

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. This is a temporary enrollment category to allow students to determine the best major to fit their interests, or to allow pre-engineering students to get on-track for their intended major.

Students should work with their academic advisors to choose a degree-granting engineering major by Semester 3. Students must be admitted to a major before registering for Semester 4.

Students are responsible for understanding the specific requirements for their intended majors.

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

- 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.

Course	Title	Credits
Semester One		
ENC 1101	Expository and Argumentative Writing (If the student does not place out of this course, they must take it in the Fall)	0-3
CHM 1025	Introduction to Chemistry (Gen Ed Physical Sciences)	2
EGS 1006	Introduction to Engineering (recommended)	1
MAC 1147	Precalculus Algebra and Trigonometry (Gen Ed Mathematics)	4
Gen Ed Humanities		3
Gen Ed Social and Behavioral Sciences		3
	Credits	13-16
Semester Two		
Select one:		3
CHM 2045	General Chemistry 1 (Critical Tracking ; Gen Ed Physical Sciences)	
CHM 2095	Chemistry for Engineers 1 (Critical Tracking)	
CHM 2045L	General Chemistry 1 Laboratory (Gen Ed Physical Sciences)	1
IDS 1161	What is the Good Life (Gen Ed Humanities)	3
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking ; State Core Gen Ed Mathematics)	4
Gen Ed Social and Behavioral Sciences		3
	Credits	14
Semester Three		
Select one:		3
CHM 2046	General Chemistry 2 (Critical Tracking ; Gen Ed Physical Sciences)	
CHM 2096	Chemistry for Engineers 2 (Critical Tracking ; or approved substitute)	
CHM 2046L	General Chemistry 2 Laboratory (Gen Ed Physical Sciences)	1
ENC 3246	Professional Communication for Engineers (Gen Ed Composition)	3
MAC 2312	Analytic Geometry and Calculus 2 (Critical Tracking ; Gen Ed Mathematics)	4
Select one:		3
Gen Ed Humanities		
Gen Ed Social and Behavioral Sciences		
	Credits	14
Semester Four		
MAC 2313	Analytic Geometry and Calculus 3 (Critical Tracking ; Gen Ed Mathematics)	4
PHY 2048	Physics with Calculus 1 (Critical Tracking ; Gen Ed Physical Sciences)	3
PHY 2048L	Laboratory for Physics with Calculus 1 (Gen Ed Physical Sciences)	1
Major-specific courses		6
	Credits	14
Semester Five		
MAP 2302	Elementary Differential Equations (Critical Tracking)	3
PHY 2049	Physics with Calculus 2 (Critical Tracking ; Gen Ed Physical Sciences)	3
PHY 2049L	Laboratory for Physics with Calculus 2 (Gen Ed Physical Sciences)	1
Major-specific courses		6
	Credits	13
	Total Credits	68-71