

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

## Year 1

### **Fall**

Calculus and Analytic Geometry I	MTH-145	5
General Chemistry I	CHM-121	5
English Composition I	ENG-121	3
Economics, Micro- or Macro-	ECO-222 or 221	3
Introduction to Engineering	EGR-120	1
		17

### **Spring**

Calculus and Analytic Geometry II	MTH-146	4
General Chemistry II	CHM-123	5
English Composition II	ENG-122 or 126	3
Physics for Science and Engineering I	PHY-123	5
		17

## Year 2

### **Fall**

Calculus and Analytic Geometry III	MTH-246	4
Physics for Science and Engineering II	PHY-124	5
Introduction to Computing/Computer Science	varies by major <sup>2</sup>	3-4
Engineering Statics	EGR-125	3
		15+

### **Spring**

Ordinary Differential Equations	MTH-227	3
Physics for Science and Engineering III	PHY-221	4
*		3-4
*		3
liberal education course <sup>3</sup>		3
		16+

\*major-specific technical courses selected in consultation with advisor

<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—MCS 140 or 141, 142; CIT 141 or 241.

<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.