

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered Through:

**CORVALLIS**

**Linn Benton Community College**

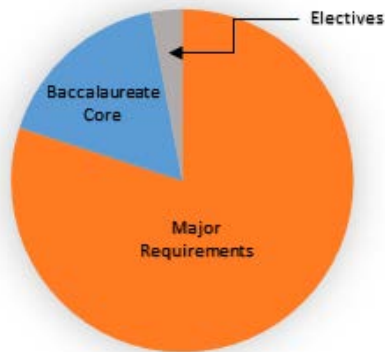
## Industrial Engineering (IE)

Industrial engineers design, implement, and manage complex organizational systems and processes. IEs develop knowledge and skills in a wide variety of disciplines. These transferrable skills are crucial in today's complex world. The Industrial Engineering degree is one of the most flexible degrees offered by the College of Engineering.

Examples of what IE engineers can do:

- Manage how efficiently materials and people move around facilities
- Manage how to store, transport, and carry all types of materials or how to set the best routes to deliver packages via parcel services
- Design manufacturing, production, and service systems such as vehicle assembly plants or hospitals

## 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](http://catalog.oregonstate.edu)

## Courses for this Major offered at Linn Benton Community College

Requirement	LBCC Course	OSU Course	Notes
Chemistry for Engineers I & lab	CH 201* OR CH 221*	CH 201 OR 231 + 261*	*Fills CH 205 for dual major
Chemistry for Engineers II	CH 202 or CH 222	CH 202 OR CH 232+ 262	
Engineering Orientation I, II	ENGR 111, 112	MIME 101, ENGR 112	
Electrical Fundamentals I	ENGR 201	ENGR 201	
Statics	ENGR 211	ENGR 211	
Dynamics	ENGR 212	ENGR 212	
Strength of Materials	ENGR 213	ENGR 213	
Solid Works	ENGR 248	ENGR 248	
Differential Calculus	MTH 251	MTH 251	
Integral Calculus	MTH 252	MTH 252	
Vector Calculus	MTH 254	MTH 254	
Differential Equations	MTH 256	MTH 256	
Linear Algebra	NONE*	MTH 341	*MTH 341 at OSU
Physics with Calculus I, II, III	PH 211, 212, 213	PH 211, 212, 213	
Statistics for Engineers	MTH 265	ST 314 OR IE 255	

## Important Notes & Resources

### Important Notes for the College and Major:

- IE 112, IE 212, IE 285 and MTH 341 are major requirements that will be taken at OSU.
- All major requirements must be taken for a letter grade. Min grade of C or better is required.
- See a sample degree plan at <https://mime.oregonstate.edu/undergrad/advising/acadplan>
- IE majors can participate in two six-month paid internships with MECOP: <https://www.mecopinc.org/>
- A dual major in Manufacturing Engr Systems option is also possible.
- Minor information: <https://mime.oregonstate.edu/academics/undergrad/minors>
- It is important to speak with your OSU IE advisor 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. However, 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: [oregonstate.edu/admissions/transfer.html](https://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](https://partnerships.oregonstate.edu/students)
- Students can transfer any term. Contact your OSU IE advisor at least two terms before you intend to start at OSU. Submit an official transcript from your community college at that time, but be sure to order a final copy that shows all your grades once they are recorded.

## 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-linn-benton-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-linn-benton-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

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.

<b>Linn Benton Community College Advisor</b>	<a href="mailto:dpp@linnbenton.edu">dpp@linnbenton.edu</a>
<b>OSU Industrial Engineering Advisor</b>	Cassie Pitkin: <a href="mailto:cassie.pitkin@oregonstate.edu">cassie.pitkin@oregonstate.edu</a>
<b>OSU College of Engineering Main Office</b>	<a href="mailto:askengineering@oregonstate.edu">askengineering@oregonstate.edu</a>