**Geography Major, Geographic Information Science Emphasis, B.A. 2007-2008**

**PREPARATION FOR THE MAJOR**

Geography 3A-B, 5, 12 ................................................................. 16

One course from: Chemistry 1A/AL, EEMB 2, 20, 21, MCDB 20, Environmental Studies 2; Geology 2, 4; Physics 10 .................................................... 4

One course from: Anthropology 2, 5; Communication 1; Economics 1, 2; Environmental Studies 3; Linguistics 20A; Political Science 7; Psychology 1; Sociology 1 ..................................... 4

One course from: Computer Science 5 AA-ZZ .................................. 4

One course from: Communication 87; PSTAT 5A, 5E; EEMB 30; Psychology 5 ............................................. 4-5

Strongly Recommended: Math 3A, Geography 2

**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, 128, 184A, 184C
Geographic Information Systems: Geography 176A, 176B/BL, 176C
Quantitative Techniques and Theoretical Methods: Geography 117, 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 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, 182 ................................................................... 4

Note: A maximum of eight upper-division units from related fields may be included for Geography credit, selected without petition from a list of approved alternatives in the department office, or from other courses by petition.

**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.