### Department of Civil and Environmental Engineering

#### Civil Engineering Program

[www.pdx.edu/cee/undergraduate-advising](http://www.pdx.edu/cee/undergraduate-advising)

#### Possible 4 Year Course Plan

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<th>FRESHMAN</th>
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<th>JUNIOR</th>
<th>SENIOR</th>
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#### Math / Science Requirements

- **CALCULUS**
  - I
  - II
  - ALG
  - IV
  - DIF

- **MATH**
  - MTH 251
  - MTH 252
  - MTH 261
  - MTH 254
  - MTH 256

- **CHEMISTRY**
  - CH 221
  - CH 222
  - CH 227

- **PHYSICS**
  - PH 221
  - PH 222
  - PH 223
  - PH 214
  - PH 215
  - PH 216

- **ENGINEERING**
  - CEE 111
  - CEE 112
  - CEE 115
  - CEE 112L
  - CEE 115L
  - CEE 211
  - CEE 321
  - CEE 324
  - CEE 325
  - CEE 410
  - CEE 411
  - CE 361
  - CE 362
  - CE 341
  - CE 361L
  - CE 362L
  - CE 341L
  - CE 364
  - CE 365
  - CE 371
  - CE 484
  - CE 484L
  - CE 444
  - CE 494
  - CE 494L
  - CE 484
  - CE 494
  - CE 351

#### Engineering Requirements

- **COLLEGE OF NATURAL SCIENCES**
  - PHYSICS

- **COLLEGE OF ENGINEERING**
  - CEE 111
  - CEE 112
  - CEE 115
  - CEE 112L
  - CEE 115L
  - CEE 211
  - CEE 321
  - CEE 324
  - CEE 325
  - CEE 410
  - CEE 411
  - CE 361
  - CE 362
  - CE 341
  - CE 361L
  - CE 362L
  - CE 341L
  - CE 364
  - CE 365
  - CE 371
  - CE 484
  - CE 484L
  - CE 444
  - CE 494
  - CE 494L
  - CE 484
  - CE 494
  - CE 351

#### Freshman Inquiry

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**Total Credits**: 187

**EXPLANATION**

- Shaded courses to be completed prior to Upper Division admission.

- **A** Choose 1: CE 432 OR CE 434. Students interested in structural engineering should take both; one will count as 4 credits of BSCE elective course work.

- **B** Choose 1: CE 450, CE 462, CE 458, CE 459, or CE 493. Additional courses count toward electives.

- **C** EC341U is included in the following upper division clusters: a) Community Studies, b) Design Thinking/Innovation/Entrepreneurship, and c) Knowledge, Values, and Rationality. Please speak with an adviser before selecting sophomore inquiry and upper division cluster courses.

- **PH 211-213** are interchangeable with **PH 221-223**

- **Priv 1** Choose 1: CE 450, CE 462, CE 458, CE 459, or CE 493. Additional courses count toward electives.

- **Invest 2** Choose 1: CE 450, CE 462, CE 458, CE 459, or CE 493. Additional courses count toward electives.

- **UP Div 3** Choose 1: CE 450, CE 462, CE 458, CE 459, or CE 493. Additional courses count toward electives.

- **UP Div 4** Choose 1: CE 450, CE 462, CE 458, CE 459, or CE 493. Additional courses count toward electives.