



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

Candidates also complete a secondary education professional program. Endorsement courses require a cumulative GPA of 2.5 or better and a grade of C (2.0) or better for individual courses. Course substitutions **must be clearly noted below**.

**Chemistry and Physics (94-114 Credits)**

<ul style="list-style-type: none"><li><input type="checkbox"/> ASTR 315 - The Solar System (3)</li><li><input type="checkbox"/> Choose either:<ul style="list-style-type: none"><li>CHEM 161 - General Chemistry I (5)</li><li>CHEM 162 - General Chemistry II (5)</li><li>CHEM 163 - General Chemistry III (4)</li><li>CHEM 333 - Analytical Chemistry (5)</li></ul></li><li><b>or</b></li><li>CHEM 125 - General Chemistry I, Honors (5)</li><li>CHEM 126 - General Chemistry II, Honors (5)</li><li>CHEM 225 - General Chemistry III, Honors (5)</li><li><input type="checkbox"/> CHEM 461 - Physical Chemistry (4)</li><li><input type="checkbox"/> CHEM 462 - Physical Chemistry (4)</li><li><input type="checkbox"/> Choose either option A or B:<ul style="list-style-type: none"><li>Option A:<ul style="list-style-type: none"><li>CHEM 251 - Elementary Organic Chemistry (5)</li><li>CHEM 375 - Elements of Biochemistry (4)</li></ul></li><li>Option B:<ul style="list-style-type: none"><li>CHEM 351 - Organic Chemistry (4)</li><li>CHEM 352 - Organic Chemistry (4)</li><li>CHEM 353 - Organic Chemistry (3)</li><li>CHEM 354 - Organic Chemistry Laboratory I (3)</li><li>CHEM 375 – Elements of Biochemistry (4) (or the following):<ul style="list-style-type: none"><li>CHEM 471 - Biochemistry I (4)</li><li>CHEM 472 - Biochemistry II (4)</li><li>CHEM 473 - Molecular Biology (3)</li></ul></li></ul></li></ul></li></ul>	<ul style="list-style-type: none"><li><input type="checkbox"/> Choose either:<ul style="list-style-type: none"><li>MATH 124 - Calculus and Analytic Geometry I (5) and</li><li>MATH 125 - Calculus and Analytic Geometry II (5)</li></ul></li><li><b>OR</b></li><li>MATH 134 - Calculus I Honors (5) and</li><li>MATH 135 - Calculus II Honors (5)</li><li><b>OR</b></li><li>MATH 138 - Accelerated Calculus (5)</li><li><input type="checkbox"/> MATH 224 - Multivariable Calculus and Geometry I (5)</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"/> PHYS 163 - Physics with Calculus III (5)</li><li><input type="checkbox"/> PHYS 220 - Physics with Calculus IV (4)</li><li><input type="checkbox"/> PHYS 224 - Modern Physics I (3)</li><li><input type="checkbox"/> PHYS 225 - Modern Physics II (3)</li><li><input type="checkbox"/> PHYS 326 - Tools and Data Analysis (3)</li><li><input type="checkbox"/> SCED 370 - Science and Society (3)</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><li><input type="checkbox"/> 6 additional credits of upper-division physics or astronomy to include 2-3 credits of PHYS 491 - Independent Research</li><li><input type="checkbox"/> NES Chemistry Test Code 306</li><li><input type="checkbox"/> NES Physics Test Code 308</li></ul>
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Outstanding Courses:

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Endorsement Advisor Signature / Date