

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered Through:

**CORVALLIS**

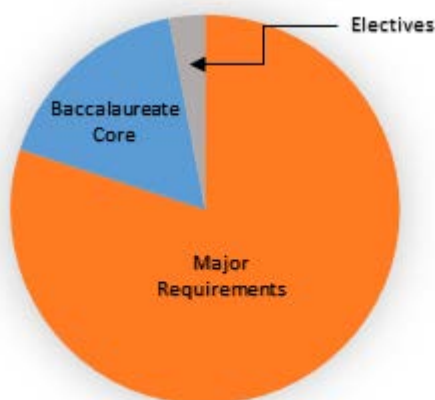
**Chemeketa Community College**

## Chemical Engineering

Chemical Engineering is the engineering discipline that focuses on the science and engineering of processes to convert raw materials into valued chemicals and products on a manufacturing scale. You will study heat and fluid flow to see how they are coupled with chemical reactions.

With a Chemical Engineering degree you can work in private or public sectors, including industry, government, and consulting, as well as for continued graduate study in the same or closely related fields. Common employment industries include fibers and polymers, food and drink, and pulp and paper.

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



- A minimum of 192 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](http://catalog.oregonstate.edu)

## Courses for this Major offered at Chemeketa Community College

Requirement	Chemeketa CC Course	OSU Course	Notes
General Chemistry	CH 221, 222, 223	CH 231/261, 232/262, 233/263	Labs are under a separate course number at OSU.
Organic Chemistry	CH 241/241B, 242/242B, 243/243B	CH 331, 332, 337	Take lab each term to earn CH 337 credit.
Engineering Orientation	GE 101	ENGR 111	
Engineering Computations	GE 102, 103	ENGR 112	Must take both GE 102 & 103.
Electrical Fundamentals	EGR 201	ENGR 201	
Statics	EGR 211	ENGR 211	
Differential Calculus	MTH 251	MTH 251	
Integral Calculus	MTH 252	MTH 252	
Matrix & Power Series	MTH 253	MTH 264 + 265	MTH 253 will officially articulate as MTH 253, but we will count this towards our requirement of MTH 264 & 265.
Vector Calculus	MTH 254	MTH 254	
Differential Equations	MTH 256	MTH 256	
Physics with Calculus	PH 211, 212, 213	PH 211, 212, 213	

## Important Notes & Resources

### Important Notes for the College and Major:

- Grade of C or better are required in all major specific courses.
- See sample 4 year degree plans at <https://cbec.oregonstate.edu/transfer-students>
- Similar majors to explore: Environmental and Biological Engineering
- Chemical Engineering students, the best time to transfer is summer term, particularly due to the CBEE series courses. Talk with an OSU advisor about your specific timeline.
- CBEE 280 should be taken, after pre-requisites are met, the summer before starting upper division CBEE major coursework.

### Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU. However, if you've completed the Oregon AAOT, all requirements of the Baccalaureate Core are met except for Synthesis category and Writing Intensive Courses.
- Applying to OSU? See [admissions info: oregonstate.edu/admissions/transfer.html](https://admissions.oregonstate.edu/admissions/transfer.html)
- Check out the Degree Partnership Program: [partnerships.oregonstate.edu/students](https://partnerships.oregonstate.edu/students)
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at [visitosu.oregonstate.edu/visit-campus](https://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-chemeketa-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-chemeketa-community-college)

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

## Advising Contacts

It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing.

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](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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<b>OSU College of Engineering Main Office</b>	<a href="mailto:askengineering@oregonstate.edu">askengineering@oregonstate.edu</a>