Pacific University School of Natural Sciences Pathways Transfer Guide
Chemeketa Community College

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Students are advised to consult early with the Transfer Admissions Counselor and the Advising Center at Pacific University

A Pacific University Bachelor’s Degree is comprised of 3 parts: Major, Core, and Electives. This guide is designed to help you select foundations courses for your major. Use this guide in conjunction with the “Pacific University Transfer Guide for Chemeketa Community College” which addresses selecting courses to meet our Core requirements. Future transfer students should discuss with a Pacific Advisor the amount of foundation courses for your major and the amount of core you should plan to transfer to Pacific. If you have questions regarding major selection or emphasis selection (for Environmental Studies and Exercise Science), the Advising Center or Admissions Office will connect you with a Faculty Advisor in your proposed major.

<table>
<thead>
<tr>
<th>Pathways for Future Pacific Transfer Students in the Natural Sciences</th>
<th>1st and 2nd Year Major Foundations Courses at Pacific</th>
<th>Chemeketa CC Transfer Equivalencies</th>
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</thead>
<tbody>
<tr>
<td><strong>Biology</strong></td>
<td>General Biology: BIOL 202 &amp; 204</td>
<td>BI 211, 212, &amp; 213</td>
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<tr>
<td></td>
<td>General Chemistry: CHEM 220 &amp; 230</td>
<td>CH 221, 222, &amp; 223</td>
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<td></td>
<td>Consult with a Pacific Biology Advisor:</td>
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<td></td>
<td>General Physics: PHY 202 &amp; 204 or PHY 232 &amp; 242</td>
<td>PHY 201, 202, &amp; 203 or PHY 211, 212, &amp; 213</td>
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<tr>
<td></td>
<td>OR other Computer Science/Math sequence</td>
<td>Contact Advising Center for Equivalencies</td>
</tr>
<tr>
<td><strong>Chemistry</strong></td>
<td>General Chemistry: CHEM 220 &amp; 230</td>
<td>CH 221, 222, &amp; 223</td>
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<td></td>
<td>Highly Recommended before transferring:</td>
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<tr>
<td></td>
<td>General Physics: PHY 202 &amp; 204 or PHY 232 &amp; 242</td>
<td>PHY 201, 202, &amp; 203 or PHY 211, 212, &amp; 213</td>
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<tr>
<td></td>
<td>Calculus I &amp; II: MATH 226 &amp; 227</td>
<td>MTH (251 or higher placement), 252 &amp; 253</td>
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<tr>
<td><strong>Computer Science</strong></td>
<td>Introduction to Computer Science I: CS 150</td>
<td>CS 161 &amp; 162</td>
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<td>Introduction to Computer Science II: CS 250</td>
<td>CS 162 &amp; 260</td>
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<td></td>
<td>Calculus I: MATH 226 (plus any necessary prerequisites)</td>
<td>MTH (251 or higher placement) &amp; 252</td>
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<td>Discrete Math: MATH 240</td>
<td>MTH 231 &amp; 232</td>
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<td></td>
<td>Data Structures: CS 300</td>
<td>No equivalent</td>
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<td></td>
<td>Highly Recommended: Linear Algebra: Math 306</td>
<td>No equivalent</td>
</tr>
<tr>
<td><strong>Environmental Science: Biology</strong></td>
<td>General Chemistry: CHEM 220 &amp; 230</td>
<td>CH 221, 222, &amp; 223</td>
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<td></td>
<td>General Biology: BIOL 202 &amp; 204</td>
<td>BI 211, 212, &amp; 213</td>
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<tr>
<td></td>
<td>ENV 141, ENV 230, 330, and 301</td>
<td>No equivalents</td>
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<tr>
<td></td>
<td>Introduction to Environmental Studies: ENV 200</td>
<td>BI 131 &amp; 132</td>
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<tr>
<td></td>
<td>Choose from: Introduction to Anthropology: ANTH 101</td>
<td>ANTH 103 OR SOC 206 (no equivalents for ENV 224 or 333)</td>
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<td>OR Social Problems: SOC 102 (or ENV 224 or 333)</td>
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More Majors Continued on Back
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<th>Major</th>
<th>1st and 2nd Year Major Foundations Courses at Pacific</th>
<th>Chemeketa CC Transfer Equivalencies</th>
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<tr>
<td>Environmental Science: Chemistry &amp; Toxicology</td>
<td>General Chemistry: CHEM 220 &amp; 230</td>
<td>CH 221, 222, &amp; 223</td>
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<td>General Biology: BIOL 202 &amp; 204</td>
<td>BI 211, 212, &amp; 213</td>
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<td>Calculus I: MATH 226</td>
<td>MTH (251 or higher placement) &amp; 252</td>
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<tr>
<td></td>
<td>General Physics: PHY 202 &amp; 204 or PHY 232 &amp; 242</td>
<td>PHY 201, 202, &amp; 203 or PHY 211, 212, &amp; 213</td>
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<tr>
<td></td>
<td>Introduction to Environmental Studies: ENV 200</td>
<td>BI 131 &amp; 132</td>
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<tr>
<td></td>
<td>Choose from Environmental Politics: ENV 224 or Environmental Economics: ENV 333</td>
<td>No equivalents</td>
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<tr>
<td>Environmental Studies: Sustainable Design (BA)</td>
<td>Permaculture Design I: ENV 141</td>
<td>No equivalent</td>
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<tr>
<td></td>
<td>Introduction to Environmental Studies: ENV 200</td>
<td>BI 131 &amp; 132</td>
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<tr>
<td></td>
<td>Choose from: Introduction to Anthropology: ANTH 101</td>
<td>ANTH 103 (or 207)</td>
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<td></td>
<td>OR Social Problems: SOC 102 (or ENV 224 or 333)</td>
<td>SOC 206 (no equivalents for ENV 224 or 333)</td>
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<tr>
<td>Exercise Science Integrative Physiology</td>
<td>Precalculus (unless higher math placement): MATH 125</td>
<td>MTH 112</td>
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<td>Statistics: Math 207 (or PSY 350 or SOC 301)</td>
<td>MTH 243 &amp; 244</td>
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<td></td>
<td>General Chemistry: CHEM 220 &amp; 230</td>
<td>CH 221, 222, &amp; 223</td>
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<td>General Biology: BIOL 202 &amp; 204</td>
<td>BI 211, 212 &amp; 213</td>
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<td>Anatomy &amp; Physiology: BIOL 224 &amp; 240</td>
<td>BI 231, 232, &amp; 233</td>
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<td></td>
<td>General Physics I: PHY 202 or PHYS 232 (Part II recommended: PHY 204 or 242)</td>
<td>PHY 201 &amp; 202 or 211 &amp; 212 (Part II, PHY 203 or 213)</td>
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<tr>
<td>Exercise Science Motor Behavior</td>
<td>Precalculus (unless higher math placement): MATH 125</td>
<td>MTH 112</td>
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<td>Statistics: MATH 207 (or PSY 350 or SOC 301)</td>
<td>MTH 243 &amp; 244</td>
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<td></td>
<td>Part One of General Biology: BIOL 202</td>
<td>BI 212 &amp; 213 (requires BIO 211 prerequisite)</td>
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<td>Anatomy &amp; Physiology: BIOL 224 &amp; 240</td>
<td>BI 231, 232, &amp; 233</td>
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<tr>
<td>Math</td>
<td>Calculus I &amp; II (full year): MATH 226 &amp; 227</td>
<td>MATH (251 or higher placement), 252 &amp; 253</td>
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<td>Calculus III: MATH 228</td>
<td>MTH 254 &amp; 255</td>
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<td>Discrete Mathematics: MATH 240</td>
<td>MTH 231 &amp; 232</td>
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<td>Linear Algebra: MATH 306</td>
<td>No equivalent</td>
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<td>Workshop Physics I: PHY 232</td>
<td>PHY 211 &amp; 212</td>
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<td>Introduction to Computer Science: CS 150</td>
<td>CS 161 &amp; 162</td>
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<tr>
<td>Physics</td>
<td>Workshop Physics: PHY 232 &amp; 242 (or 202 &amp; 204)</td>
<td>PHY 211, 212, &amp; 213 (or PHY 201, 202 &amp; 203)</td>
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<td>Calculus I &amp; II: MATH 226 &amp; 227</td>
<td>MATH (251 or higher placement), 252 &amp; 253</td>
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<td>Highly Recommended: Gen Chemistry: CHEM 220 &amp; 230</td>
<td>CH 221, 222, &amp; 223</td>
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</tbody>
</table>

* Talking with a Pacific Advisor is highly recommended before taking a 200-level over a 300-level Organic Chemistry sequence.

- Only courses of “C-” or higher will be considered for transfer credit
- To graduate from Pacific you need 124 semester hours (186 quarter hours). 30 of the last 40 semester hours must be from Pacific.
- Quarter credits transfer at 2/3 credit, i.e. 90 quarter credits = 60 semester credits (junior class standing)

This guide is subject to change and should not be regarded as a contract between Pacific University and students attending Chemeketa Community College. Contact with Pacific is recommended for the most current information.