## 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

**Total:** 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

**Total:** 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

**Total:** 18

### Spring
- Differential Equations: MATH-272, 3
- Introduction to Modern Physics: PHYS-244, 3

*major-specific technical courses selected in consultation with advisor

**Total:** 15+

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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.