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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3246</td>
<td>Professional Communication for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>EGN 4643</td>
<td>Engineering Innovation</td>
<td>3</td>
</tr>
<tr>
<td>EGS 2036</td>
<td>Fundamentals of the New Engineer</td>
<td>3</td>
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<tr>
<td>EGN 2020C</td>
<td>Engineering Design &amp; Society (Freshman Design)</td>
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<tr>
<td>EGN 4641</td>
<td>Engineering Entrepreneurship</td>
<td>3</td>
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<tr>
<td>EGS 4038</td>
<td>Engineering Leadership</td>
<td>3</td>
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<tr>
<td>EGS 4100</td>
<td>Divergent Thinking</td>
<td>3</td>
</tr>
<tr>
<td>EGS 4625</td>
<td>Fundamentals of Engineering Project Management</td>
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Select 9 credits:

- 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESI 4949</td>
<td>Co-Op Work Experience</td>
<td>15</td>
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</table>

Total Credits: 15