

**Note: See Major Progress Check on GOLD
 for full list of all degree requirements.**

GEOGRAPHY MAJOR, B.A. – 2022-2023
GEOGRAPHIC INFORMATION SCIENCE EMPHASIS

PREPARATION FOR THE MAJOR

UNITS TO COMPLETE

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| 1. Geography 3, 4, 5, 12 (or W 12)..... | 16 _____ |
| 2. One course from: Chemistry 1A-AL; EEMB 2-2L or 2-2LL; Environmental Studies 2;
Earth Science 2 or 4; MCDB 20; Physics 6A-6AL..... | 4-5 _____ |
| 3. One course from: Anthropology 2 or 5; Communication 1; Economics 1 or 2;
Environmental Studies 3; Linguistics 20; Political Science 7; Psychology 1; Sociology 1..... | 4-5 _____ |
| 4. Computer Science 8..... | 4 _____ |
| 5. One course from: Communication 87; PSTAT 5A, 5LS; Psychology 5..... | 5 _____ |
- Strongly Recommended: Math 2A or 3A**

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 must choose three courses from one concentration, and any three courses from the remaining two concentrations.

Air Photos and Remote Sensing: Geography 115A, 115B, 115C

Geographic Information Systems and Cartography: Geography 176A, 176B, 176C, 126, 128, 183, 184

Quantitative Techniques and Theoretical Methods: Geography 117, 172, 175, 178, 186, 190, 191

Courses taken: _____

- B: Physical Geography: One course from Geography 102, 104, 110, 112, 114A-B, 116, 119, 130,
 131, 132, 133, 134, 136, 137, 142, 144, 162, 163, 165, 166, 167 4-5 _____
- C: Human Geography: One course from Geography 101, 108, 109, 111A-B-C, 141A-B-C, 145, 146
 152, 153A-B-C-D, 182, 185A-B-C 4 _____
- D: 4 Additional Units from either Area B or Area C 4-5 _____
- E: Integrative and Regional Geography: One course from Geography 113, 140, 148, 149, 150,
 155, 158, 159, 160, 161, 169, 171BT, 171FP, 185D 4 _____

Note: Geography 193, 198, 199, 199RA can be applied to any UD area by petition, depending on the subject matter, up to a maximum of 5 units. A maximum of 8 UD units from related fields may be applied to the major, if (a) they are selected from the approved list of related courses, or (b) are approved by petition. The list of related courses is available in the department office and on the department web site.

MAJOR REGULATIONS

- PREREQUISITES** Check the *General Catalog* for the prerequisites to all listed courses.
- P/NP GRADING OPTION** Up to 5 units of the following courses may be taken P/NP for major credit: Geography 193, 198, 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** In the major requirements are permissible only by petition to the department chair and dean.
- 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.
- DOUBLE MAJORS** With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.