Manufacturing engineers design processes and facilities for making the many products that we take for granted. They choose the best way to make a product — and develop the necessary machining tools, automation procedures, and quality control workflows. Oregon State’s MFGE-PD program is closely aligned with industry. Students can choose a dual major with mechanical engineering.

Example of what MFGE engineers can do:
- Designing precision machines for efficient, high quality smartphone manufacturing
- Developing new alloys using metal powders for 3D printing of nuclear reactor components
- Designing silicon chip manufacturing processes to reduce cost and improve product quality
- Implementing laser cutting and welding for producing rock-climbing equipment

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.
- Other options available: Manufacturing Systems (not required)
- More info at mime.oregonstate.edu/industrial-engineering-undergraduate-program

Courses Required for Manufacturing Engineering Major, Prod. Dev. option

This list is comprehensive. Speak with OSU advisor for more information
Important Notes & Resources

Important Notes for the College of Engineering and Manufacturing Engineering Major, Product Development Option:
- Grade requirements: Grade of C or better in all major coursework.
- See a sample degree plan by searching “Manufacturing Engineering” at admissions.oregonstate.edu/find-your-major
- A dual major in Industrial Engineering is also possible
- MfgE-PD students: You can transfer ANY term. Talk with an OSU MfgE-PD advisor TWO TERMS before you intent to transfer to discuss your specific timeline.
- MfgE-PD can participate in two six-month paid internships with MECOP: mecopinc.org

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
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: 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 Lane courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-lane-community-college

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<th>SKILLS COURSES</th>
<th>Writing I</th>
<th>Writing II</th>
<th>Speech (Writing III)</th>
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<td>Math</td>
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<td>Fitness</td>
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<th>PERSPECTIVE COURSES</th>
<th>Biological Science</th>
<th>Additional Biological or Physical Science</th>
<th>Cultural Diversity</th>
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<td>Literature and the Arts</td>
<td>Social Processes and Institutions</td>
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<th>DPD COURSE</th>
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<th>SYNTHESIS COURSES</th>
<th>Contemporary Global Issues</th>
<th>Science, Technology, &amp; Society</th>
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Choose one course from BaccCore link above
Choose one course from BaccCore link above
Choose one course from BaccCore link above

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 to schedule your personalized visit.

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<tr>
<th>Lane Community College</th>
<th>lanecc.edu/advising/advisors</th>
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<tr>
<td>OSU MfgE- PD Engineering</td>
<td>MIME Advisor, <a href="mailto:MIME.advising@oregonstate.edu">MIME.advising@oregonstate.edu</a></td>
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<tr>
<td>OSU College of Engineering Main Office</td>
<td><a href="mailto:askengineering@oregonstate.edu">askengineering@oregonstate.edu</a></td>
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