



The Grainger College of Engineering
Engineering Pathways

Plan of Study¹ – Kaskaskia College

First Year

Fall Semester		Hours
MATH 166	Calculus and Analytical Geometry I	5
CHEM 111	Chemistry I (Inorganic Chemistry)	5
ENGR 201	Computer Programming for Engineers	3
General education or elective ²		3
Semester Hours		16
Spring Semester		
MATH 267	Calculus and Analytical Geometry II	4
CHEM 112	Chemistry II (Physical & Analytical)	5
PHYS 201	University Physics I	5
ENGR 203	Statics	3
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.



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Second Year

Fall Semester

MATH 268	Calculus and Analytical Geometry III	4
PHYS 202	University Physics II	5
Major-specific technical course		3
General education or elective		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 ³		3
Semester Hours		15
Electives		6
Total Hours:		69

General Education Categories⁴

Composition I	<i>ENGL 101 & ENGL 102</i>	4-6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	<i>ECON 205 or ECON 206 or PSYH 101</i>	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
Language Other Than English (LOTE)		

³ Optional if the four major-specific technical courses for the semester total at least 15 hours.

⁴ 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.