

SUSTAINABLE AND RESILIENT ENERGY ENGINEERING CERTIFICATE

The Sustainable and Resilient Energy Engineering certificate provides a comprehensive educational experience for engineering students interested in sustainable energy, advanced energy generation, storage, and grid resiliency technologies.

About this Program

- **College:** Herbert Wertheim College of Engineering (<http://catalog.ufl.edu/UGRD/colleges-schools/UGENG/>)
- **Credits:** 9 | Three courses completed with a composite 3.0 GPA; each course completed with minimum grade of C.
- Student Learning Outcomes (SLOs) (<https://public.tableau.com/app/profile/uf.oipr4918/viz/UFLStudentLearningOutcomesCertificatesOnly/StudentLearningOutcomes/?publish=yes>)

Certificates must comply with the Certificate Policy.

Department Information

The Department of Mechanical & Aerospace Engineering (MAE) graduates many exceptional mechanical and aerospace engineers each year. The Mechanical Engineering program celebrated its 100 year anniversary in 2009 and is one of the founding departments of the Herbert Wertheim College of Engineering. Starting within mechanical as an aeronautical option, the Aeronautical Engineering program was founded in 1946. It grew to become the Aerospace Engineering program, which merged with Engineering Science and Mechanics in 1969. All these programs united (or reunited) in 2002. Going strong into the 21st century, MAE remains a vibrant and intellectually diverse program at both the undergraduate and graduate levels.

Website (<https://mae.ufl.edu/>)

CONTACT

352.392.0962

Email (advising@mae.ufl.edu) | Map (<https://campusmap.ufl.edu/#/index/0725>)

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Gainesville, FL 32611-6250

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Gainesville, FL 32611

Map (<https://campusmap.ufl.edu/#/index/0033>)

Curriculum

- Biomechanics Minor
- Combination Degrees
- Mechanical Engineering
- Sustainable and Resilient Energy Engineering Certificate

This certificate is open to students having a cumulative 3.0 GPA in any engineering discipline.

Required Courses

Code	Title	Credits
Select three:		9
EMA 4450	Li-ion Next Generation Batteries	
EML 3100	Thermodynamics	
EML 4450	Energy Conversion	
EML 4461	Industrial Energy Management	
EML 4416	Solar Energy Utilization	
Total Credits		9