



**California State Polytechnic University, Pomona  
Degree Curriculum Sheet**

Plan (Major) **GEOGRAPHY**  
Subplan/Option **Geographic Information Systems**

Catalog Year **2016 - 2017**  
Minimum Units Required **180**

Name \_\_\_\_\_  
Student ID \_\_\_\_\_

| <b>Required Core Courses</b>   |
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| Required of all students. A 2.0 cumulative GPA is required in core courses, including subplan courses, in order to receive a degree in the major.  |
| GEO 101 - Physical Geography (4)   |
| GEO 102 - Human Geography (4)  |
| GEO 222/222A - Introduction to Cartography (3/1)   |
| GEO 240/240A - Introduction to Geographic Information Systems (3/1)  |
| GEO 303 - Climatology (4) *  |
| GEO 309 - Field Geography (4)  |
| GEO 315 - Urban Geography (4)  |
| GEO 461 - Senior Colloquium (2)  |
| <br>   |
| GEO 350 - U.S. and Canada Geography (4) or<br>GEO 351 - Geography of California (4) * or<br>GEO 352 - Geography of Latin America (4) or<br>GEO 357 - Geography of Asia (4) or<br>GEO 358 - Geography of Africa (4) or<br>GEO 359 - Europe: Land and People (4) |
| <br>   |
| *Note: If course(s) is taken to satisfy GE requirements, then student will need to complete additional approved units for Required Core.   |
| <b>Total Units 34</b>  |

| <b>Required Subplan/Option Courses</b>  |
|---|
| GEO 305 - Advanced Physical Geography I (4) or<br>GEO 307 - Advanced Physical Geography II (4)                                    |
| <br>  |
| GEO 410 - Photographic Remote Sensing (4)<br>GEO 420 - Digital Image Processing (4)   |
| <br>  |
| GEO 422 - Multimedia Mapping (3) and<br>GEO 422A - Multimedia Mapping Activity (1)  |
| <br>  |
| GEO 442/442A - Advanced Geographic Information Systems I (3/1)<br>GEO 443/443A - Advanced Geographic Information Systems II (3/1) |
| <b>Total Units 24</b>   |

| <b>Elective Support Courses</b>  |
|--|
| Any five upper division GEO courses not otherwise used to satisfy degree requirements. |
| No more than 8 units in GEO 35X courses.   |
| <b>Total Units 20</b>  |

| <b>Unrestricted Electives</b>  |
|--|
| Select a sufficient number of courses so that the total from "GE" and "Unrestricted Electives" is at least 102 units.              |
| *Note: If GEO 351 is used as an Elective Support Course and to satisfy "GE", then the number of Unrestricted Electives may change. |
| <b>Total Units 34</b>  |

| <b>Interdisciplinary General Education</b>   |                                  |  |
|--|----------------------------------|--|
| An alternate pattern for partial fulfillment of GE Areas A, C, D, and E available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Students must be exempt from or score at least 147 on the EPT to qualify for IGE. Please refer to the University Catalog General Education Program section for additional information. |                                  |  |
| <b>How IGE fulfills General Education Requirements:</b>  |                                  |  |
| <b>Year</b>  | <b>Completion of IGE Courses</b> | <b>Satisfies GE Requirements</b>       |
| Freshman   | IGE 120, IGE 121, IGE 122        | A2 as well as any 2 courses from C1-C3 |
| Sophomore  | IGE 220, IGE 221, IGE 222        | D1 (8 units) and D3                    |
| Junior   | IGE 223, IGE 224                 | D2 and Area E                          |
| <b>Total Units 32</b>  |                                  |  |

| <b>General Education Requirements</b>                                 |
|---|
| <b>Area A Communication &amp; Critical Thinking (12 units)</b>        |
| 1. Oral Communication   |
| 2. Written Communication  |
| 3. Critical Thinking  |
| <b>Area B Mathematics &amp; Natural Sciences (16 units)</b>           |
| 1. Physical Science   |
| 2. Biological Science   |
| 3. Laboratory Activity  |
| 4. Math/Quantitative Reasoning  |
| 5. Science & Technology Synthesis                                     |
| <b>Area C Humanities (16 units)</b>                                   |
| 1. Visual and Performing Arts   |
| 2. Philosophy and Civilization  |
| 3. Literature and Foreign Language                                    |
| 4. Humanities Synthesis   |
| <b>Area D Social Sciences (16 units)</b>                              |
| 1. U.S. History, Constitution, American Ideals                        |
| a. United States History  |
| b. Introduction to American Government                                |
| 2. History, Economics and Political Science                           |
| 3. Sociology, Anthropology, Ethnic & Gender Studies                   |
| 4. Social Science Synthesis   |
| <b>Area E Lifelong Understanding &amp; Self Development (4 units)</b> |
| <b>Total Units 68</b>   |

| <b>American Institutions</b>                                      |          |
|---|----------|
| Courses that satisfy this requirement may also satisfy GE Area D1 | <b>8</b> |

| <b>American Cultural Perspectives Requirement</b>   |          |
|---|----------|
| Refer to the University Catalog General Education Program section for a list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements. | <b>4</b> |

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.