

ENGINEERING INNOVATION MINOR

Graduates with this minor across all engineering disciplines are better prepared to enter the market place as innovators and leaders in myriad technology-centric industries. The minor provides the academic background for graduates to think more creatively, innovatively, and entrepreneurially. Graduates are more rounded with innovation skill sets that enhance career advancement opportunities, either for employers or in their own entrepreneurial pursuits.

About this Program

- **College:** Herbert Wertheim College of Engineering (<http://catalog.ufl.edu/UGRD/colleges-schools/UGENG/>)
- **Credits:** 15 | Completed with a minimum 2.8 combined GPA

Related Programs

- Engineering Innovation Certificate

Open to all Herbert Wertheim College of Engineering majors. Students can only complete one UF Innovation minor. Students cannot earn both the Engineering Innovation minor and Engineering Innovation certificate.

The curriculum enhances the engineering discipline with courses in engineering attributes, communications, innovation, entrepreneurship, creativity, leadership, and project management, and can also include an internship/co-op experience. The UF Engineering Innovation Institute oversees this minor.

This minor develops a deep and comprehensive skill set in undergraduate engineering students that can be applied to innovation-driven enterprises as well as in “intrapreneurial” initiatives within larger organizations. The core themes involve creativity, the study of engineering-focused innovations, technological entrepreneurship, leadership of teams focused on technology and engineering, engineering project management, and professional development for engineers.

This minor complements the technical training in the student’s major discipline by providing the tools and knowledge required for engineering innovators.

Required Courses

Code	Title	Credits
ENC 3246	Professional Communication for Engineers	3
EGN 4643	Engineering Innovation	3
Select 9 credits:		9
EGS 2036	Fundamentals of the New Engineer	
EGN 2020C	Engineering Design & Society (Freshman Design)	
EGN 4641	Engineering Entrepreneurship	
EGS 4038	Engineering Leadership	
EGS 4100	Divergent Thinking	
EGS 4625	Fundamentals of Engineering Project Management	
Up to 3 credits of the below courses can count towards the 9 credits above:		
ABE 4949	Work Experience in Biological Engineering	
BME 3941	Internship Experience in Biomedical Engineering	
CEN 4940	Practical Work in Computer Engineering	
CGN 4949	Co-op Work Experience	
CIS 4940	Practical Work	
CIS 4949	Co-Op Work in CISE	
EAS 4949	Co-op Work Experience	
ECH 4948	Internship Work Experience	
ECH 4949	Co-op Work Experience	
EEL 4948	Practical Work in Electrical and Computer Engineering	
EEL 4949	Co-op Work Experience	
EGN 4940	NSF Fellowship Preparation	
EGN 4949	Engineering Internship/Co-op	
EGN 5949	Practicum/Internship/Cooperative Work Experience	
EIN 4944	Practical Work in Industrial and Systems Engineering	
EMA 4949	Co-Op Work Experience	
EML 4945	Practical Work in Mechanical Engineering	
EML 4949	Co-op Work Experience	
ENU 4949	Co-op Work Experience	
ENV 4949	Environmental Engineering Internship/Co-op	

ESI 4949	Co-Op Work Experience	
Total Credits		15
