

# University of Illinois at Urbana-Champaign Engineering Pathways Plan of Study<sup>1</sup>—College of DuPage

## Year 1

### **Fall**

Calculus and Analytic Geometry I	MATH-2231	5
Principles of Chemistry I	CHEMI-1551	5
English Composition I	ENGLI-1101	3
Economics, Micro- or Macro-	ECONO-2202 or 2201	3
Engineering Orientation	ENGIN-1100	1
		17

### **Spring**

Calculus and Analytic Geometry II	MATH-2232	5
Principles of Chemistry II	CHEMI-1552	5
English Composition II	ENGLI-1102	3
Physics for Science and Engineering I	PHYSI-2111	5
		18

## Year 2

### **Fall**

Calculus and Analytic Geometry III	MATH-2233	4
Additional topics in Vector Calculus	MATH-2235	1
Physics for Science and Engineering II	PHYSI-2112	5
Introduction to Computing/Computer Science	varies by major <sup>2</sup>	3-4
Statics	ENGIN-2201	3
		16+

### **Spring**

Differential Equations	MATH-2270	4
Physics for Science and Engineering III	PHYSI-2115	4
*		3-4
*		3
liberal education course <sup>3</sup>		3
*major-specific technical courses selected in consultation with advisor		17+

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<sup>1</sup> Engineering Pathways is a cohort-based experience. As such, all technical coursework listed in the plan of study must be completed for a grade while enrolled in the program—this includes chemistry, computer science, mathematics, physics, and engineering. Advanced Placement (AP) or other credit applied toward English, economics, and liberal education courses requires an appropriate substitution to maintain total number of hours per semester.

<sup>2</sup> The Introduction to Computing/Computer Science requirement will be selected in consultation with an advisor. Course options vary by majors and minors of interest and include—CIS 2485 or 2571.

<sup>3</sup> Credit for at least three liberal education courses, including economics, must be earned prior to transfer. The third course is not listed in a specific semester on the plan of study and may be completed via AP or dual credit, taken during a summer session, or added to a fall/spring term schedule.