 on the verbal portion

For international students whose first language is not English, a minimum score of 600 on the Test of English as a Foreign Language, TOEFL, is required to be excused from English language course requirements.

Curriculum for the Master of Science Degree in General Civil Engineering

Master's degree programs offered through UF EDGE are non-thesis. A non-thesis master's degree requires the completion of 10 three-semester credit hour courses as outlined in the degree curriculum. A minimum cumulative GPA of 3.0 is required for graduation.

Fall

CGN 6155 Construction Engineering I (3)
Advanced Construction Engineering management skills and procedures in support of design and construction practice at the project level.

TTE 5256 Traffic Engineering (3)
Prereq: TTE 4004 or equivalent, or consent of instructor. Traffic studies; statistical applications; traffic operations for uninterrupted and interrupted flow facilities.

CGN 6905 Geo Systems I (3)
Basic principals of foundation design and soil-structure interaction.

CGN 5605 Public Works Planning (3)
Functional approach to planning and implementing public works needs with emphasis on the role of the engineer.

Summer

CGN 6905 Traffic Flow Theory (3)
Microscopic and macroscopic traffic flow characteristics; traffic stream models; shockwaves, queuing and other traffic operational analysis methods.

CGN 6156 Construction Engineering II (3)
Advanced construction engineering management skills and procedures in support of design and construction practice above the project level.

Notes:
CCE 5035, is currently taught as three hours by adding one hour of CGN 6905 to the exiting two hour section.