



Plan of Study¹ – Heartland Community College

First Year – Option 1

Fall Semester		Hours
MATH 161	Calculus I	5
CHEM 161	General Chemistry I	5
CSCI 130 (or CSC 171 or CSCI 220)*	Computer Science I	4
General education ²		3
Semester Hours		17
Spring Semester		
MATH 162	Calculus II	4
CHEM 162	General Chemistry II	5
PHYS 171	Mechanics	4
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 161	Calculus I	5
CHEM 161	General Chemistry I	5
General education ²		3
General education ²		3
Semester Hours		16
Spring Semester		
MATH 162	Calculus II	4
CHEM 162	General Chemistry II	5
PHYS 171	Mechanics	4
CSCI 130 (or CSC 171 or CSCI 220)*	Computer Science I	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 163	Calculus III	4
PHYS 172	Electricity & Magnetism	4
ENGR 271	Engineering Mechanics: Statics	3
Major-specific technical course ³		3
General education or technical 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 technical elective ⁴		3
Semester Hours		15
Electives		4
Total Hours:		69

General Education Categories⁵

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 101 or ECON 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.