

ENGINEERING PATHWAYS

Plan of Study¹ – Oakton Community College

First Year – Option 1

Fall Semester		Hours
MAT 250	Calculus I	5
CHM 121	General College Chemistry I	4
CSC 155 (or CSC 156 or CSC 157)	C++ Computer Science I	3
General education or elective		3
Semester Hours		15
Spring Semester		
MAT 251	Calculus II	4
CHM 122	General College Chemistry II	4
PHY 221	Engineering Physics I	5
General education or elective		3
Semester Hours		16

First Year – Option 2

Fall Semester		
MAT 250	Calculus I	5
CHM 121	General College Chemistry I	4
General education or elective		3
General education or elective		3
Semester Hours		15
Spring Semester		
MAT 251	Calculus II	4
CHM 122	General College Chemistry II	4
PHY 221	General Physics I	5
CSC 155 (or CSC 156 or CSC 157) ²	C++ Computer Science I	3
Semester Hours		16

¹ Engineering Pathways is a cohort-based experience. As such, all technical coursework in the plan of study must be completed as listed and for a grade while enrolled in the program – this includes mathematics, physics, computer science, chemistry, and engineering.

² CSC 170/171 or CSC 170/173 is also an option for students interested in majors other than CS and ECE.

Second Year

Fall Semester

MAT 252	Calculus III	4
PHY 222	General Physics II	5
ENG 211	Analytic Mechanics (Statics)	3
Major-specific technical course ³		3
Semester Hours		15

Spring Semester

Major-specific technical course		3
Major-specific technical course		3
Major-specific technical course		3
Major-specific technical course		3
General education or elective ⁴		3
Semester Hours		15
Electives		8
Total Hours:		69

General Education Categories⁵

Composition I	<i>EGL 101 & EGL 102</i>	4-6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
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Social & Behavioral Sciences	<i>ECO 201 or ECO 202</i>	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
Language Other Than English (LOTE)		

³ Major-specific technical courses will be selected in consultation with a program advisor.

⁴ Optional if the four major-specific technical courses for the semester total at least 15 hours.

⁵ It is not mandatory that all UIUC General Education categories be completed prior to transfer. However, it is important adequate progress be made; otherwise, time to degree completion may be extended.