Applicants seeking certification as earth/space/environmental science teachers must have both breadth and depth of background in the content area demonstrated by a major in an earth/space/environmental science (or approximately 36 credits in earth/space/environmental science course work or equivalent documented experience) and related science and math course work/knowledge (see below).

The applicant’s background should include the following topics:

- Astronomy
- Environmental science
- Geology
- Meteorology
- Oceanography
- Natural Resources

*Supporting course work/knowledge in all four (4) of the following areas:

- Biology
- Chemistry
- Physics
- Mathematics (pre-calculus or higher level)

Varied laboratory experience

*all four areas required for subsequent general science endorsement

SUMMARY of content requirements to fulfill:

<table>
<thead>
<tr>
<th>Content Need</th>
<th>Project Type</th>
<th># Units</th>
<th>Comment</th>
<th>Completed?</th>
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Note: The above recommendations may be taken concurrently with the graduate program as determined by the adviser.

Overall rating of candidate’s content knowledge background

Rating, based on background and intake interview, of candidate’s ability to create original investigations for instruction