



The Grainger College of Engineering
Engineering Pathways

Plan of Study¹ – Illinois Valley Community College

First Year – Option 1

Fall Semester		Hours
MTH 2001	Calculus & Analytic Geometry I	5
CHM 1006	General Chemistry I	5
CSI 1011 (or CSI 1007 or CS 1012)*	Computer Science I	4
General education ²		3
Semester Hours		17
Spring Semester		
MTH 2002	Calculus & Analytic Geometry II	4
CHM 1007	General Chemistry II	5
PHY 2011	General Physics	5
General education ²		3
Semester Hours		17

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

First Year – Option 2

Fall Semester		
MTH 2001	Calculus & Analytic Geometry I	5
CHM 1006	General Chemistry I	5
General education ²		3
General education ²		3
Semester Hours		16
Spring Semester		
MTH 2002	Calculus & Analytic Geometry II	4
CHM 1007	General Chemistry II	5
PHY 2011	General Physics	5
CSI 1011 (or CSI 1007 or CSI 1012)*	Computer Science I	4
Semester Hours		18

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.

Second Year

Fall Semester

MTH 2003	Calculus & Analytic Geometry III	4
PHY 2012	General Physics ³	4
TAM 2001	Theoretical and Applied Mechanics – Statics ³	5
Major-specific technical course ⁴		3
	Semester Hours	16

Spring Semester

PHY 2012	General Physics ³	4
Major-specific technical course		3
Major-specific technical course		3
Major-specific technical course		3
General education or technical elective ⁵		3
	Semester Hours	16
	Electives	4
	Total Hours:	69

General Education Categories⁶

Composition I	<i>ENG 1001 & ENG 1002</i>	4-6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	<i>ECN 2002 or ECN 2003 or PSY 1000</i>	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
Language Other Than English (LOTE)		

³ Class subject to change based on meeting with advisor

⁴ Major-specific technical courses will be selected in consultation with a program advisor.

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

⁶ 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.