



The Grainger College of Engineering
Engineering Pathways

Plan of Study¹ – Black Hawk College

First Year – Option 1

Fall Semester		Hours
MATH 124	Calculus I w/ Analytic Geometry	4
CHEM 101	General Chemistry I	4
CS 121	Intro to Computer Science I	4
PHYS 201	Mechanics and Thermal Physics	5
General education ²		3
Semester Hours		20
Spring Semester		
MATH 225	Calculus II w/ Analytic Geometry	4
CHEM 102	General Chemistry II	4
PHY 202	Electricity and Magnetism	5
General education ²		3
Semester Hours		16

*CS Articulation will be determined upon meeting with your Engineering Pathways Advisor

First Year – Option 2

Fall Semester		
MATH 124	Calculus I w/ Analytic Geometry	4
CHEM 101	General Chemistry I	4
PHYS 201	Mechanics and Thermal Physics	5
General education ²		3
General education ²		3
Semester Hours		19
Spring Semester		
MATH 225	Calculus II w/ Analytic Geometry	4
CHEM 102	General Chemistry II	4
PHY 202	Electricity and Magnetism	5
CS 121	Intro to Computer Science	4
Semester Hours		17

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 Requests to enroll in a course other than a transferable Gen Ed (see General Education Categories) must be pre-approved by an Engineering Pathways advisor at UIUC.

Second Year

Fall Semester

MATH 226	Calculus III w/ Analytic Geometry	5
GE 201	Analytical Mechanics Statics	3
Major-specific technical course ³		3
Semester Hours		11

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 technical elective ⁴		3
Semester Hours		15
Electives		7
Total Hours:		69

General Education Categories⁵

Composition I	ENG 101 & ENG 102	4-6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	ECON 221 or ECON 222 or PSYC 101	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.