This resource is for ENGRUD students who entered the UW in AUT23 or later.

Civil Engineering
Graduation Requirements
University of Washington
http://ce.washington.edu

ENGRUD Requirement Sheet – Key:
◆ = Placement Requirements;
★ = Pick one to satisfy placement requirement
Placement: July 1 at the end of the first year

Engineering Fundamentals (cont’d)
AA 210 - Engineering Statics (4cr)
[pr: MATH 126; PHYS 121]
CEE 220 - Intro to Mechanics of Materials (4cr)
[pr: AA 210]
ME 230 - Kinematics and Dynamics (4cr)
[pr: AA 210]

Additional Engineering Fundamentals Course (4cr)
Choose one: A A 260; E E 215; IND E 250; M E 123; MSE 170

Civil Engineering Core (40cr)
CEE 307 - Construction Engineering (5cr)
CEE 317 - GeoSurveying (5cr)
CEE 327 - Transportation Engineering (5cr)
CEE 337 - Construction Materials (5cr)
CEE 347 - Intro to Fluid Mechanics (5cr)
CEE 357 - Environmental Engineering (5cr)
CEE 367 - Geotechnical Engineering (5cr)
CEE 377 - Intro to Structural Design (5cr)

Professional Practice & Capstone (7cr)
CEE 440 - Professional Practice Studio (2cr)
AND
Capstone (one from): CEE 441, 442, 444, or 445 (5cr)

Civil Engineering Technical Electives (15cr)
See department for a list of approved courses; this includes at least one course from three separate areas of concentration: Construction, Structural, Geotechnical, Transportation, Hydrology or Environmental.

Engineering and Science Electives (12-14cr)
a. One basic science course from approved list
b. CEE 400-level course(s) or course(s) from approved list

Free Electives (~2cr)
Additional coursework in any subject area not used elsewhere in degree.

Total credits required for graduation: 180cr

Honors or accelerated sequences of chemistry, math and physics will satisfy the placement requirements.

Updated October 2023
This resource is for ENGRUD students who entered the UW in AUT23 or later.

This is a sample four-year plan for ENGRUD students that prepares them to be able to request placement at the end of the first year. It is intended to provide a framework for ENGRUD students to reference as they create their own individual academic plan.

Courses required to request placement for ENGRUD students: ENGR 101; MATH 124, MATH 125, MATH 126; CHEM 142; PHYS 121. English Composition. ENGRUD students who are interested in CivE should choose one of the following: AMATH 301; CHEM 152; CSE 122; ME 123; MSE 170; PHYS 122, PHYS 123.

### First Year

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Autumn Quarter</td>
<td>◆ MATH 124 - Calc. w Analytic Geom I</td>
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<tr>
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<td>◆ CHEM 142 - General Chemistry</td>
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<td>◆ E-FIG: ENGR 101 &amp; GEN ST 199</td>
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<tr>
<td>Winter Quarter</td>
<td>◆ MATH 125 - Calc w Analytic Geom II</td>
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<td>★ CHEM 152 - General Chemistry</td>
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<tr>
<td>Spring Quarter</td>
<td>◆ MATH 126 - Calc w Analytic Geom III</td>
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<td>◆ PHYS 121 - Mechanics</td>
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<td>◆ English Composition</td>
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### Second Year

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<td>PHYS 122 - Electromagnetism</td>
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<td>AA 210 - Engineering Statics</td>
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<td>IND E 250 - Fund of Engineering Econ</td>
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<td>Winter Quarter</td>
<td>MATH 207 - Differential Equations</td>
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<td>PHYS 123 - Waves</td>
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<td>CEE 220 - Intro to Mechanics of Materials</td>
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<td>AMATH 301 - Beg. Sci Computing</td>
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<td></td>
<td>OR CSE 122 OR CSE 160</td>
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<td>IND E 315 - Prob and Stats for Engineers</td>
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<td>ME 230 - Kinematics and Dynamics</td>
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<td>ENGR 231 - Intro to Technical Comm</td>
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### Third Year

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