Civil Engineering

Civil engineers plan, design, and build the systems, technologies, and structures that life depends on. The program provides instruction in a variety of disciplines, including structural engineering, surveying, highway engineering, water resources and coastal engineering, materials engineering, transportation engineering, and infrastructure design. A degree in civil engineering prepares students to join the work force immediately after graduating — or to become an academic researcher who studies civil engineering problems.

- Design, build, and repair bridges, highways, buildings, and transportation systems
- Design infrastructure for earthquake preparedness
- Design and build stadiums and schools
- Design systems to deliver clean water to communities and industry

Bachelor of Science Degree (BS) in the College of Engineering

- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor’s degree at OSU.
- Some courses can count towards your major and the Baccalaureate Core. Advisors can assist in selection.
- OSU Catalog has a list of courses required for your major and option: catalog.oregonstate.edu

Courses for this Major offered at Rogue Community College

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Rogue CC Course</th>
<th>OSU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Orientation</td>
<td>ENGR 101/102/103</td>
<td>CCE 101, CCE 102</td>
</tr>
<tr>
<td>Math</td>
<td>MTH 251, 252, 254, 256</td>
<td>MTH 251, 252, 254, 256</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHEM 221, 222 (with labs)</td>
<td>CH 231-232 &amp; CH 261-262</td>
</tr>
<tr>
<td>Physics</td>
<td>PH 211, 212, 213</td>
<td>PH 211, 212, 213</td>
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<tr>
<td>Engineering Foundations</td>
<td>ENGR 211, 212, 213</td>
<td>ENGR 211, 212, 213</td>
</tr>
<tr>
<td>Writing</td>
<td>WR 121, 227</td>
<td>WR 121, 327</td>
</tr>
<tr>
<td>Communications</td>
<td>SP 111</td>
<td>COMM 111</td>
</tr>
<tr>
<td>Economics &amp; Ethics</td>
<td>ECON 201, PHL 102</td>
<td>ECON 201, PHL 205</td>
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<tr>
<td>Economics and Ethics</td>
<td>EC 201, PHL 202</td>
<td>ECON 201, PHL 205</td>
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Important Notes & Resources

Important Notes for the College and Major:

- Grade of C or better required in all major specific coursework.
- See a sample degree plan by searching “Civil Engineering” at admissions.oregonstate.edu/find-your-major
- Other similar majors to explore: Forest Engineering - Civil Engineering Undergraduate Major
- For Civil Engineering students, the best time to transfer is summer, fall, or winter term, particularly due to the upper division courses. Talk with an OSU advisor about your specific timeline.
- It is important to speak with an advisor in the School of Civil and Construction Engineering early on, and often, to ensure correct course selection and sequencing.

Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU. If you have completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses
- Preparing to apply to OSU? See admissions info: oregonstate.edu/admissions/transfer.html
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at visitosu.oregonstate.edu/visit-campus

General Education Courses (called Baccalaureate Courses)

- Complete one course in each Perspectives category with no more than two in the same department.
- For full listing of courses that fulfill Baccalaureate Core, please refer to admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-rogue-community-college

<table>
<thead>
<tr>
<th>SKILL COURSES</th>
<th>PERCENTIVE COURSES</th>
<th>DPD COURSES</th>
<th>SYNTHESIS COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math Writing I Writing II Speech (Writing III) Fitness</td>
<td>Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture</td>
<td>Difference, Power, and Discrimination</td>
<td>Contemporary Global Issues Science, Technology, and Society</td>
</tr>
<tr>
<td>Completed as part of major. WR 121. Required to transfer. WR 227 COMM 111 or COMM 112 HE 295</td>
<td>Completed as part of major. Completed as part of major. Completed as part of major. Many options, see BaccCore link above. Many options, see BaccCore link above. Many options, see BaccCore link above.</td>
<td>Many options, see BaccCore link above.</td>
<td>Upper division course, take through OSU. Upper division course, take through OSU.</td>
</tr>
</tbody>
</table>

Advising Contacts

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. See your community college advisor first and use this Transfer Guide to help you plan. Also, consider visiting OSU to take a campus tour and meet with an advisor. See visitosu.oregonstate.edu/visit-campus to schedule your personalized visit.

<table>
<thead>
<tr>
<th>Rogue Community College Advisor</th>
<th>OSU Civil Engineering Advisor</th>
<th>OSU College of Engineering Main Office</th>
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<tbody>
<tr>
<td></td>
<td><a href="mailto:cce@engr.oregonstate.edu">cce@engr.oregonstate.edu</a></td>
<td><a href="mailto:askengineering@oregonstate.edu">askengineering@oregonstate.edu</a></td>
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