



## Plan of Study<sup>1</sup> – Rock Valley College

### First Year – Option 1

Fall Semester		Hours
MTH 135	Calculus with Analytic Geometry I	5
CHM 120	General Chemistry I	4
CIS 276 (or CIS 190)*	Introduction to C/C++ Programming	4
EGR 101 + STU 100	Intro to Engineering	3
Semester Hours		16
Spring Semester		
MTH 235	Calculus with Analytic Geometry II	4
CHM 130	General Chemistry II	4
PHY 215	Mechanics, Wave Motion, Thermodynamics	5
General education or elective <sup>2</sup>		3
Semester Hours		16

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

### First Year – Option 2

Fall Semester		
MTH 135	Calculus with Analytic Geometry I	5
CHM 120	General Chemistry I	4
EGR 101 + STU 100	Intro to Engineering	3
General education or elective <sup>2</sup>		3
Semester Hours		15
Spring Semester		
MATH 235	Calculus with Analytic Geometry II	4
CHEM 130	General Chemistry II	4
PHY 215	Mechanics, Wave Motion, Thermodynamics	5
CIS 276 (or CIS 190)*	Introduction to C/C++ Programming	4
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

MTH 236	Calculus with Analytic Geometry III	4
PHY 225	Electric, Magnetism, Light, Modern Physics	5
EGR 206	Statics	3
Major-specific technical course <sup>3</sup>		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 <sup>4</sup>		3
Semester Hours		15
Electives		7
Total Hours:		69

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

Composition I	ENG 101 & ENG 103	4-6
Advanced Composition	typically completed after transfer	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	ECO 110 or ECO 111 or PSY 170	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.