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-  
  [ECO-102 or 101]  3
- College: Changes, Challenges, Choice  
  [COL-101]  1
- Engineering Orientation  
  [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  
  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—which 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.