GENERAL ENGINEERING: exploring between engineering majors

FIRST YEAR

**Fall**
- **ENGR 100**
  The Oregon State Engineering Student
  F (3)
- **MTH 111**
  CH 201 or CH 231 & 261
  Chemistry
  F, W (3 or 5)
- **WR 121Z**
  English Composition
  F, W, S (4)
- **Perspective+**
  F, W, S (3)

**Winter**
- **ENGR 102**
  Design Engineering & Problem Solving
  F, W (3)
- **CH 202 or CH 232 & 262**
  Chemistry
  W, S (3 or 5)
- **COMM 111Z or 114**
  Speech Comm
  F, W, S (4/3)
- **PAC**
  Physical Activity Course
  F, W, S (1)

**Spring**
- **ENGR 103**
  Engineering Computation & Algorithmic Thinking
  W, S (3)
- **ENGR 102, co req-MTH 112**
  MTH 251
- **CH 201 or CH 231 & 261**
  Chemistry
  F, W (3 or 5)
- **CH 252**
  Integral Calc
  F, W, S (4)
- **PH 211**
  General Physics w/Calc
  F, W, S (4)
- **MTH 254**
  Vector Calc
  F, W, S (4)
- **MTH 252**
  Differential Calc
  F, W, S (4)
- **MTH 251**
  Integral Calc
  F, W, S (4)
- **MTH 252**
  Vector Calc
  F, W, S (4)
- **CH 202**
  CH 233 & 263 or *CH 203
  (5 or 1)

Bacc Core Categories to choose from in first year:

**+Perspectives:**
- Cultural Diversity (3-4 cr)
- Literature and Arts (3-4 cr)
- Bio Science w/ lab (4 cr)
- Difference, Power, and Discrimination (3-4 cr)

After first year, declare engineering major of choice with your advisor. Students should plan for 14-16 credits per term.

*not all engineering majors require these courses, ask advisor

WR 121, COMM 111 or 114, and HHS 231/PAC can be taken in different order. WR 121 is restricted by last name (A-G, fall term; H-N, winter term; O-Z spring term).

Chemistry sequence varies by major, check with advisor, students planning to major in CS don't need chemistry.