Major Offered Through:

**CORVALLIS**

**Nuclear Engineering**

School of Nuclear Science and Engineering (NSE) today boasts a global influence and is one of the top programs in the United States. We are known for our progressive research, large-scale test facilities, and industry and governmental partnerships.

Nuclear engineers apply scientific principles to the research, design and operation of a wide variety of nuclear technology applications including power generation, medicine and radioactive waste management. [http://ne.oregonstate.edu/about-nse](http://ne.oregonstate.edu/about-nse)

**Careers in Nuclear Engineering**

Nuclear Engineering graduates are highly employable and have found work in a variety of employment sectors, including:

- Nuclear Power Plants
- Naval Shipyards
- Government agencies (federal, state, local)
- Consulting Firms
- National Labs
- Manufacturing

**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 Portland Community College**

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<tr>
<th>Requirement</th>
<th>Portland CC Course</th>
<th>OSU Course</th>
<th>Notes</th>
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<tr>
<td>Intro to Nuclear Engineering</td>
<td>ENGR 111, 114</td>
<td>NSE 114, 115</td>
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<td>Chemistry for Engineering Majors</td>
<td>CH 221, 222</td>
<td>CH 201, 202</td>
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<tr>
<td>General Physics with Calculus</td>
<td>PH 211, 212, 213</td>
<td>PH 211, 212, 213</td>
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<tr>
<td>Statics</td>
<td>ENGR 211</td>
<td>ENGR 211</td>
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<tr>
<td>Dynamics</td>
<td>ENGR 212</td>
<td>ENGR 212</td>
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<tr>
<td>Strength of Materials</td>
<td>ENGR 213</td>
<td>ENGR 213</td>
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<tr>
<td>Differential Calculus</td>
<td>MTH 251</td>
<td>MTH 251</td>
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<tr>
<td>Integral Calculus</td>
<td>MTH 252</td>
<td>MTH 252</td>
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<tr>
<td>Vector Calculus</td>
<td>MTH 254</td>
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<tr>
<td>Applied Differential Equations</td>
<td>MTH 256</td>
<td>MTH 256</td>
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<tr>
<td>Intro to Matrix Algebra + Intro Series</td>
<td>MTH 261</td>
<td>MTH 264</td>
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<tr>
<td>Ethics</td>
<td>PHL 202</td>
<td>PHL 205</td>
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Important Notes & Resources

Important Notes for the College and Major:
- For more information on Nuclear Engineering program and degree requirements, please visit http://ne.oregonstate.edu/
- Grade requirements: major coursework requires a C or better, some Baccalaureate Core classes will be considered passing with a D- or better
- See sample 4 year degree plans at https://ne.oregonstate.edu/current-students
- Similar majors to explore: Mechanical Engineering
- Nuclear Engineering students, the best time to transfer is fall term one year after community college courses. Talk with an OSU advisor about your specific timeline.

Resources and OSU Information:
- Applying to OSU? See admissions info: oregonstate.edu/admissions/transfer.html
- Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Visit OSU; 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-portland-community-college

<table>
<thead>
<tr>
<th>SKILL COURSES</th>
<th>Math</th>
<th>Writing I</th>
<th>Writing II</th>
<th>Speech (Writing III)</th>
<th>Fitness</th>
</tr>
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<tr>
<td>PERSPECTIVE COURSES</td>
<td>Biological Science</td>
<td>Physical Science</td>
<td>Additional Biological or Physical Science</td>
<td>Cultural Diversity</td>
<td>Literature and the Arts</td>
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<td>DPD COURSES</td>
<td>Difference, Power, and Discrimination</td>
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<tr>
<td>SYNTHESIS COURSES</td>
<td>Contemporary Global Issues</td>
<td>Science, Technology, and Society</td>
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Completed as part of major.
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Many options, see BaccCore link above.
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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 to schedule your personalized visit.

Portland Community College Contact
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OSU College of Engineering Main Office: askengineering@oregonstate.edu