

University of Illinois at Urbana-Champaign Engineering Pathways Plan of Study¹—Lewis and Clark Community College

Year 1

Fall

Calculus and Analytic Geometry I	MATH-171	5
General Chemistry I	CHEM-141	5
First-Year English I	ENGL-131	3
Economics, Micro- or Macro-	ECON-152 or 151	3
Introduction to Engineering		1
		17

Spring

Calculus and Analytic Geometry II	MATH-172	5
General Chemistry II	CHEM-142	5
First-Year English II	ENGL-132	3
General Physics I	PHYS-141	5
		18

Year 2

Fall

Calculus and Analytic Geometry III	MATH-271	4
General Physics II	PHYS-142	5
Introduction to Computing/Computer Science	varies by major ²	3
Applied Mechanics – Statics	PHYS-241	3
liberal education course		3
		18

Spring

Differential Equations	MATH-272	3
Introduction to Modern Physics	PHYS-244	3
*		3-4
*		3
liberal education course		3
*major-specific technical courses selected in consultation with advisor		15+

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—CIS 210 or 235, 236.