

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

Year 1

Fall

Calculus and Analytic Geometry I	MTH-150	5
Chemistry (University Oriented) I	CHM-131	4
Composition I	COM-101	3
Economics, Micro- or Macro- College: Changes, Challenges, Choice	ECO-102 or 101	3
Engineering Orientation	COL-101	1
	IST-199	1

17

Spring

Calculus and Analytic Geometry II	MTH-151	5
Chemistry (University Oriented) II	CHM-132	4
Composition II	COM-102	3
Mechanics	PHY-203	4

16

Year 2

Fall

Calculus and Analytic Geometry III	MTH-152	4
Heat, Electricity, and Magnetism	PHY-204	4
Introduction to Computing/Computer Science	varies by major ²	3-4
Engineering Statics	EGN-201	3
liberal education course		3

17+

Spring

Differential Equations	MTH-201	3
Waves and Modern Physics	PHY-205	4
*		3-4
*		3
liberal education course		3

*major-specific technical courses selected in consultation with advisor
16+

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 140, 240; MIS 176.