

ENGINEERING PATHWAYS

Plan of Study¹ – Lewis & Clark Community College

First Year – Option 1

Fall Semester		Hours
MATH 171	Calculus and Analytic Geometry I	5
CHEM 141 and 121	General Chemistry I + Recitation	6
ENGR 101	Engineering Orientation	1
CIS 235	C++ Programming	3
General education or elective ²		3
Semester Hours		18
Spring Semester		
MATH 172	Calculus and Analytic Geometry II	5
CHEM 142 and 122	General Chemistry II + Recitation	6
PHYS 141	General Physics I	5
General education or elective		3
Semester Hours		19

First Year – Option 2

Fall Semester		
MATH 171	Calculus and Analytic Geometry I	5
CHEM 141 and 121	General Chemistry I + Recitation	6
ENGR 101	Engineering Orientation	1
General education or elective		3
General education or elective		3
Semester Hours		18
Spring Semester		
MATH 172	Calculus and Analytic Geometry II	5
CHEM 142 and 122	General Chemistry II + Recitation	6
PHYS 141	General Physics I	5
CIS 235	C++ Programming	3
Semester Hours		19

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 Course may be successfully completed for a letter grade prior to the first year, fall semester.

Second Year

Fall Semester

MATH 271	Calculus and Analytic Geometry III	4
PHYS 142	General Physics II	5
PHYS 241	Applied 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		2
Total Hours:		69

General Education Categories⁵

Composition I	ENGL 131 & ENGL 132	4-6
Advanced Composition	typically completed after transfer	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	ECON 151 or ECON 152	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.