

University of Illinois at Urbana-Champaign Engineering Pathways Plan of Study¹—McHenry County College

Year 1

Fall

| | | |
|---|---------------------------|--------|
| Calculus and Analytic Geometry I | MAT-175 | 5 |
| General Chemistry I | CHM-165 | 5 |
| Composition I | ENG-151 | 3 |
| Economics, Micro- or Macro- College Experience | ECO-251 or 252 MCC-101 | 3 1 |
| | | 17 |

Spring

| | | |
|-----------------------------------|---------|----|
| Calculus and Analytic Geometry II | MAT-245 | 5 |
| General Chemistry II | CHM-166 | 5 |
| Composition II | ENG-152 | 3 |
| Principles of Physics I | PHY-291 | 4 |
| | | 17 |

Year 2

Fall

| | | |
|--|------------------------------|----|
| Calculus and Analytic Geometry III | MAT-255 | 4 |
| Principles of Physics II | PHY-292 | 4 |
| Introduction to Computing/Computer Science | varies by major ² | 4 |
| Statics | EGR-251 | 3 |
| liberal education course ³ | | 3 |
| | | 18 |

Spring

| | | |
|---|---------|-----|
| Differential Equations | MAT-260 | 3 |
| Principles of Physics III | PHY-293 | 4 |
| Thermal Physics | PHY-294 | 2 |
| * | | 3-4 |
| * | | 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—CSC 121, 122.

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.