# BA GEOGRAPHY, GEOGRAPHIC INFORMATION SYSTEMS & ANALYSIS CONCENTRATION WORKSHEET

1. **Minimum of 16 Geography courses.**

2. **Lower and Upper Division Core Requirements: Complete all of the following.**  
   Required (For 1, 2, 3, or 11, note equivalents taken at other institutions)  
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<table>
<thead>
<tr>
<th>Course</th>
<th>Campus</th>
<th>Taken</th>
<th>Planned</th>
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</thead>
<tbody>
<tr>
<td>Geog 1: Physical Geography (GE:B1)</td>
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<td>Geog 2: Cultural Geography (GE:D)</td>
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<td>Geog 3: Intro to Maps</td>
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<td>Geog 11: Physical Geog Lab (GE:B3)</td>
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<td>Geog 102: Idea &amp; Skills</td>
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<td>Geog 118: Earth Transformed</td>
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<tr>
<td>Geog 190: Seminar in Geographic Thought (GE:WI)</td>
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3. **Breadth requirements: Take one from each category.**
   - **Geographic Techniques**
     - Geog 105  
     - Geog 107  
     - Geog 109  
     - Geog 110  
     - Geog 163  
     - Geog 181  
     - Geog 193x
   - **Physical Geography**
     - Geog 111 (GE:B5)  
     - Geog 113 (GE:B5)  
     - Geog 115 (GE:B5)  
     - Geog 116 (GE:B5)  
     - Geog 117  
     - Geog 161  
   - **Regional Geography**
     - Geog 121  
     - Geog 125  
     - Geog 127  
     - Geog 128  
     - Geog 129  
     - Geog 131  
   - **Human Geography**
     - Geog 141  
     - Geog 143  
     - Geog 145 (GE:D)  
     - Geog 147  
     - Geog 148  
     - Geog 149  
     - Geog 163  

4. **Geographic Information Systems and Analysis Concentration: Courses used to satisfy Core or Breadth Requirements cannot be counted towards concentration requirements.**
   **Required:**
   - Geog 109
   
   **Four of the following:**
   - Data Analysis (At least one):
     - Geog 107  
     - Geog 110  
     - Geog 181  
   - Data Output (At least one):
     - Geog 105  
     - Geog 163  
     - Geog 199