### OREGON STATE UNIVERSITY ARCHITECTURAL ENGINEERING

**2023-2024 Catalog Year**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
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<tbody>
<tr>
<td><strong>ENGR 100</strong></td>
<td>The OSU ENGR Student</td>
<td>F, W, S, U (3)</td>
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<tr>
<td><strong>ENGR 102</strong></td>
<td>Dsgn Thinking &amp; Problem Solving</td>
<td>F, W, S, U (3)</td>
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<tr>
<td><strong>ENGR 103</strong></td>
<td>Computations &amp; Algorithms</td>
<td>F, W, S, U (3)</td>
<td><strong>ENGR 102</strong></td>
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<tr>
<td><strong>WR 121Z</strong></td>
<td>English Comp. Bacc Core: WR 1 F, W, S, U (4)</td>
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<tr>
<td><strong>COMM 111Z or 114</strong></td>
<td>Bacc Core: Comm F, W, S, U (4/3)</td>
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<tr>
<td><strong>MTH 251</strong></td>
<td>Differential Calc Bacc Core: Math F, W, S, U (4) MTH 112Z</td>
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<td><strong>MTH 112Z</strong></td>
<td>Integral Calculus F, W, S, U (4) MTH 251</td>
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<td><strong>CH 201</strong></td>
<td>Chemistry for Engineers 1 F, W (3) MTH 111Z</td>
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<td><strong>CH 202</strong></td>
<td>Chemistry for Engineers 2 W, S (3) CH 201 or 231</td>
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<td><strong>HHS 231</strong></td>
<td>Bacc Core: Lifetime Fitness &amp; Health F, W, S, U (2)</td>
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<td><strong>CH 205</strong></td>
<td>Chemistry Lab W, S (1) CH 202 (co-req)</td>
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<td><strong>PAC</strong></td>
<td>Bacc Core: Physical Activity F, W, S, U (1)</td>
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<tr>
<th>SECOND YEAR</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
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<tbody>
<tr>
<td><strong>CCE 207</strong></td>
<td>CCE Seminar</td>
<td><strong>ENGR 103</strong></td>
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<tr>
<td><strong>CCE 201</strong></td>
<td>Graphics &amp; Design F, W (3)</td>
<td><strong>MTH 111Z</strong></td>
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<tr>
<td><strong>CCE 203</strong></td>
<td>Virtual Design &amp; Construction W, S (3)</td>
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**KEY:**
- F, W, S, U – Term course is offered (U = summer)
- (X) - Number of credits
- *Course In Italic*- Pre-req (or co-req)

**Bacc Core:**
- Western Culture F, W, S, U (3)
- Difference, Power & Discrimination F, W, S, U (3)
- Cultural Diversity F, W, S, U (3)
- L&A F, W, S (3)
- SPI F, W, S, U (3/4)
- AEC 250, or GEOG 240/250 Bacc Core: SPI F, W, S, U (3/4)
- Architecture F, W, S, U (3)
- Spg Sci F, W, S, U (3)
- Tech Writing F, W, S, U (4)
- Arch. History F, W, S, U (3)
- WR 121Z

**Recommended:**
- MTH 252
- PH 211
- PH 212
- MTH 254
- ST 314
- WR 227Z
**THIRD YEAR**

**Fall**
- CEM 442: Building Construction Mgt (F, S (4))
- CEM 471: Electrical Facilities (F, W (4))
- CE 311: Fluid Mechanics (F, W (4))
- ARE 310: Architecture Studio (F (4))
- CCE 207: MTH 256, ENGR 211

**Winter**
- CE 381: Structural Theory 1 (F, W (4))
- ARE 361: Fundamentals for Light Design (W (4))
- ARE 341: Fundamentals of HVAC (W (4))
- CCE 207: CCE 321 (W (4))
- Focus Area Tech Elective** (F, W, S (3/4))

**Spring**
- CE 382: Structural Theory 2 (W, S (4))
- ENGR 201: Electrical Fundamentals (F, W, S, U (3))
- CCE 321: CCE Materials (W, S, U (4))
- Focus Area Tech Elective** (F, W, S (3/4))

**FOURTH YEAR**

**Fall**
- CE 383: Design of Steel Structures (F, W (4))
- ARE 418: Capstone 1 (F, W (4))
- ARE 451: Advanced Construction (W (4))
- CE 420: Engineering Planning (W (4))
- Focus Area Tech Elective** (F, W, S (3/4))

**Winter**
- ARE 419: Capstone 2 (S (3))
- CCE 422: Green Building Materials (W, S (3))
- Bacc Core: Contemporary Global Issues* (F, W, S, U (3))
- Bacc Core: Science, Tech & Society* (F, W, S, U (3))

**Spring**
- Bacc Core: Contemporary Global Issues* (F, W, S, U (3))
- Bacc Core: Science, Tech & Society* (F, W, S, U (3))
- Focus Area Tech Elective** (F, W, S (3/4))

*Bacc Core Course Recommendations:
- Biological Sciences: SUS 102, BI 101; Western Culture: PHL 205, AEC 253, ART 210
- Difference, Power and Discrimination: ES 353, GEOG 203, GEO 309, SUS 331
- Contemporary Global Issues: BA 432, BI 301, FES 365, GEOG 300, GEOG 331, H 388, PH 440, SUS 350
- Science, Technology & Society: PH 332, ENGR 350, PPOL 443, WSE 385

**Focus Area Elective Recommendations (14 Credits Required for Graduation):**
- Lighting Focus: ARE 461: Lighting Design For Built Environment 1, ARE 462: Lighting Design For Built Environment 2, ARE 499: Daylighting, ARE 499: Parametric Design

Revised 9/2023