Geography Major, Geographic Information Science Emphasis, B.A. 2008-2009

PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography 3A-B, 5, 12</td>
<td>16</td>
</tr>
<tr>
<td>One course from: Chemistry 1A/AL, EEMB 2, 20, 21, MCDB 20, Environmental Studies 2; Geology 2, 4; Physics 10</td>
<td>4</td>
</tr>
<tr>
<td>One course from: Anthropology 2, 5; Communication 1; Economics 1, 2; Environmental Studies 3; Linguistics 20A; Political Science 7; Psychology 1; Sociology 1</td>
<td>4</td>
</tr>
<tr>
<td>One course from: Computer Science 5 AA-ZZ</td>
<td>4</td>
</tr>
<tr>
<td>One course from: Communication 87; PSTAT 5A, 5E; EEMB 30; Psychology 5</td>
<td>4-5</td>
</tr>
<tr>
<td>Strongly Recommended: Math 3A, Geography 2</td>
<td></td>
</tr>
</tbody>
</table>

UPPER DIVISION MAJOR

40-47 UD Geography units are required, distributed as follows:

A: 24-29 Units from Geographic Information Science Courses: 24-29
   Students may choose one of two options: 1) Three courses and associated labs (noted by slash marks) in each of two of the concentrations below or 2) three courses from one of the concentrations plus at least one course from each of the remaining three concentrations.

   Air Photos and Remote Sensing: Geography 102, 115A, 115B, 115C
   Cartography: Geography 118, 126, 128, 184A, 184C
   Geographic Information Systems: Geography 176A, 176B/BL, 176C
   Quantitative Techniques and Theoretical Methods: Geography 117, 168, 172, 190, 191/L, 194

Courses taken:

B: Physical Geography: One course from Geography 104, 110, 112, 114A-B, 116, 133, 134, 144, 162A, 163, 165, 166, 167, 170, 175. 4-5

C: Human Geography: One course from Geography 101, 108, 109, 111A-B, 141A, 141C, 145, 146, 153A-B-C-D-E, 180, 185A-B-C-D, 190 (If not used in area A) 4

D: 4 Additional Units from either Area B or Area C 4-5

E: Integrative and Regional Geography: One course from Geography 135, 135S, 140, 141B, 148, 149, 150, 155, 158, 159, 161, 169, 171BT, 171FP, 182 4

Note: Geography 193, 194, 195, 198, 199, 199RA can be applied to area B or C by petition, depending on the subject matter. A maximum of 8 UD units from related fields can be counted towards the 40 unit total, if (a) they are selected from an approval list of alternatives, or (b) are approved by petition. This list of alternatives is available in the department office. Geography 193 (Internship) can count at most 4 units towards the major.

MAJOR REGULATIONS

PREREQUISITES Check the General Catalog for the prerequisites to all listed courses.

P/NP GRADING OPTION Allowed for up to four units in each Geography 193 and 199RA. All other major courses (prep or UD), including those applied to the major from other departments, must be completed on a letter-graded basis.

SUBSTITUTIONS Geography 193, 198, 199, or 199RA, may be petitioned to count for areas A-D dependent upon course content. Unit restrictions apply.

RESIDENCE REQUIREMENTS At least 20 UD units in major while in residence at UCSB.

G.P.A. REQUIREMENTS At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD) for the major, including courses in excess of minimum requirements.

DOUBLE MAJORS With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.