

MASTER OF SCIENCE ENGINEERING



GRADUATE STUDIES



Program Description

The Master of Science in Engineering (MSE) offers emphasis in Environmental Engineering and Renewable Energy Engineering. This program prepares students to receive or maintain professional engineering licensure and to continue studies at a doctoral level. Additional information is available at <https://www.fgcu.edu/eng/mse/>

Admissions Requirements

- FGCU graduate application
- Official academic transcripts from every college or university attended
- Baccalaureate degree from a regionally accredited institution
- Graduate Record Exam (GRE) official scores OR Bachelor of Engineering within the past 5 years w GPA 3.5 or higher
 - Minimum GRE: Verbal=145, Quantitative=150
- GPA of 3.0 or higher on a 4.0 scale in the last 60 hours of undergraduate coursework
- Resume
- Three recommendations, at least one from academic reference
- Statement of objectives, stating intended concentration (less than 2 pages)
- International students must have a satisfactory score on the TOEFL exam (minimum score of 550 paper-based, 213 computer-based, or 79 internet-based) for students from countries where English is not the primary language

Satisfaction of minimum University and program requirements does not guarantee admission to a graduate program. Applicants should check with the program for the most up to date admission requirements prior to commencing the application process.

Application Deadlines

Fall – July 1

Spring – November 15

Graduate Full-Time Student Cost of Attendance

Expenses	Florida Resident	Non Florida Resident
Tuition and Fees	\$6,720	\$23,412
Books and Supplies	\$1,200	\$1,200
Room and Board	\$9,672	\$9,672
Estimated Total Cost	\$17,592	\$34,284

The in-state tuition cost for FGCU is \$373.38 per credit hour.
The out-of-state tuition cost for FGCU is \$1,300.66 per credit hour.
Tuition & Fees figures are based on a graduate student taking 9 graduate credit hours per term for 2 terms (Fall & Spring).
For more details, visit: fgcu.edu/Graduate/Financing-graduate-studies

Program Details

Credit Hours Required in Major – 30 Credit Hours

Core Courses (18-21 credits)

LAW 5072 Business Law for Engineers and Entrepreneurs (3)
EGN 5455 Numerical Methods in Engineering (3)
EGN 6344 Environmental Thermodynamics (3)
EGN 6457 Research Methods (3)
EGN 6730 Renewable Sustainable Systems (3)
EGN 6941 Project (3) *or*
EGN 6971 Thesis 1 (3) *and* EGN 6973 Thesis 2 (3)

Restricted Electives (9-12 credits)*

The following are grouped by area of emphasis

Environmental Engineering

CWR 6537 Contaminant Transport (3)
CWR 6637 Surface Water Quality Modeling (3)
ENV 6366 Bioremediation (3)
ENV 6516 Advanced Treatment Systems (3)

Renewable Energy Engineering

EAS 6302 Direct Energy Conservation (3)
EEL 6272 Smart Power Grids (3)
EEL 6285 Sustainable Energy Sources (3)
ETP 6515 Biofuels (3)

*Students who elect thesis will take 9 credits; students who elect project will take 12 credits.

~Above is a brief preview of the program content at the start of the 2019-2020 academic year. Information regarding program requirements and admissions are specific to a student's catalog year. This information is corrected or adjusted as needed. For more details, please review the University Catalog.
<http://www.fgcu.edu/catalog/>

Contact Information

Office of Research and Graduate Studies

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Inspiring those who inspire others...that's THE FGCU EFFECT