### Bachelor of Science in Natural Sciences in Conjunction with Adolescent to Young Adult INTEGRATED SCIENCE Licensure (Grades 7-12)

#### Basic Competency Skills Criteria

<table>
<thead>
<tr>
<th>Related Studies</th>
<th>Integrated Science Component</th>
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</thead>
<tbody>
<tr>
<td><strong>A grade of C or higher is required in this component.</strong></td>
<td><strong>A GPA of 3.0 is required for this component</strong></td>
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<tr>
<td>□ PSYC1101*** (3 hrs) Introduction to Psychology</td>
<td>□ BIOL1151 (4 hrs) General Biology 1</td>
</tr>
<tr>
<td>□ PSYC2130 (3 hrs) Child &amp; Adolescent Psychology</td>
<td>□ BIOL1152 (4 hrs) General Biology 2</td>
</tr>
<tr>
<td>□ PSYC2170 (3 hrs) Educational Psychology</td>
<td>□ BIOL3850 (4 hrs) Ecology</td>
</tr>
<tr>
<td>□ CHEM1141 (4 hrs) General Chemistry 1</td>
<td>□ CHEM1142 (4 hrs) General Chemistry 2</td>
</tr>
<tr>
<td>□ CHEM1150 (4 hrs) Physical Geology &amp; Human Environment</td>
<td>□ GEO1201 (4 hrs) Physical Geology &amp; Human Environment</td>
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<tr>
<td>□ GEO1202 (4 hrs) Historical Geology</td>
<td>□ GEO1350 (4 hrs) Planet Earth</td>
</tr>
<tr>
<td>□ PHYS2201 (4 hrs) Physics 1 Mechanics &amp; Energy</td>
<td>□ PHYS2202 (4 hrs) Physics 2 Energy, Electricity &amp; Magnetism</td>
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<tr>
<td>□ PSY2140*** (3 hrs) Scientific Reasoning &amp; Methodology</td>
<td>□ PSY2125*** (4 hrs) Physical Science by Inquiry 1</td>
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<tr>
<td>□ PSY2125 (4 hrs) Physical Science by Inquiry 2</td>
<td>□ MATH1250*** (3 hrs) Trigonometry OR</td>
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<tr>
<td>□ MATH2110 *** (4 hrs) Calculus 1</td>
<td><strong>All of these courses must be completed prior to enrolling in methods courses.</strong></td>
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#### Professional Education Requirements (39 hrs, 33hrs after double counting)

**Level 1 Admission to Teacher Education is required for the following:**

- □ EDUC1115*** (3 hrs) Intro to the Teaching Profession
- □ EDUC2250*** (3 hrs) Understanding Cultural Diversity
- □ EDIS2250 (3 hrs) Exceptional Learning Needs
- □ EDAE2285 (3 hrs) Foundations of Secondary Education

**You will apply for Level 1 in EDUC1115**

**Level 2 Admission to the Licensure Program is required for the following courses:**

- □ EDRE3305 (3 hrs) Teaching Reading in the Content Area
- □ EDUC3310 (3 hrs) Curriculum & Assessment

**Level 3 Professional Year:**

- □ EDAE4385 (1 hr) Teacher Education Capstone 1
- □ EDAE4390 (10 hrs) Directed Teaching & Seminar w/all day field & Seminar

**OAE Content test Must be passed before Student Teaching**

- □ EDAE4386 (2 hrs) Teacher Education Capstone 2
- □ EDAE4490 (10 hrs) Directed Teaching & Seminar w/all day field & Seminar

**Indicating double counting with GEP courses.**

### General Education Program (41 hrs) A grade of C or higher is required in this component.

- □ UNIV1100 (1 hr) First Year Freshman Experience

**English - 6 hours**

- □ ENGL1101 (3 hrs) Discourse and Composition OR
- □ ENGL1102 (3 hrs) Discourse and Composition
- □ ENGL1105 (3 hrs) Composition & Argumentation

**Quantitative Reasoning - 3 hours**

- □ MATH1250*** (3 hrs) Trigonometry

**Natural Science - 7 hours**

- □ BIOL1151 (4 hrs) General Biology 1
- □ BIOL1152 (4 hrs) General Biology 2
- □ BIOL3850 (4 hrs) Ecology
- □ CHEM1141 (4 hrs) General Chemistry 1
- □ CHEM1142 (4 hrs) General Chemistry 2
- □ GEO1201 (4 hrs) Physical Geology & Human Environment
- □ GEO1202 (4 hrs) Historical Geology
- □ GEO1350 (4 hrs) Planet Earth
- □ PHYS2201 (4 hrs) Physics 1 Mechanics & Energy
- □ PHYS2202 (4 hrs) Physics 2 Energy, Electricity & Magnetism
- □ PSY2140*** (3 hrs) Scientific Reasoning & Methodology
- □ PSY2125*** (4 hrs) Physical Science by Inquiry 1
- □ PSY2125 (4 hrs) Physical Science by Inquiry 2
- □ MATH1250*** (3 hrs) Trigonometry OR
- □ MATH2110 *** (4 hrs) Calculus 1

**Hist Perspective - 3 hours**

- □ EDUC1115*** (3 hrs) Intro to the Teaching Profession

**Engaged Citizenry - 3 hours**

- □ EDUC2250*** (3 hrs) Understanding Cultural Diversity

**Human behavior - 3 hours**

- □ PSYC1101*** (3 hrs) Introduction to Psychology

**Ethics - 3 hours**

- □ EDUC2250*** (3 hrs) Understanding Cultural Diversity

**Global Perspective - 3 hours**

- □ EDUC1115*** (3 hrs) Intro to the Teaching Profession

**Literature - 3 hours**

- □ ENGL1101 (3 hrs) Discourse and Composition
- □ ENGL1102 (3 hrs) Discourse and Composition
- □ ENGL1105 (3 hrs) Composition & Argumentation

**Fine & Performing Arts - 3 hours (Select one)**

- □ ENGL1101 (3 hrs) Discourse and Composition
- □ ENGL1102 (3 hrs) Discourse and Composition
- □ ENGL1105 (3 hrs) Composition & Argumentation

**Overall GPA of 2.75 is required of Integrated Science**

**Total Hours = 124**

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