



## Plan of Study<sup>1</sup> – Prairie State College

### First Year – Option 1

Fall Semester		Hours
MATH 171	Calculus with Analytic Geometry I	5
CHEM 110	General Chemistry I	5
ITPRG 144 (or ITPRG 147)*	C++ Programming I	3
General education or elective <sup>2</sup>		3
Semester Hours		16
Spring Semester		
MATH 172	Calculus with Analytic Geometry II	5
CHEM 130	General Chemistry II	5
PHYSI 210	University Physics I	4
General education or elective <sup>2</sup>		3
Semester Hours		17

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

### First Year – Option 2

Fall Semester		
MATH 171	Calculus with Analytic Geometry I	5
CHEM 110	General Chemistry I	5
General education or elective <sup>2</sup>		3
General education or elective <sup>2</sup>		3
Semester Hours		16
Spring Semester		
MATH 172	Calculus with Analytic Geometry II	5
CHEM 130	General Chemistry II	5
PHYSI 210	University Physics I	4
ITPRG 144 (or ITPRG 147)*	C++ Programming I	3
Semester Hours		17

<sup>1</sup> 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.

<sup>2</sup> 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

PHYSI 220	University Physics II	4
Major-specific technical course		3
Major-specific technical course		3
Major-specific technical course <sup>3</sup>		3
General education or elective <sup>4</sup>		3
Semester Hours		16

#### Spring Semester

MATH 173	Calculus with Analytic Geometry III	5
ENGR 210	Engineering Statics	3
Major-specific technical course		3
Major-specific technical course		3
General education or elective <sup>5</sup>		3
Semester Hours		17
Electives		3
Total Hours:		69

#### General Education Categories<sup>6</sup>

Composition I	ENG 101 & ENG 102	4-6
Advanced Composition	typically completed after transfer	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	ECON 201 or ECON 202 or PSYCH 101	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		

<sup>3</sup> Major-specific technical courses will be selected in consultation with a program advisor.

<sup>4</sup> Optional if the four major-specific technical courses for the semester total at least 15 hours.

<sup>5</sup> Optional if the four major-specific technical courses for the semester total at least 15 hours.

<sup>6</sup> 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.



The Grainger College of Engineering  
**Engineering Pathways**

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Language Other Than English (LOTE)