



Plan of Study¹ – Heartland Community College

First Year – Option 1

| Fall Semester | | Hours |
|--|------------------------------|-------|
| MATH 161 | Calculus I | 4 |
| CHEM 161 | General Chemistry I | 5 |
| CSCI 130 | Computer Science I | 4 |
| General education or elective ² | | 3 |
| Semester Hours | | 16 |
| Spring Semester | | |
| MATH 162 | Calculus II | 4 |
| CHEM 162 | General Chemistry II | 5 |
| PHYS 171 | General Physics I: Mechanics | 4 |
| General education or elective ² | | 3 |
| Semester Hours | | 16 |

First Year – Option 2

| Fall Semester | | |
|--|----------------------|----|
| MATH 161 | Calculus I | 4 |
| CHEM 161 | General Chemistry I | 5 |
| General education or elective ² | | 3 |
| General education or elective ² | | 3 |
| Semester Hours | | 15 |
| Spring Semester | | |
| MATH 162 | Calculus II | 4 |
| CHEM 162 | General Chemistry II | 5 |
| PHYS 171 | Mechanics | 4 |
| CSCI 130 | 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.



The Grainger College of Engineering Engineering Pathways

Second Year

Fall Semester

| | | |
|--|------------------------------------|----|
| MATH 163 | Calculus and Analytic Geometry III | 4 |
| PHYS 172 | Electricity & Magnetism | 4 |
| ENGR 271 | Engineering Mechanics: 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 | | 5 |
| Total Hours: | | 69 |

General Education Categories⁵

| | | |
|------------------------------------|------------------------------------|-----|
| Composition I | ENGL 101 & ENGL 102 | 4-6 |
| Advanced Composition | typically completed after transfer | |
| Humanities & the Arts | | 3 |
| Humanities & the Arts | | 3 |
| Social & Behavioral Sciences | ECON 101 or ECON 102 or PSY 101 | 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.