# Geographic Information Science Minor (GIS MN)

Department of Geography  
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## Overview

The GIS minor aims to provide fundamental training in GIS that is needed for students from various disciplines to advance their career. The curriculum of the GIS minor is based on that of the GIS major, which includes a diverse range of courses that can be selected by students to count toward the proposed minor degree. These classes will provide students with extensive experience in mapping, geospatial analysis, geospatial modeling, environmental modeling, and statistical methods. Most the courses include a lab companion to give students hands-on training.

## Minor Requirements

**Effective for students declaring the minor SP16 and beyond.**

The minor in GIS requires a minimum of 18 semester credit hours of course work.

### Required: 12 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Required Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 4103 *</td>
<td>3</td>
<td>Math 1116 or above</td>
</tr>
<tr>
<td>GEOG 5200(S)</td>
<td>3</td>
<td>None</td>
</tr>
<tr>
<td>GEOG 5210</td>
<td>3</td>
<td>None</td>
</tr>
<tr>
<td>GEOG 5212 *</td>
<td>3</td>
<td>GEOG 5210 &amp; CSE 1114</td>
</tr>
<tr>
<td>OR GEOG 5225</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

### Electives: 6 hours

Students must take two elective courses. All courses below may count toward the minor, unless taken as a required course.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Required Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 5103</td>
<td>3</td>
<td>GEOG 4103</td>
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<tr>
<td>GEOG 5201</td>
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<td>GEOG 5200(S)</td>
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<tr>
<td>GEOG 5212 *</td>
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<td>GEOG 5210 &amp; CSE 1114</td>
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<tr>
<td>GEOG 5222 *</td>
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<tr>
<td>GEOG 5223 *</td>
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<td>GEOG 5229 *</td>
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<td>GEOG 5210</td>
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<td>GEOG 5300</td>
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<td>None</td>
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<tr>
<td>GEOG 5402</td>
<td>3</td>
<td>None</td>
</tr>
</tbody>
</table>

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**Geographic Information Science minor program guidelines**

- **Required for graduation:** No
- **Credit hours required:** A minimum of 18 credit hours. 1000-level courses shall not be counted in the minor. At least 6 credit hours must be at the 3000-level or above.
- **Transfer and EM credit hours allowed:** A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.
- **Overlap with the GE:** A student is permitted to overlap up to 6 credit hours between the GE and the minor.
- **Overlap with the major and additional minor(s):**
  - The minor must be in a different subject than the major.
  - The minor must contain a minimum of 12 hours distinct from the major and/or additional minor(s).
- **Grades required:**
  - Minimum C- for a course to be counted on the minor.
  - Minimum 2.00 cumulative GPA for all minor course work.
  - Course work graded Pass/Non-Pass cannot count on the minor.
  - No more than 3 credit hours of course graded Satisfactory/Unsatisfactory may count toward the minor.

**X193 credits** No more than 3 credit hours.

**Minor approval** The minor must be approved by the academic unit. Please see the undergraduate advisor for approval.

**Filing the minor program form** The minor program form must be filed at least by the time the graduation application is submitted to a college/school counselor.

**Changing the minor** Once the minor program is filed in the college office, any changes must be approved by the academic unit offering the minor. Please see the undergraduate advisor for approval.

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College of Arts and Sciences  
Curriculum and Assessment Services  
154 Denney Hall, 164 Annie & John Glenn Ave.  
[http://artsandsciences.osu.edu/](http://artsandsciences.osu.edu/)

Received 8/31/12 DH  
BV 7/5/14  
BV 7/27/15  
Rev approved CAA 12-2-15  
DH 5/6/17  
DH 7-19-18  
DH 6-3-19  
DH 6-9-21