Geospatial Analysis Minor
Department of Physical Sciences
2015-2016 Catalog

**Geospatial Analysis Minor Requirements: 9 hours**

General education courses in biological and physical sciences: GB 100/101; CH, ES, or PH 110/111; or advanced courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>□ EB/ES/GE 351</td>
<td>Introduction to Geospatial Analysis (spring)</td>
<td>3</td>
</tr>
<tr>
<td>□ GE 371</td>
<td>Cartography (spring)</td>
<td>3</td>
</tr>
<tr>
<td>□ ES 551</td>
<td>Computer Mapping Systems (fall)*</td>
<td>3</td>
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*EB/ES/GE 351 are all equivalent classes. They should be considered pre-requisites for ES551.

**Geospatial Analysis Minor Electives: 9 hours (200-Level or higher)**

Electives to be selected **upon approval of student's advisor**. Elective courses must be 200-level or higher and should be chosen to complement courses in the student's major. (Note: courses used to satisfy elective requirements for the student's major cannot be used as electives for this minor.)

Refer to the list available from the Department of Physical Sciences office, Cram Science Hall room 133, for recommended elective courses for geospatial analysis offered in biology, mathematics, computer science, earth science, geology and geography, some of which require prerequisites. Consult an advisor for assistance. Other appropriate courses, including topics, seminars, and independent study, may also be used for electives, **but must be** approved by the student's advisor.

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**Additional Information**

Geospatial analysis refers to geographic information systems (GIS) and remote sensing applied to documenting, mapping, interpreting, and managing natural and cultural resources. GIS techniques have become the preferred method for documenting and monitoring a range of environmental conditions. An interdisciplinary minor in geospatial analysis could be used in combination with any undergraduate major. This minor is especially recommended to enhance majors in biological, earth science, chemistry, physical science, history, political science or anthropology, as well as mathematics and computer science. Additional information can be obtained from the Department of Physical Sciences, Cram Science Hall, room 133, Box 4030, the Department of Biology, Breukelman Science Hall, room 174, Box 4050, or Department of Social Sciences, Plumb Hall, room 411, Box 4032.

This checklist has been created as a guide and is not considered an official document. Students are responsible for checking for required prerequisites in the University Catalog for all courses listed. For further information about meeting degree requirements, consult your academic advisor and the University Catalog.