Admissions Checklist

- Graduate Admissions Application: admissions.ufl.edu/apply/graduate
- Include the following information:
  1. College: EG
  2. Program: Civil Engineering (CE); Coastal and Oceanographic Engineering (COA); or Environmental Engineering Sciences (EES)
  3. Research/Specialization (required)
  4. Approximately 24-48 hours after submitting an application, you will receive an email with information on how to set-up the check status page.
- Statement of Purpose
- Three Letters of Recommendation
- 3.0 Upper-Division GPA
  NOTE: We recommend international applicants use the Foreign Credits, Inc. GPA Calculator.
- Official Transcripts
- Official Test Scores or FE/PE Verification
- Resume (optional)
- Background courses

For more information, please visit: essie.ufl.edu/graduate

Building Tomorrow’s Leaders

ESSIE is uniquely comprehensive in its ability to address new research on civil, coastal, environmental, infrastructure and community needs. Our suite of academic and research programs foster the multidisciplinary collaborations needed to address today’s and tomorrow’s challenges. Our research thrusts fall into several broad areas.
Each of our research thrusts requires contributors from the traditional civil, coastal and environmental disciplines. Graduate students may seek academic training and research opportunities in one or more of the following disciplines. Visit essie.ufl.edu/research to learn more.

AIR RESOURCES
This group models how pollutants are created, designs measurement techniques, devises control technologies, models the fate of the pollutants, evaluates health effects, and characterizes composition of past, present, and future atmospheres.

COASTAL & OCEANOGRAPHIC ENGINEERING
The group is composed of faculty with a wide range of expertise to address coastal problems. Faculty teach a variety of graduate courses while implementing state-of-the-art pedagogical methods.

COASTAL ECOSYSTEM DYNAMICS (CESD)
This program is striving to advance fundamental science, provide solutions for resilient coastal communities, and train the next generation of scientists and engineers to succeed in academic and non-academic careers.

ENGINEERING EDUCATION COLLABORATIVE
The group is a group of faculty who conduct research aimed at improving engineering education. Research ranges from fundamental studies on the engineering education ecosystem to implementation of new approaches for the education of students.

ENVIRONMENTAL NANOTECHNOLOGY
The group investigates the implication of nanotechnology on environmental systems as used in the development of nanodevices and nanoscale databases for environmental remediation, energy production, and sustainable manufacturing.

GEOSYSTEMS ENGINEERING
This program focuses on groundwater and water issues through collaborative efforts of multidisciplinary faculty in five interdependent and multiply reinforcing areas: soil structure interaction, geophysical hazards and remediation, geotechnical modeling, computational geomechanics, waste and soil management, and beneficial use of waste materials.

MATERIALS & PAVEMENT
The group is devoted to developing sustainable and impactful solutions to the public through business, industry, education, and government.

NEW INFRASTRUCTURE PLANNING
Research thrusts focus on energy and climate, cybersecurity, autonomous systems, and improving the impacts of wastewater infrastructure, environmental impact, design and engineering of resilient infrastructure, and planning for infrastructure resilience.

STRUCTURAL ENGINEERING
The group investigates infrastructure system response to extreme-event loading, durability of infrastructure and materials, health monitoring, evaluation and strengthening of existing structures, and the development of computational models to improve long-term sustainability of new infrastructure.

SUSTAINABLE CONSTRUCTION ENGINEERING
This program focuses on the delivery of heavy civil infrastructure projects. Graduates are prepared to plan, manage, and provide engineering support on heavy civil projects.

SUSTAINABLE MATERIALS MANAGEMENT
This program focuses on reduction, recycling, and beneficial reuse, and sustainable disposal of domestic waste streams and industrial by-products.

SYSTEMS ECOLOGY & ECological ENGINEERING
Our research areas include with an integrative education to prepare students for careers that prepare them to develop interdisciplinary solutions, design novel engineering tools, and articulate creative policies to address a range of environmental challenges.

TRANSPORTATION ENGINEERING
Transportation engineers pursue innovative solutions to meet urban and regional mobility needs. Current research initiatives focus on autonomous and connected vehicles, big data in transportation, safety analytics, and infrastructure. The UF Transportation Institute (UTFI) provides extensive and transformative research opportunities.

WATER SYSTEMS
This group develops the science and engineering for conveyance, treatment and reuse of potable, wastewater and stormwater stormwater, manage water resources, and assess the human and environmental health impacts while modeling the components of the hydrologic cycle and the impacts of climate on water resources, human and environmental health.

Graduate Degree Programs

DEPARTMENT OF CIVIL & COASTAL ENGINEERING
As a department with a strong emphasis on social consciousness, we continue to graduate students who make outstanding contributions to the public through business, industry, education, and government.

DEPARTMENT OF ENVIRONMENTAL ENGINEERING SCIENCES
The department is a leader in interdisciplinary programs aimed at solving environmental problems and as a major on campus crucible for solving environmental problems and as a major on campus crucible for identification, conceptualization and resolution of environmental issues.

Application Deadlines

U.S.
Master’s & Doctorate
- Fall: June 1
- Spring: November 15
- Summer (only EDGE program): March 31

Doctorate Priority Funding Consideration
- Fall: December 5

INTERNATIONAL
Master’s & Doctorate
- Fall: March 1
- Spring: September 1
- Summer (only EDGE program): March 1

Latin American Caribbean Scholarship

We participate in the Latin American Caribbean Scholarship award program. Under Florida statute 1009.21, full-time students who are a citizen of a Latin American or Caribbean country (including Puerto Rico and the U.S. Virgin Islands) and who receive scholarships from the federal or state government shall be classified as residents for tuition purposes.

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- Chad Spreadbury, E.I.
Department of Environmental Engineering Sciences