



Plan of Study<sup>1</sup> – Lewis & Clark Community College

**First Year – Option 1**

<b>Fall Semester</b>		<b>Hours</b>
MATH 171	Calculus and Analytic Geometry I	5
CHEM 141 and 121	General Chemistry I + Recitation	6
ENGR 101	Engineering Orientation	1
CIS 235 (or CIS 210)*	C++ Programming	3
General education or elective <sup>2</sup>		3
<b>Semester Hours</b>		<b>18</b>
<b>Spring Semester</b>		
MATH 172	Calculus and Analytic Geometry II	5
CHEM 142 and 122	General Chemistry II + Recitation	6
PHYS 141	General Physics I	5
General education or elective		3
<b>Semester Hours</b>		<b>19</b>

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

**First Year – Option 2**

<b>Fall Semester</b>		
MATH 171	Calculus and Analytic Geometry I	5
CHEM 141 and 121	General Chemistry I + Recitation	6
ENGR 101	Engineering Orientation	1
General education or elective		3
General education or elective		3
<b>Semester Hours</b>		<b>18</b>
<b>Spring Semester</b>		
MATH 172	Calculus and Analytic Geometry II	5
CHEM 142 and 122	General Chemistry II + Recitation	6
PHYS 141	General Physics I	5
CIS 235 (or CIS 210)*	C++ Programming	3
<b>Semester Hours</b>		<b>19</b>

<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> Course may be successfully completed for a letter grade prior to the first year, fall semester.

## Second Year

### Fall Semester

MATH 271	Calculus and Analytic Geometry III	4
PHYS 142	General Physics II	5
PHYS 241	Applied Mechanics - Statics	3
Major-specific technical course <sup>3</sup>		3
	<b>Semester Hours</b>	<b>15</b>

### 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
	<b>Semester Hours</b>	<b>15</b>
	<b>Electives</b>	<b>2</b>
	<b>Total Hours:</b>	<b>69</b>

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

Composition I	<i>ENGL 131 &amp; ENGL 132</i>	4-6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	<i>ECON 151 or ECON 152 or PSYC 131</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.