Architectural engineers design buildings that support human needs, enhance the quality of life, and embrace sustainability. They are technical experts and creative problem solvers who apply engineering principles and advanced technologies to support an architect’s creative vision.

- Improve the lives of people by engineering buildings that are visually, acoustically, and thermally comfortable
- Design buildings that make use of sustainable design practices and materials
- Design structural, electrical, heating and air conditioning, plumbing, fire protection, lighting, and acoustical systems
- Optimize a building’s energy conservation and functional efficiency
- Become a licensed professional engineer

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

Courses for this Major offered at Linn Benton Community College

<table>
<thead>
<tr>
<th>Requirement</th>
<th>LBCC Course</th>
<th>OSU Course</th>
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<tr>
<td>Engineering Orientation</td>
<td>ENGR 111, ENGR 112</td>
<td>CCE 101, CCE 102</td>
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<tr>
<td>Math and Statistics</td>
<td>MTH 251, MTH 252, MTH 254, MTH 256, MTH 253</td>
<td>MTH 251, MTH 252, MTH 254, MTH 256, MTH 264&amp; MTH 265</td>
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<tr>
<td>Statistics</td>
<td>MTH 265</td>
<td>ST 314</td>
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<tr>
<td>Chemistry</td>
<td>CH201</td>
<td>CH 201 or CH 231</td>
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<tr>
<td>Physics</td>
<td>PHY211, PHY212</td>
<td>PH 211 &amp; PH 221, PH 212 &amp; PH 222</td>
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<tr>
<td>Engineering Foundations</td>
<td>ENGR 211, ENGR 212, ENGR 213, and, ENGR 201</td>
<td>ENGR 211, ENGR 212, ENGR 213, and ENGR 201</td>
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<tr>
<td>CCE Foundations</td>
<td>ENGR 245, CEM 263</td>
<td>CCE 201, CEM 263</td>
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<tr>
<td>Writing</td>
<td>WR 121 and WR 227</td>
<td>WR 121 and WR 327</td>
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<tr>
<td>Communications</td>
<td>COMM 111 or COMM 114</td>
<td>COMM 111 or COMM 114</td>
</tr>
<tr>
<td>Economics and Ethics</td>
<td>EC2 01, PHL 202</td>
<td>ECON 201, PHL 205</td>
</tr>
</tbody>
</table>
Important Notes & Resources

Important Notes for the College and Major:
• All major requirements must be taken for a letter grade. Minimum of a C or better is required
• See a sample degree plan by searching “Architectural Engineering” at admissions.oregonstate.edu/find-your-major
• For Architectural Engineering students, the best time to transfer is summer, fall, or winter term, particularly due to the upper division courses. Talk with an OSU advisor about your specific timeline.
• It is important to speak with an advisor in the School of Civil and Construction Engineering 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 requirements are complete except for Synthesis Courses.
• Preparing to apply to OSU? See admissions info: 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
• Visit OSU for a campus tour and meet with an advisor; 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-linn-benton-community-college

| SKILL COURSES | 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 |
| PERSPECTIVE COURSES | 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. |
| DPD COURSES | Difference, Power, and Discrimination | Many options, see BaccCore link above. |
| SYNTHESIS COURSES | Contemporary Global Issues  
| Science, Technology, and Society | Upper division course taken through OSU.  
| Upper division course, taken 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 to schedule your personalized visit.

| Linn Benton Community College Contact | dpp@linnbenton.edu |
| OSU Architectural Engineering Contact | cce@engr.oregonstate.edu |
| OSU College of Engineering Main Office | askengineering@oregonstate.edu |