



## Plan of Study<sup>1</sup> – Richland Community College

### First Year – Option 1

Fall Semester		Hours
MATH 121	Calculus & Analytic Geometry 1	5
CHEM 131	General Chemistry 1	4
CS 251	Object-Oriented Programming	4
General education or elective <sup>2</sup>		3
Semester Hours		16
Spring Semester		
MATH 122	Calculus & Analytic Geometry 2	4
CHEM 132	General Chemistry 2	5
PHYS 151	Mechanics and Wave Motion	4
General education or elective <sup>2</sup>		3
Semester Hours		16

### First Year – Option 2

Fall Semester		
MATH 121	Calculus & Analytic Geometry 1	5
CHEM 131	General Chemistry 1	4
General education or elective <sup>2</sup>		3
General education or elective <sup>2</sup>		3
Semester Hours		15
Spring Semester		
MATH 122	Calculus & Analytic Geometry 2	4
CHEM 132	General Chemistry 2	5
PHYS 151	Mechanics and Wave Motion	4
CS 251	Object-Oriented Programming	4
Semester Hours		17

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<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

MATH 221	Calculus & Analytic Geometry 3	4
PHY 152	Electricity and Magnetism	4
ENGR 211	Statics	4
Major-specific technical course <sup>3</sup>		3
<b>Semester Hours</b>		<b>15</b>

#### Spring Semester

Major-specific technical course <sup>3</sup>		3
Major-specific technical course <sup>3</sup>		3
Major-specific technical course <sup>3</sup>		3
Major-specific technical course <sup>3</sup>		3
General education or elective <sup>4</sup>		3
<b>Semester Hours</b>		<b>15</b>
<b>Electives</b>		<b>7</b>
<b>Total Hours:</b>		<b>69</b>

#### General Education Categories<sup>5</sup>

Composition I	<i>ENGL 101 &amp; 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 231 or ECON 232 or PSYCH 110</i>	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
Language Other Than English (LOTE)		

<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> 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.