



The Grainger College of Engineering
Engineering Pathways

Plan of Study¹ – Moraine Valley Community College

First Year – Option 1

Fall Semester		Hours
MTH 150	Calculus I/Analytic Geometry	5
CHM 131	Chemistry (University Oriented) I	4
EGN 110 and COL 101	Introduction to Engineering I	2
CSC 140	Introduction to Computer Science I	3
General education or elective ²		3
Semester Hours		17
Spring Semester		
MTH 151	Calculus II/Analytic Geometry	5
CHM 132	Chemistry (University Oriented) II	4
PHY 203	Mechanics	4
EGN 120 ²	Intro to Engineering II	2
General education or elective ²		3
Semester Hours		18

First Year – Option 2

Fall Semester		
MAT 150	Calculus I/Analytic Geometry	5
CHM 131	Chemistry (University Oriented) I	4
EGN 110 and COL 101	Introduction to Engineering I	2
General education or elective ²		3
General education or elective ²		3
Semester Hours		17
Spring Semester		
MTH 151	Calculus II/Analytic Geometry	5
CHM 132	Chemistry (University Oriented) II	4
PHY 203	Mechanics	4
CSC 140	Introduction to Computer Science	3
EGN 120 ²	Intro to Engineering II	2
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 Requests to enroll in a course other than ENG 120 or a transferable Gen Ed (see General Education Categories) must be pre-approved by an Engineering Pathways advisor at UIUC.



The Grainger College of Engineering Engineering Pathways

Second Year

Fall Semester

MTH 152	Calculus III/Analytic Geometry	4
PHY 204	Heat, Electricity and Magnetism	4
EGN 201	Engineering Statics	3
Major-specific technical course ³		3
General education or elective ⁴		3
Semester Hours		17

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	<i>COM 101 & COM 102</i>	4-6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	<i>ECO 101 or ECO 102 or PSY 101</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.