



Earth and Space Science 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>Earth &amp; Space Science</b></p> <p><input type="checkbox"/> One course from:      ASTR 103 - Introduction to Astronomy      ASTR 113 - Sun, Moon, and Planets</p> <p><input type="checkbox"/> CHEM 161 - General Chemistry I</p> <p><input type="checkbox"/> CHEM 162 - General Chemistry II</p> <p><input type="checkbox"/> One course from:      GEOL 211 - Physical Geology ◇      GEOL 211A - Physical Geology Review ◇      HNRS 212 – Colloquium in Geology</p> <p><input type="checkbox"/> GEOL 212 - Historical Geology ◇</p> <p><input type="checkbox"/> GEOL 213 - GIS in Geology</p> <p><input type="checkbox"/> GEOL 252 - The Earth and Its Weather</p> <p><input type="checkbox"/> GEOL 310 – Geomorphology ◇</p> <p><input type="checkbox"/> GEOL 340 - Geological Oceanography</p> <p><input type="checkbox"/> Choose either:      GEOL 311 - Earth Materials  <b>OR</b>      GEOL 306 - Mineralogy <u>and</u>      GEOL 406 - Igneous and Metamorphic Petrology ◇</p> <p><input type="checkbox"/> MATH 240 - Introduction to Statistics</p> <p><input type="checkbox"/> Choose one of the following series:      PHYS 114 - Principles of Physics I ◇      PHYS 115 - Principles of Physics II ◇  <b>OR</b>      PHYS 161 - Physics with Calculus I ◇      PHYS 162 - Physics with Calculus II ◇</p> <p><input type="checkbox"/> SCED 370 - Science and Society</p> <p><input type="checkbox"/> SCED 481 - Fundamentals of Teaching Science</p> <p><input type="checkbox"/> SCED 491 - Methods in Secondary Education for Science Teachers</p>	<p><input type="checkbox"/> Electives (choice under consultation with advisor)*:      GEOL 303 – Dinosaurs and Their Environment      GEOL 308 - Earthquakes ◇      GEOL 309 - Volcanology      GEOL 314 - Engineering Geology      GEOL 316 - Research in Marine Paleontology      GEOL 318 - Structural Geology      GEOL 407 - Advanced Petrography      GEOL 414 - Geology of Washington      GEOL 415 - Stratigraphy and Sedimentation      GEOL 430 - Image Interpretation      GEOL 440 - Glacial Geology</p> <p><input type="checkbox"/> NES Earth Science Test Code 307</p> <p><b>Add Science (Optional)</b>      You can add a science add-on endorsement by passing the NES Science Test Code 311 (<a href="#">Pathway 1</a>).      You can be recommended by WWU, waive the OSPI fee, and get test preparation through taking the following coursework:</p> <p><input type="checkbox"/> BIOL 204 - Introduction to Evolution, Ecology and Biodiversity</p> <p><input type="checkbox"/> BIOL 205 - Introduction to Cellular and Molecular Biology</p> <p><input type="checkbox"/> BIOL 206 - Introduction to Organismal Biology</p> <p><input type="checkbox"/> CHEM 163 - General Chemistry III</p> <p><input type="checkbox"/> Choose either:      PHYS 116 - Principles of Physics III ◇  <b>OR</b>      PHYS 163 - Physics with Calculus III ◇</p> <p><input type="checkbox"/> NES Science Test Code 311</p>
<p>*For students enrolled in the BAE program, please note the Earth Science/General Science – Secondary, BAE requires at least 1 elective course; the Earth Science – Secondary, BAE requires 2 elective courses.</p>	



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◇ 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.

- GEOL 211/211A/212/310/308/309: MATH 114 or higher
- GEOL 406: CHEM 163 or equivalent or higher with concurrency
- 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:

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Endorsement Advisor Signature / Date