



Biology with Option to Add Science

Name: \_\_\_\_\_ Student ID Number: \_\_\_\_\_

Candidates also complete a secondary education professional program. Grade required for endorsement courses: C (2.0) or better. Course substitutions **must be clearly noted below**.

<p><b>Biology*</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> BIOL 204 - Intro to Evolution, Ecology and Biodiversity</li> <li><input type="checkbox"/> BIOL 205 - Intro to Cellular and Molecular Biology</li> <li><input type="checkbox"/> BIOL 206 - Intro to Organismal Biology</li> <li><input type="checkbox"/> BIOL 321 - Genetics</li> <li><input type="checkbox"/> BIOL 325 - Ecology</li> <li><input type="checkbox"/> BIOL 328 - Cell Biology</li> <li><input type="checkbox"/> BIOL 340 - Biostatistics (or other stats class)</li> <li><input type="checkbox"/> BIOL 349 - Human Physiology</li> <li><input type="checkbox"/> BIOL 432 - Evolution</li> <li><input type="checkbox"/> At least 2 upper level biology lecture + lab courses <ul style="list-style-type: none"> <li><input type="checkbox"/> _____</li> <li><input type="checkbox"/> _____</li> </ul> </li> <li><input type="checkbox"/> CHEM 161 - General Chemistry I</li> <li><input type="checkbox"/> CHEM 162 - General Chemistry II</li> <li><input type="checkbox"/> CHEM 163 - General Chemistry III</li> <li><input type="checkbox"/> CHEM 251 or 351 - Elementary Organic Chemistry</li> <li><input type="checkbox"/> SCED 370 - Science and Society</li> <li><input type="checkbox"/> SCED 481 - Fundamentals of Teaching Science</li> <li><input type="checkbox"/> SCED 491 - Methods in Secondary Education for Science Teachers</li> <li><input type="checkbox"/> NES Biology Test Code 305</li> </ul>	<p><b>Add Science (Optional)</b></p> <p>You can add a science add-on endorsement by passing the NES Science Test Code 311 (<a href="#">Pathway 1</a>).</p> <p>You can be recommended by WWU, waive the OSPI fee, and get test preparation through taking the following coursework:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> One course from: <ul style="list-style-type: none"> <li><input type="checkbox"/> ASTR 103 - Intro to Astronomy</li> <li><input type="checkbox"/> ASTR 113 - Sun, Moon, and Planets</li> </ul> </li> <li><input type="checkbox"/> GEOL 211 - Physical Geology</li> <li><input type="checkbox"/> GEOL 212 - Historical Geology</li> <li><input type="checkbox"/> Choose one of the following series: <ul style="list-style-type: none"> <li>PHYS 114 - Principles of Physics I ◇</li> <li>PHYS 115 - Principles of Physics II ◇</li> <li>PHYS 116 - Principles of Physics III ◇</li> </ul> </li> <li><b>OR</b></li> <li>PHYS 161 - Physics with Calculus I ◇</li> <li>PHYS 162 - Physics with Calculus II ◇</li> <li>PHYS 163 - Physics with Calculus III ◇</li> <li><input type="checkbox"/> NES Science Test Code 311</li> </ul>
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\*This checklist is only about endorsements towards a teaching credential, NOT for getting a Biology, BSc degree. You are encouraged to talk to your academic advisor as there are discrepancies between the endorsement and the BSc degree checklists.

◇ These classes at WWU have associated prerequisites not listed in the above endorsement requirements. When planning your course of study, please attend to these. You are encouraged to talk with an [advisor](#) about how to do this.

- PHYS 114/115/116 series: MATH 115 or MATH 118 or suitable assessment score
- PHYS 161: MATH 124 or MATH 134 or MATH 138 (can be completed concurrently)
- PHYS 162/163: MATH 125 or MATH 135 or MATH 138 (can be completed concurrently)

Outstanding Courses: