# Suggested Course Sequence to transfer from NCCCS

## Curriculum Guide for AS to BS Biology: Pre-Health Professional at WCU

### Freshman/First Year

<table>
<thead>
<tr>
<th>1st Semester*</th>
<th>Fall</th>
<th>2nd Semester</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC Course</strong></td>
<td><strong>WCU Course Equivalent</strong></td>
<td><strong>LS Cat.</strong></td>
<td><strong>Credit Hours</strong></td>
</tr>
<tr>
<td>ENG 111</td>
<td>ENGL 101</td>
<td>C1</td>
<td>3</td>
</tr>
<tr>
<td>MAT 171</td>
<td>MATH 130</td>
<td>C2</td>
<td>4</td>
</tr>
<tr>
<td>History</td>
<td>History</td>
<td>P3</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Fine Arts</td>
<td>Humanities</td>
<td>P4</td>
<td>3</td>
</tr>
<tr>
<td>BIO 111</td>
<td>BIOL 140</td>
<td>C5</td>
<td>4</td>
</tr>
<tr>
<td>ACA 120</td>
<td>USI 130</td>
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<td>1</td>
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<tr>
<td><strong>Total Credit Hours</strong></td>
<td>18</td>
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</table>

*This assumes placement into college level courses. This is only meant to be a guide. Please see your academic advisor to develop your individual plan.

### Sophomore/Second Year

<table>
<thead>
<tr>
<th>3rd Semester</th>
<th>Fall</th>
<th>4th Semester</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC Course</strong></td>
<td><strong>WCU Course Equivalent</strong></td>
<td><strong>LS Cat.</strong></td>
<td><strong>Credit Hours</strong></td>
</tr>
<tr>
<td>HEA 110/PED 110/Other Elective</td>
<td>Wellness</td>
<td>C4</td>
<td>3</td>
</tr>
<tr>
<td>MAT 271/Other Elective</td>
<td>MATH 153</td>
<td>4 Required</td>
<td></td>
</tr>
<tr>
<td>PHY 151/Other Elective</td>
<td>PHYS 130</td>
<td>4 Required</td>
<td></td>
</tr>
<tr>
<td>CHM 151/Gen. Ed/UGETC Elective</td>
<td>CHEM 139</td>
<td>C5</td>
<td>4 Required</td>
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<tr>
<td><strong>Total Credit Hours</strong></td>
<td>15</td>
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</table>

UGETC=purple shading Gen. Ed.=beige shading Other required hours=blue shading

rev. 02/25/2020
### 5th Semester
#### Fall
<table>
<thead>
<tr>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 240</td>
<td>Introduction to Genetics</td>
<td>4</td>
<td></td>
<td>BIOL 241</td>
<td>Introduction to Ecology and Evolution</td>
<td>4</td>
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<tr>
<td>CHEM 241</td>
<td>Organic Chemistry I</td>
<td>4</td>
<td></td>
<td>CHEM 242</td>
<td>Organic Chemistry II</td>
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<tr>
<td>PHY 152/Other Elective</td>
<td>PHYS 131</td>
<td>4 Required</td>
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<td>Gen. Elective</td>
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<td>3</td>
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<tr>
<td>BIOL 411</td>
<td>Animal Physiology</td>
<td>3</td>
<td></td>
<td>BIOL 333</td>
<td>Cell and Molecular Biology</td>
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<td><strong>Total Credit Hours</strong></td>
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#### 6th Semester
#### Spring
<table>
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<tr>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>15</strong></td>
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<td></td>
<td><strong>Total Credit Hours</strong></td>
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### 7th Semester
#### Fall
<table>
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<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 361</td>
<td>Principles of Biochemistry</td>
<td>3</td>
<td></td>
<td>BIOL Elective</td>
<td>Any Set</td>
<td>3 or 4</td>
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</tr>
<tr>
<td>BIOL Elective</td>
<td>Any Set</td>
<td>3 or 4</td>
<td></td>
<td>BIOL Elective</td>
<td>Cell &amp; Molecular Biology Set</td>
<td>3 or 4</td>
<td></td>
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<tr>
<td>BIOL Elective</td>
<td>Ecology Evolutionary Set</td>
<td>3 or 4</td>
<td></td>
<td>BIOL 480/495/498499</td>
<td>Senior Research</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL Elective</td>
<td>Organismal Biology Set</td>
<td>3 or 4</td>
<td></td>
<td>Gen. Elective</td>
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<td>3</td>
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<tr>
<td>Gen. Elective</td>
<td>Statistics recommended</td>
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<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>15-18</strong></td>
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#### 8th Semester
#### Spring
<table>
<thead>
<tr>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
<th>WCU Course</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>12-15</strong></td>
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<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>120-125</strong></td>
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Reminder: 30 hours of 300-400 level courses must be taken at WCU.