# GIS/PLANNING OPTION
## CURRICULUM CHECKING SHEET
(2006-2008 Catalog)

### COURSES REQUIRED IN DEPARTMENT

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Semester Taken</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESCI 111N</td>
<td>Physical Geology</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESCI 112N</td>
<td>Physical Geography</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 105</td>
<td>World Regional Geography</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>Economic Way of Thinking</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 121/131</td>
<td>General Chemistry</td>
<td>4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Take 1 of the following:
- ECON 102 Principles of Macroeconomics
- ECON 132 Economics and the Environment

**University Core and Electives**

TOTAL: 30

#### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Semester Taken</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 201</td>
<td>Human Geography</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 211</td>
<td>Fund. GIS and Cartography</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT 216</td>
<td>Elem. Statistics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT 217</td>
<td>Inter. Statistics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 206</td>
<td>Govt of the US</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Take 1 of the following:
- ENGL 221 College Writing II
- ENGL 223 Technical Writing

*Take 1 of the following:
- ME 115 and 116 Engineering Design Graphics
- TE 230 2-D Computer Aided Drafting

**University Core and Electives**

TOTAL: 30
**JUNIOR YEAR**

**GEOG 305**  
GIS and Spatial Analysis  

**GEOG 334**  
Geographical Planning  

**ESCI 301**  
Earth Science Writing  

**POLS 208**  
State and Local Govt  

**LRES 201**  
Soil Resource  

**LRES 357**  
GPS Fund. and Appl. in Mapping  

Take 2 of the following:

**GEOG 331**  
Urban Geography  

**GEOG 332**  
Economic Geography  

**ESCI 432**  
Surface Water Resources  

Take 1 of the following:

**ESCI 310**  
Aerial Photo Interpretation  

**LRES 325**  
Remote Sensing  

University Core and Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 or 4</td>
</tr>
</tbody>
</table>

**TOTAL**  

| Total                              | 30      |

**SENIOR YEAR**

**ESCI 307**  
Prin. of Geomorphology  

**GEOG 411**  
Advanced GIS and Spatial Analysis  

**GEOG 405**  
Geographic Thought  

**GEOG 425**  
Tourism and Recreational Planning  

Take 3 of the following:

**BIOL 303**  
Princ. of Ecology  

**LRES 352**  
Watershed Management  

**LRES 421**  
Holistic Thought and Management  

**POLS 350**  
Natural Resource Policy  

**POLS 351**  
Public Policy Analysis  

**POLS 355**  
Prin. of Public Administration  

**POLS 415**  
Montana Local Politics and Policy  

**POLS 457**  
Urban Politics  

Additional Advisor-approved upper division courses in ESCI, GEOG, or LRES

University Core and Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL**  

| Total                              | 30      |