



The Grainger College of Engineering Engineering Pathways

Plan of Study¹ – Triton College

First Year – Option 1

Fall Semester		Hours
EGR 100	Engineering Lecture	1
MAT 131	Calculus & Analytic Geometry I	5
CHM 140	General Chemistry I	5
CIS 121	Intro to Programming	3
General education ²		3
Semester Hours		17
Spring Semester		
MAT 133	Calculus & Analytic Geometry II	5
CHM 141	General Chemistry II	5
PHY 106	General Physics (Mechanics)	4
General education or elective ²		3
Semester Hours		17

First Year – Option 2

Fall Semester		
EGR 100	Engineering Lecture	1
MAT 131	Calculus & Analytic Geometry I	5
CHM 140	General Chemistry I	5
General education or elective ²		3
General education or elective ²		3
Semester Hours		17
Spring Semester		
MAT 133	Calculus & Analytic Geometry II	5
CHM 141	General Chemistry II	5
PHY 106	General Physics (Mechanics)	4
EGR 195 ³ or CIS 121	Programming for Engineers	3
Semester Hours		17

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 Ged Ed (see General Education Categories) must be pre-approved by an Engineering Pathways advisor at UIUC.

³ Not approved for students interested in Computer Engineering, Computer Science, Electrical Engineering, CS + Physics, or CS + Bioengineering.

Second Year

Fall Semester

MAT 235	Calculus & Analytic Geometry III	5
PHY 107	General Physics (Electricity & Magnetism)	5
EGR 152	Engineering Statics	3
Major-specific technical course ⁴		3+
Semester Hours		16+

Spring Semester

MAT 341	Differential Equations	3
Major-specific technical course		3+
Major-specific technical course		3+
Major-specific technical course		3+
General education or elective ⁵		3
Semester Hours		15+
Electives		5
Total Hours:		69+

General Education Categories⁶

Composition I	<i>RHT 101 & RHT 102</i>	6
Advanced Composition	<i>typically completed after transfer</i>	
Humanities & the Arts		3
Humanities & the Arts		3
Social & Behavioral Sciences	<i>ECO 102 or ECO 103 or PSY 100</i>	3
Social & Behavioral Sciences		3
Western/Comparative Cultures		
Non-Western Cultures		
US Minority Cultures		
Language Other Than English (LOTE)		

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.