University of Illinois at Urbana-Champaign
Engineering Pathways Plan of Study[1]—Harper College

Year 1

Fall

Calculus with Analytic Geometry I	MTH-200	5
General Chemistry I	CHM-121	5
Composition I	ENG-101	3
Economics, Micro- or Macro-	ECO-211 or 212	3
Introduction to Engineering	EGR-100	1
		17

Spring

Calculus with Analytic Geometry II	MTH-201	5
General Chemistry II	CHM-122	5
Composition II	ENG-102	3
General Physics I: Mechanics	PHY-201	5
		18

Year 2

Fall

Calculus with Analytic Geometry III	MTH-202	5
General Physics II: Electricity & Magnetism	PHY-202	5
Introduction to Computing/Computer Science	varies by major[2]	4
Analytical Mechanics – Statics	EGR-210	3
		17

Spring

Differential Equations	MTH-212	3
General Physics III: Thermal & Quantum	PHY-203	5
*		3-4
*		3
liberal education course[3]		3
*major-specific technical courses selected in consultation with advisor		17+

[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 121, 122 or 214.

[3] 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.