# Major Map: Geography (Meteorology-Climatology) – Bachelor of Science (B.S.)
## College of Liberal Arts and Sciences, Tempe Campus
### Catalog Year: 2009-2010

**Completed ATP:** [ ] Yes [ ] No  
**Completed AGEC:** [ ] Yes [ ] No  

<table>
<thead>
<tr>
<th>Course Subject and Title (courses in bold/shading are critical)</th>
<th>Hrs.</th>
<th>Upper Division Transfer Course/Grade</th>
<th>Minimum Grade if Required</th>
<th>Additional Critical Tracking Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TERM ONE: 0-15 CREDIT HOURS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Awareness area (C)</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>ENG 101 and 102: First-Year Composition OR</td>
<td>3</td>
<td></td>
<td>Grade of C</td>
<td>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses</td>
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<tr>
<td>ENG 107 and 108: English for Foreign Students OR</td>
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<td></td>
<td>• ASU Math Placement Exam score determines placement in Mathematics course</td>
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<tr>
<td>ENG 105: Advanced First-Year Composition</td>
<td>3</td>
<td></td>
<td>Grade of C</td>
<td>• All freshmen are required to pass an academic success class and therefore must enroll in an Academic Success Cluster and/or a First Year Seminar</td>
</tr>
<tr>
<td>Humanities, Fine Arts, and Design (HU)</td>
<td>3</td>
<td></td>
<td>Grade of C in MAT 170</td>
<td></td>
</tr>
<tr>
<td>Awareness Area (H)</td>
<td>3</td>
<td></td>
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</tr>
</tbody>
</table>

**TERM TWO: 16-30 CREDIT HOURS**  
- MAT 270: Calculus with Analytic Geometry I (MA)  
- GPH 111: Introduction to Physical Geography (SQ)  
- ENG 101 and 102: First-Year Composition OR  
- ENG 107 and 108: English for Foreign Students OR  
- ENG 105: Advanced First-Year Composition  
- Humanities, Fine Arts, and Design (HU)  
- Academic Success Class or First Year Seminar  

**TERM THREE: 31-45 CREDIT HOURS**  
- GPH 212: Introduction to Meteorology (SQ)  
- MAT 271: Calculus with Analytic Geometry II (MA)  
- PHY 121/122: University Physics I/Laboratory (SQ)  
- General Elective  
- General Elective  

**TERM FOUR: 46-60 CREDIT HOURS**  
- GPH 213/215: Introduction to Climatology/Laboratory (SG)  
- MAT 272: Calculus with Analytic Geometry III (MA)  
- PHY 131/132: University Physics II/Laboratory (SQ)  
- Upper Division General Elective  

**TERM FIVE: 61-75 CREDIT HOURS**  
- GCU 102: Introduction to Human Geography (SB, G)  
- GPH 409: Synoptic Meteorology I  
- MAT 274: Elementary Differential Equations (MA)  
- Literacy and Critical Inquiry (L)  

**TERM SIX: 76-90 CREDIT HOURS**  
- GPH 370: Geographic Information Technologies (CS)  
- GPH 410: Synoptic Meteorology II  
- GPH 491: Geographic Field Methods  
- GCU 121: World Geography (SB, G)  
- Upper Division Science and Society  

**TERM SEVEN: 91-105 CREDIT HOURS**  
- GPH 371: Introduction to Cartography & Georepresentation (CS)  
- GCU 474: Public Land Policy (SB)  
- GCU 493: Quantitative Methods in Geography (CS)  
- GPH 412: Physical Climatology  
- GPH 413: Meteorological Instruments and Measurement  
- GPH 414: Climate Change (G)  
- Upper Division General Elective  

**TERM EIGHT: 106-120 CREDIT HOURS**  
- GPH 475: Dynamic Meteorology II  
- GCU 496 (L): Geographic Research Methods (L)  
- GCU 3** or 4** Elective (SB)  
- Upper Division General Elective  
- Upper Division Science and Society
Graduation Requirements Summary:

<table>
<thead>
<tr>
<th>Total Hours (120 minimum)</th>
<th>Total UD Hours (minimum 45)</th>
<th>Cumulative GPA (2.00 minimum)</th>
<th>Total Hrs at ASU (minimum 30)</th>
<th>Resident Credit for Academic Recognition (minimum 56)</th>
<th>Total Comm. College Hrs. (maximum 64)</th>
</tr>
</thead>
</table>

General University Requirements: Legend

- General Studies Core Requirements:
  - Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative applications (CS)
  - Humanities, Fine Arts, and Design (HU)
  - Social and Behavioral Sciences (SB)
  - Natural Science-Quantitative (SQ)
  - Natural Science-General (SG)

- General Studies Awareness Requirements
  - Cultural Diversity in the US (C)
  - Global Awareness (G)
  - Historical Awareness (H)

- First-Year Composition

Additional Notes:
There is room in this major map to add a concurrent degree, a minor or a certificate.