

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

**CORVALLIS**

**Central Oregon  
Community College**

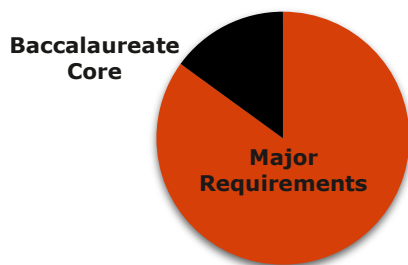
## Civil Engineering

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.

What can you do with this major?

- 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

## Your Bachelor's 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 135 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.
- More info at [cce.oregonstate.edu/content/civil-engineering](http://cce.oregonstate.edu/content/civil-engineering)

## Courses Required for Civil Engineering Major

This list is comprehensive. Speak with OSU advisor for more information

| Civil Engineering Core Requirements | COCC Equivalent Course | OSU Course       | Notes   |
|-------------------------------------|------------------------|------------------|---|
| Civil & Constr. Engr: Orientation   | GE 101                 | CCE 101          |   |
| CCE: Problem-Solving & Tech.        | GE 102                 | CCE 102          |   |
| CCE: Graphics & Design              | CIS 125 + 135          | CCE 201/ENGR 248 | Available online at OSU                               |
| CCE Seminar                         | N/A                    | CCE 207          |   |
| Civil Engr: Geospatial Info & GIS   | GEOG 266               | CE 202           |   |
| Electrical Fundamentals I           | ENGR 201               | ENGR 201         | Available online at OSU                               |
| Statics                             | ENGR 211               | ENGR 211         | Available online at OSU                               |
| Dynamics                            | ENGR 212               | ENGR 212         | Available online at OSU                               |
| Strength of Materials               | ENGR 213               | ENGR 213         | Available online at OSU                               |
| Differential Calculus               | MTH 251                | MTH 251          | Available online at OSU                               |
| Integral Calculus                   | MTH 252                | MTH 252          | Available online at OSU                               |
| Vector Calculus                     | MTH 254                | MTH 254          | Available online at OSU                               |
| Applied Differential Equations      | MTH 256                | MTH 256          | Available online at OSU                               |
| Intro to Matrix Algebra             | MTH 261A               | MTH 264          | Available online at OSU                               |
| Intro to Series                     | N/A                    | MTH 265          | Available online at OSU                               |
| Intro to Statistics for Engineers   | N/A                    | ST 314 (LD)      | LD = Lower Division Transfer, Available online at OSU |
| Chemistry for Engineering Majors    | CH 221                 | CH 201           | Available online at OSU                               |
| Chemistry for Engineering Majors    | CH 222                 | CH 202           | Available online at OSU                               |
| Laboratory for CH 202               | CH 221 (Lab)           | CH 205           |   |
| General Physics (Calculus)          | PH 211                 | PH 211           |   |
| General Physics (Calculus)          | PH 212                 | PH 212           |   |
| General Physics (Calculus)          | PH 213                 | PH 213           |   |

## Courses Required for Civil Engineering Major, cont.

| Civil Engineering Core Requirements | COCC Equivalent Course | OSU Course  | Notes   |
|-------------------------------------|------------------------|-------------|---|
| English Composition                 | WR 121                 | WR 121      | Available online at OSU                                 |
| Technical Writing                   | WR 227                 | WR 327 (LD) | (LD) = Lower Division Transfer, Available online at OSU |
| Public Speaking                     | SP 111                 | COMM 111    | Available online at OSU                                 |
| Argument & Critical Discourse       | SP 114                 | COMM 114    |   |
| Intro to Microeconomics             | EC 201                 | ECON 201    | Available online at OSU                                 |

## Important Notes & Resources

### Important Notes for the College of Engineering and Civil Engineering Major:

- Grade requirements: Grade of C or better in all major coursework; 2.5 Cumulative GPA; 65% of courses passed. See <https://beav.es/okz> for more information
- See a sample degree plan by searching "Civil Engineering" at [admissions.oregonstate.edu/find-your-major](http://admissions.oregonstate.edu/find-your-major)
- Other similar majors to explore: [Architectural Engineering](#), [Construction Engineering Management](#)
- To maximize course access and availability, we encourage students to begin coursework at OSU through [Degree Partnership Program](#) in Winter or Spring of 2<sup>nd</sup> year, with plans to fully begin upper division coursework at OSU in Fall of 3<sup>rd</sup> year. We encourage you to talk with an OSU advisor about your specific timeline.
- It is important to speak with CCE advisors early on, and often, to ensure correct course selection and sequencing. Schedule an appointment with an OSU CCE advisor [here!](#)

### Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU.
  - If you've completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See admissions info: [transfer.oregonstate.edu](http://transfer.oregonstate.edu)
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: [partnerships.oregonstate.edu/students](http://partnerships.oregonstate.edu/students)

## General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of COCC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-central-oregon-community-college](http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-central-oregon-community-college)

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|----------------------------|--|--|
| <b>SKILLS COURSES</b>      | Math<br>Writing I<br>Writing II<br>Speech (Writing III)<br>Fitness   | Completed as part of the major<br>WR 121. Required to transfer.<br>Completed as part of the major<br>Completed as part of the major<br>HPE 295   |
| <b>PERSPECTIVE COURSES</b> | Biological Science<br>Physical Science<br>Additional Biological or Physical Science<br>Cultural Diversity<br>Literature and the Arts<br>Social Processes and Institutions<br>Western Culture | Completed as part of major<br>Completed as part of major<br>Completed as part of major<br>Choose one course from BaccCore link above<br>Choose one course from BaccCore link above<br>Completed as part of major<br>Choose one course from BaccCore link above |
| <b>DPD COURSE</b>          | Difference, Power, & Discrimination  | Choose one course from BaccCore link above   |
| <b>SYNTHESIS COURSES</b>   | Contemporary Global Issues<br>Science, Technology, & Society   | Upper division course, take through OSU<br>Upper division course, take through OSU   |

## 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.** It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. See [visitosu.oregonstate.edu/visit-campus](http://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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| <b>Central Oregon Community College</b>       | <a href="http://cocc.edu/departments/cap/advising/plan.aspx">cocc.edu/departments/cap/advising/plan.aspx</a> |
| <b>OSU Civil Engineering</b>                  | <a href="mailto:cce@enr.oregonstate.edu">cce@enr.oregonstate.edu</a>   |
| <b>OSU College of Engineering Main Office</b> | <a href="mailto:askengineering@oregonstate.edu">askengineering@oregonstate.edu</a>                           |