

University of Illinois at Urbana-Champaign Engineering Pathways Plan of Study¹—Oakton Community College

Year 1

Fall

Calculus I	MAT-250	5
General College Chemistry I	CHM-121	4
Composition I	EGL-101	3
Economics, Micro- or Macro-	ECO-202 or 201	3
		15

Spring

Calculus II	MAT-251	4
General College Chemistry II	CHM-122	4
Composition II	EGL-102	3
General Physics I	PHY-221	5
		16

Year 2

Fall

Calculus and Analytic Geometry III	MAT-252	4
General Physics II	PHY-222	5
Introduction to Computing/Computer Science	varies by major ²	3
Analytical Mechanics (Statics)	ENG-211	3
liberal education course		3
		18

Spring

Ordinary Differential Equations	MAT-262	3
Modern Physics	PHY-223	4
*		3-4
*		3
liberal education course		3
		16+

*major-specific technical courses selected in consultation with advisor

¹ 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.

² 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—CSC 170, 171 or 173; CSC 156, 241.