The Grainger College of Engineering
Engineering Pathways

Plan of Study[1] – Kishwaukee College

First Year – Option 1

Fall Semester		Hours
MAT 229	Calculus and Analytic Geometry I	5
CHE 210	General Chemistry I	5
CIS 150 (or CIS 160)*	C++ Programming	3
General education or elective[2]		3
	Semester Hours	**16**

Spring Semester		
MAT 230	Calculus and Analytic Geometry II	4
CHE 211	General Chemistry II	5
PHY 263	Fundamentals of Physics I	4
General education or elective[2]		3
	Semester Hours	**16**

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

First Year – Option 2

Fall Semester		
MAT 229	Calculus and Analytic Geometry I	5
CHE 210	General Chemistry I	5
General education or elective[2]		3
General education or elective[2]		3
	Semester Hours	**16**

Spring Semester		
MAT 230	Calculus and Analytic Geometry II	4
CHE 211	General Chemistry II	5
PHY 263	Fundamentals of Physics I	4
CIS 150 (or CIS 160)*	C++ Programming I	3
	Semester Hours	**16**

Second Year

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[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.

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Fall Semester

MAT 231	Calculus & Analytic Geometry III	5
PHY 273	Fundamentals of Physics II	4
EGR 270	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	**7**
	Total Hours:	**69**

General Education Categories[5]

Composition I	*ENG 103 & ENG 104*	4-6
Advanced Composition	*typically completed after transfer*	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	*ECO 260 or ECO 261 or PSY 102*	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
Language Other Than English (LOTE)		

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[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.