Graduation Pathway Checklist HONOLULU CC
AS NATURAL SCIENCE - BIOLOGICAL SCIENCE (BIOL) 2019 - 2020

Program Prerequisites: ENG 100 or ESL 23 OR Placement in ENG 100; MATH 25 or Placement in MATH 103
Recommended Prep: Summer Bridge program to complete MATH 103 prior to program entry.

<table>
<thead>
<tr>
<th>FALL 2019</th>
<th>SPRING 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition I</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ENG 100</td>
<td>CHEM 161</td>
</tr>
<tr>
<td>Quantitative Reasoning*</td>
<td>General Chemistry I Lab</td>
</tr>
<tr>
<td>MATH 103</td>
<td>CHEM 161L</td>
</tr>
<tr>
<td>Global &amp; Multicultural</td>
<td>Calculus I</td>
</tr>
<tr>
<td>3</td>
<td>MATH 241</td>
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<tr>
<td>Science Elective</td>
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<tr>
<td>3</td>
<td></td>
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<tr>
<td>Biological or Physical Science</td>
<td>Science Elective</td>
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<tr>
<td>3</td>
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<tr>
<td><strong>Total Credits:</strong> 15</td>
<td><strong>Total Credits:</strong> 16</td>
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<table>
<thead>
<tr>
<th>FALL 2020</th>
<th>SPRING 2021</th>
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<tbody>
<tr>
<td>Introduction to Biology I</td>
<td>Introduction to Biology II</td>
</tr>
<tr>
<td>BIOL 171</td>
<td>BIOL 172</td>
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<tr>
<td>Intro to Biology I Lab</td>
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<tr>
<td>BIOL 171L</td>
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<tr>
<td>General Chemistry II</td>
<td>Physics II (PHYS 152 or 272)</td>
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<tr>
<td>CHEM 162</td>
<td>3</td>
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<tr>
<td>General Chemistry II Lab</td>
<td>Physics II Lab (PHYS 152L or 272L)</td>
</tr>
<tr>
<td>CHEM 162L</td>
<td></td>
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<tr>
<td>Physics I (PHYS 151 or 170)</td>
<td>Social Science</td>
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<tr>
<td>Physics I Lab (PHYS 151L or 170L)</td>
<td>Arts, Humanities, or Literature</td>
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<tr>
<td>Science Elective</td>
<td><strong>Total Credits:</strong> 14</td>
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<tr>
<td><strong>Total Credits:</strong> 15</td>
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**GRADUATION**

* Please see a Liberal Arts counselor for the correct math sequencing

Global & Multicultural: (6 credits from 2 different groups) Group FGA: ANTH 151; HIST 151 Group FGB: AMST 150; HIST 152; GEOG 102 Group FGC: MUS 107; REL 150

Arts (DA), Humanities (DH), & Literatures (DL) Requirement: (3 Credits) Group I: The Arts (DA) Mainly Theory: ART 101 MUS 106 Mainly Practice: ART 107D, 111, 112, 113, 123, 213 JOUR 207 MUS 121D, 121Z, 122D, 122Z, 253 SP 151, 251, 290 (Any combination of one-credit courses that totals three-credit hours will be considered the equivalent of a one-semester course.)


Social Sciences (DS) Requirement: (3 Credits) ANTH 150, 200, BOT 105 (cross-listed as HWST 105) ECON 120, 130, 131 FAMR 230 GEOG 122 HWST 105 (cross-listed as BOT 105) JOUR 150 LING 102 POLS 110, 120, 130 PSY 100, 180, 212, 220, 225, 240, 250, 260, 270 SOC 100, 212, 214, 218, 231, 251 SP 170, 181 WS 151, 230

Science Electives: (10-15 credits) AG 100, 199 ATMO 101/101L BIOC 141, 142 BIOL 123, 124/124L BOT 101/101L, 105 (cross-listed as HWST 105), 130/130L GEOG 101/101L GG 101/101L, 103 HWST 105 (cross-listed as BOT 105) MICR 130, 140L OCN 201/201L ZOOL 101, 200/200L

Focus Requirements: Two (2) Writing Intensive (WI), one (1) Hawaiian, Asian, & Pacific Issues (HAP)

5/2019; Academic Counseling