### STEM Education Minor Requirements Checklist

**Name:**

**ID #:**

**Expected Graduation Date:**

<table>
<thead>
<tr>
<th>Breadth Requirement (12 units)</th>
<th>Course Number and Title</th>
<th>Semester</th>
<th>Units</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>One course in Math or Computer Science, and one course in Biology or Environmental Science, and one course in Physics or Chemistry</td>
<td>1)</td>
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<tr>
<td></td>
<td>2)</td>
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<td>3)</td>
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<thead>
<tr>
<th>Depth Requirement (8 units)</th>
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<tbody>
<tr>
<td>A minimum of two courses in a single major STEM subject area</td>
<td>1)</td>
<td></td>
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<tr>
<td></td>
<td>2)</td>
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<table>
<thead>
<tr>
<th>Education Modules (4 units)</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Teaching Life Sciences (2)</td>
<td>1)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Teaching Physical Sciences (2)</td>
<td>2)</td>
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</table>

**Total Units for STEM Minor = 24**

**Total Units =**

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**Diversity Requirement:** Students pursuing a B.S. in the natural sciences need to take at least three courses outside of their department and outside of the courses required for their major. Students pursuing a B.S. in the quantitative sciences (computer science, mathematics) need to take at least four courses outside of their department, one of which can also fulfill the Core B2 requirement.

### STEM Education Minor Courses

**BIOLOGY**

- BIOL 100 - The Science of Life (4)
- BIOL 102 - California Ecology (4)
- BIOL 103 - Human Biology (4)

**CHEMISTRY**

- CHEM 1 - Foundations of Chemistry (4)
- CHEM 100 - Getting a Grip on Science: From Mass and Motion to Molecules (4)
- CHEM 105 - Evolution and Human Origins (4)
- CHEM 110 - Molecular Gastronomy (4)

**COMPUTER SCIENCE**

- CS 107 - Computing, Mobile Apps, and the Web (4)

**ENVIRONMENTAL SCIENCE**

- ENVS 100 - Understanding our Environment w/lab (4)

10/19/2014
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVA 130</td>
<td>Community Based Urban Agriculture: Design and Management</td>
<td>(4)</td>
</tr>
</tbody>
</table>

**MATHEMATICS**

- MATH 100 - Great Ideas in Mathematics (4)
- MATH 101 - Elementary Statistics (4)
- MATH 103 - Statistics for the Social Sciences (4)
- MATH 105 - Math for Educators (4)
- MATH 106 - Quantitative Methods in Business (4)
- MATH 107 - Calculus for the Liberal Arts (4)

**PHYSICS and ASTRONOMY**

- PHYS 100 - Introductory Physics I (4)
- PHYS 101 - Introductory Physics II (4)
- PHYS 120 - Astronomy: From the Earth to the Cosmos (4)
- PHYS 121 - Planetary Astronomy (4)
- PHYS 122 - The Geometry of the Cosmos: Einstein, Black Holes, and the Big Bang (4)
- PHYS 135 - Masterpiece Physics (4)
- PHYS 201 - Physics by Inquiry (4)

Student has completed all requirements for the STEM Education Minor

Signed: ___________________________ Date: _________________