**Welcome to the Geography and Geology Department at Western Kentucky University**

**Geographic Information Science Professional B.S. (#576)**

Semester-by-Semester Checklist for the Professional GIS Major - Effective Fall 2016

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Semester</th>
<th>Course</th>
<th>Credit</th>
<th>Semester</th>
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<tr>
<td><strong>FRESHMAN YEAR</strong></td>
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<td><strong>FRESHMAN YEAR</strong></td>
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<tr>
<td>GEOL/G 103 Earth</td>
<td>3</td>
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<td>GEOG 110 Regional Geo</td>
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<tr>
<td>ENG 100 Writing</td>
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<td>MATH 117 Trig</td>
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<tr>
<td>MATH 116 Algebra (Colonnade MATH)</td>
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<td>GISC 216 Technologies</td>
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<tr>
<td>HIST 101 or 102 (Colonnade History)</td>
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<td>COMM 145 (Colonnade Commun)</td>
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<td>GEOG 175 Freshman</td>
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<td>ENG 200 Literature</td>
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<td><strong>HOURS</strong></td>
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<td></td>
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<td><strong>SOPHOMORE YEAR</strong></td>
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<tr>
<td>Science Lab (METR 121 or similar)</td>
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<td></td>
<td>GEOG 300 Writing (Colonnade Writing)</td>
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<tr>
<td>GISC 316 GIS Intro</td>
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<td>MATH 183 Statistics</td>
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<td>Language Colonnade</td>
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<td>GISC 317 GIS II</td>
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<td>Colonnade Arts Human</td>
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<td>Connections S&amp;B</td>
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<td>CE 160/161 Surveying</td>
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<td>University Elective</td>
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<td>GEOG 391 Spatial Stats</td>
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<td>GISC 414 Remote Sense</td>
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<td>GISC 417 GIS Analysis</td>
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<td>GISC 419 GIS Program</td>
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<td>Connections Systems</td>
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<td>GEOG 475 Internship</td>
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<td>GIS Elective</td>
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<td>GISC 423 or GISC 477</td>
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<td>GISC 492 Advanced GIS</td>
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<td>GISC 443 Databases</td>
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<td>GISC 418 Internet GIS</td>
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<td>GEOG 499 Prof Prep</td>
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<td>Independent Research</td>
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<td><strong>HOURS</strong></td>
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- 120 Hours total are required in the program, with 42 hours at the 300/400 level.
- Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters.
- Required and elective courses can be moved from semester to semester to take advantage of courses when offered.
- The WKU Colonnade Program requires a minimum of 39 hours, with several required courses in the Geology program that can be double-counted.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed sooner.