# Master of Arts in Science Education: Non-Licensure Concentration in Biology

## Program Checklist

**Required Science Education Courses** (6 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 5600</td>
<td>Foundations of Science Education</td>
<td>3</td>
</tr>
<tr>
<td>SCE 5700</td>
<td>Improving 9-12 Science Classroom Instruction</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>(capstone course taken semester before grad.)</td>
<td></td>
</tr>
<tr>
<td>SCES 5xxx</td>
<td>Special Topics in Science Education</td>
<td>1-4</td>
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</tbody>
</table>

**Required Science Content Courses**

A minimum of 18 up to 21 semester hours from the following:

- Five courses from the following:
  - BIO 5100 Marine Biology (3) (travel to Bermuda – course fee)
  - BIO 5120 Topics in Ecology and Environmental Biology (3)
  - BIO 5150 Advanced Microbiology (3)
  - BIO 5200 Current Trends in Molecular and Cell Biology (3)
  - BIO 5250 Evolutionary Botany (3)
  - BIO 5350 Evolutionary Zoology (3)
  - BIOS 5xxx Special Topics in Biology (1-4 hours) (Costa Rica and Ossabaw Island courses have a travel fee)

**Guided Electives**

The program director must approve the elective selections based upon the student’s career goals and objectives. A least one and possibly two research courses should be a part of this selection and the research courses should be taken before SCE 5700.

**Capstone Experience**

Each candidate must select and successfully complete a Master’s Research Project as the final product of the program and successfully complete a Comprehensive Exit Oral Interview. The Research Project must be approved by the candidate’s graduate committee.

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**TOTAL** 36

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