



## RESEARCH AREAS

- Air Resources
- Coastal & Oceanographic Engineering
- Coastal Ecosystem Dynamics
- Engineering Education
- Environmental Nanotechnology
- Geosystems Engineering
- Materials & Pavements
- New Infrastructure Planning
- Structural Engineering
- Sustainable Construction Engineering
- Sustainable Materials Management
- Systems Ecology & Ecological Engineering
- Transportation Engineering
- Water Systems



**Kirk Hatfield, Ph.D.**  
DIRECTOR, ESSIE

The Engineering School of Sustainable Infrastructure & Environment (ESSIE) continues to improve and advance sustainability through a nexus of the civil, coastal, environmental and oceanographic programs.

ESSIE is comprised of the **Department of Civil and Coastal Engineering** and the **Department of Environmental Engineering Sciences**.

The School offers comprehensive, innovative undergraduate and graduate programs. Instilling excellence in research, leadership and entrepreneurship are ESSIE's highest priorities. A growing number of undergraduate and graduate students participate in a college-wide initiative to associate training in entrepreneurship, innovation, and leadership skills in engineering.

ESSIE is uniquely prominent in its ability to address the new research on coastal, environmental, infrastructure and community needs. No other institution offers a suite of academic and research programs or synthesizes and combines all of the unique qualifications.

**2%** of the nation's newly licensed **Professional Civil Engineers (PE)** were CE graduates

**6%** of the nation's newly licensed **Professional Environmental Engineers (PE)** were EES graduates

**#19** in the nation in undergraduate **Civil Engineering Programs** among public institutions

**#10** in the nation in undergraduate **Environmental Engineering Programs** among public universities

**#17** in the nation in graduate **Civil Engineering Programs** among public institutions

**#18** in the nation in graduate **Environmental Engineering Programs** among public institutions

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