The Grainger College of Engineering
Engineering Pathways

Plan of Study[1] – College of DuPage

First Year – Option 1

Fall Semester		**Hours**
MATH 2231	Calculus and Analytic Geometry I	5
CHEMI 1551	Principles of Chemistry I	5
ENGIN 1100	Engineering Orientation	1
CIS 1400*	Programming Logic and Technique	4
General education or elective[2]		3
	Semester Hours	**18**
Spring Semester		
MATH 2232	Calculus and Analytic Geometry II	5
CHEMI 1552	Principles of Chemistry II	5
PHYSI 2111	Physics for Science and Engineering I	5
General education or elective		3
	Semester Hours	**18**

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

First Year – Option 2

Fall Semester		
MATH 2231	Calculus and Analytic Geometry I	5
CHEMI 1551	Principles of Chemistry I	5
ENGIN 1100	Engineering Orientation	1
General education or elective		3
General education or elective		3
	Semester Hours	**17**
Spring Semester		
MATH 2232	Calculus and Analytic Geometry I	5
CHEMI 1552	Principles of Chemistry II	5
PHYSI 2111	Physics for Science and Engineering I	5
CIS 1400*	Programming Logic and Technique	4
	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 2233	Calculus and Analytic Geometry III	4
PHYSI 2112	Physics for Science and Engineering II	5
ENGIN 2201	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	**3**
	Total Hours:	**69**

General Education Categories[5]		
Composition I	*ENGLI 1101 & ENGLI 1102*	4-6
Advanced Composition	*typically completed after transfer*	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	*ECONO 2201 or ECONO 2202 or PSYCH 1100*	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.