



**Earth & 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 (70-85 Credits)</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> One course from:<ul style="list-style-type: none"><li>ASTR 103 - Introduction to Astronomy (4)</li><li>ASTR 113 - Sun, Moon, and Planets (3)</li></ul></li><li><input type="checkbox"/> CHEM 121 - General Chemistry I (5)</li><li><input type="checkbox"/> CHEM 122 - General Chemistry II (5)</li><li><input type="checkbox"/> One course from:<ul style="list-style-type: none"><li>GEOL 211 - Physical Geology (5)</li><li>GEOL 211A - Physical Geology Review (2)</li><li>HNRS 212 – Colloquium in Geology (4)</li></ul></li><li><input type="checkbox"/> GEOL 212 - Historical Geology (4)</li><li><input type="checkbox"/> GEOL 213 - GIS in Geology (3)</li><li><input type="checkbox"/> GEOL 252 - The Earth and Its Weather (4)</li><li><input type="checkbox"/> GEOL 310 – Geomorphology (5)</li><li><input type="checkbox"/> GEOL 340 - Geological Oceanography (3)</li><li><input type="checkbox"/> Choose either:<ul style="list-style-type: none"><li>GEOL 311 - Earth Materials (5)</li></ul></li><li><b>OR</b></li><li><input type="checkbox"/> GEOL 306 - Mineralogy (4) <u>and</u></li><li><input type="checkbox"/> GEOL 406 - Igneous and Metamorphic Petrology (4)</li><li><input type="checkbox"/> MATH 240 - Introduction to Statistics (4)</li><li><input type="checkbox"/> Choose one of the following series:<ul style="list-style-type: none"><li>PHYS 114 - Principles of Physics I (5)</li><li>PHYS 115 - Principles of Physics II (5)</li></ul></li><li><b>or</b></li><li><input type="checkbox"/> PHYS 161 - Physics with Calculus I (5)</li><li><input type="checkbox"/> PHYS 162 - Physics with Calculus II (5)</li><li><input type="checkbox"/> SCED 370 - Science and Society (3) or equivalent</li><li><input type="checkbox"/> SCED 481 - Fundamentals of Teaching Science (2)</li><li><input type="checkbox"/> SCED 491 - Methods in Secondary Education for Science Teachers (5)</li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Electives (choose two of the following):<ul style="list-style-type: none"><li>GEOL 303 – Dinosaurs and Their Environment (3)</li><li>GEOL 308 - Earthquakes (3)</li><li>GEOL 309 - Volcanology (3)</li><li>GEOL 314 - Engineering Geology (4)</li><li>GEOL 316 - Research in Marine Paleontology (4)</li><li>GEOL 318 - Structural Geology (5)</li><li>GEOL 407 - Advanced Petrography</li><li>GEOL 414 - Geology of Washington (3-5)</li><li>GEOL 415 - Stratigraphy and Sedimentation (4)</li><li>GEOL 430 - Image Interpretation (3)</li><li>GEOL 440 - Glacial Geology (4)</li></ul></li><li><input type="checkbox"/> NES Earth Science Test Code 307</li></ul> <p>(Math through prerequisites: Algebra, Precalc or Calculus)</p> <p><b>Add Science (Optional, 23 Credits)*</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> BIOL 204 - Introduction to Evolution, Ecology and Biodiversity (4)</li><li><input type="checkbox"/> BIOL 205 - Introduction to Cellular and Molecular Biology (5)</li><li><input type="checkbox"/> BIOL 206 - Introduction to Organismal Biology (5)</li><li><input type="checkbox"/> CHEM 123 - General Chemistry III (4)</li><li><input type="checkbox"/> Choose either:<ul style="list-style-type: none"><li>PHYS 116 - Principles of Physics III (5) <b>OR</b></li><li>PHYS 163 - Physics with Calculus III (5)</li></ul></li><li><input type="checkbox"/> NES Science Test Code 311</li></ul> <p><b>* May be added via testing after certification via <a href="#">Pathway 1</a></b></p>
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Outstanding Courses:

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Endorsement Advisor Signature / Date