ENGINEERING | EXPLORING ENGINEERING STUDIES

The Exploring Engineering Studies plan is intended for students who want to major in engineering but have not yet chosen a specific discipline or for students who need to take both pre-tracking chemistry and mathematics courses in their first semester.

About this Program

- **College:** Herbert Wertheim College of Engineering (http://catalog.ufl.edu/UGRD/colleges-schools/UGENG)
- **Degree:** None
- **Credits for Degree:** N/A

This is not a degree-granting major. Students should work with their academic advisors to choose a degree-granting engineering major by semester three.

Critical Tracking

Critical Tracking records each student’s progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Semester 1

- Complete CHM 1025 and MAC 1147 with minimum grades of C within 2 attempts, including withdrawals. At least one course must be passed in semester 1
- 2.5 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 2

- Complete 2 of the 8 critical-tracking courses with minimum grades of C within two attempts, including withdrawals: CHM 2045 or CHM 2095, CHM 2046 or CHM 2096, MAC 2311, MAC 2312, MAC 2313, MAP 2302, PHY 2048, PHY 2049
- 2.5 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 3

- Complete 2 additional critical-tracking courses with minimum grades of C within two attempts, including withdrawals
- 2.5 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 4

- Complete 2 additional courses with minimum grades of C within two attempts, including withdrawals
- 2.5 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 5

- Complete all 8 critical-tracking courses with minimum grades of C in each course, within two attempts
- 2.5 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Model Semester Plan

Undecided engineering students who are ready to begin one or both critical-tracking courses in semester 1 should meet with their academic advisor to adjust the recommended plan of study.

To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold. These courses must be completed by the terms as listed above in the Critical Tracking criteria.

This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student’s academic record and scheduling availability of courses. Prerequisites still apply.

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>ENC 1101</td>
<td>Expository and Argumentative Writing (If you do not place out of this course, take it in the fall)</td>
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<td>CHM 1025</td>
<td>Introduction to Chemistry (Gen Ed Physical Sciences)</td>
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<td>EGS 1006</td>
<td>Introduction to Engineering (recommended)</td>
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<td>MAC 1147</td>
<td>Precalculus Algebra and Trigonometry (Gen Ed Mathematics)</td>
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<td>Gen Ed Social and Behavioral Sciences</td>
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<td>Semester Two</td>
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<td>CHM 2045</td>
<td>General Chemistry 1 (Critical Tracking; Gen Ed Physical Sciences)</td>
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<td>CHM 2095</td>
<td>Chemistry for Engineers 1 (Critical Tracking)</td>
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<td>CHM 2045L</td>
<td>General Chemistry 1 Laboratory (Gen Ed Physical Sciences)</td>
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<td>IDS 1161</td>
<td>What is the Good Life (Gen Ed Humanities)</td>
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<td>MAC 2311</td>
<td>Analytic Geometry and Calculus 1 (Critical Tracking; State Core Gen Ed Mathematics)</td>
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<td>Semester Three</td>
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<td>CHM 2046</td>
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<td>CHM 2096</td>
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**Semester Five**

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<td>Laboratory for Physics with Calculus 2 (Gen Ed Physical Sciences)</td>
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<td>Total Credits</td>
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