

**B.S. GEOGRAPHY
DEGREE REQUIREMENTS**

FOUNDATIONS

Freshman Composition ENGL 101 and 102 or equivalent

Course Number	Course Title	Units	Grade
_____	_____	_____	_____
_____	_____	_____	_____

Mathematics Complete ONE COURSE from list on Advisement Report

Course Number	Course Title	Units	Grade
_____	_____	_____	_____

Second Language Second Semester Proficiency – Grade of C or better required for course that fulfills the requirement.

Course Number	Course Title	Units	Grade
_____	_____	_____	_____
_____	_____	_____	_____

TIER ONE

Traditions and Cultures: Complete TWO: (Dept) 160 (A, B, C or D)

Course Number	Course Title	Units	Grade
_____	_____	_____	_____
_____	_____	_____	_____

Individual and Societies: Complete TWO: (Dept) 150 (A, B, or C)

Course Number	Course Title	Units	Grade
_____	_____	_____	_____
_____	_____	_____	_____

Natural Sciences: Complete TWO: (Dept) 170 (A, B, or C)

Course Number	Course Title	Units	Grade
_____	_____	_____	_____
_____	_____	_____	_____

TIER TWO

Arts Complete THREE UNITS from list on Advisement Report.

Course Number	Course Title	Units	Grade
_____	_____	_____	_____

Natural Sciences Complete ONE Tier 2 Natural Sciences course from list on Advisement Report.

Course Number	Course Title	Units	Grade
_____	_____	_____	_____

Humanities Complete ONE Tier 2 HUMANITIES class from list on Advisement Report.

Course Number	Course Title	Units	Grade
_____	_____	_____	_____

DIVERSITY EMPHASIS

ONE COURSE in degree program must meet this requirement. See Advisement Report for list of approved courses.

Course Number	Course Title	Units	Grade
_____	_____	_____	_____

MAJOR: minimum 36 units, minimum 21 upper-division units

MINOR OR SECOND MAJOR is required. _____

MID-CAREER WRITING ASSESSMENT (MCWA) _____

Grade of B or better in English 102/109H/108 OR grade of B or better in writing emphasis course in major (See advisor for list of course options.)

UNIVERSITY GRADUATION REQUIREMENTS:

120 Total Units	_____
30 UA Units (Excluding Credit by Exam)	_____
42 Units Upper Division (300 – 400 level)	_____
18 of Final 30 Units must be UA units	_____
Minimum 56 units from Four-Year Institution	_____
60 Units Correspondence or Credit by Exam Maximum	_____
Minimum Cumulative GPA 2.0	_____
Minimum Major GPA 2.0	_____
Minimum Minor GPA 2.0	_____

Bachelor of Science In Geography Major Requirements, 2018 to present

<p>Foundation Courses (4 courses)</p> <ul style="list-style-type: none"> ___ GEOG 220 Our Diverse Biosphere ___ GEOG 222 Working with Numeric, Spatial, and Visual Data ___ GEOG 230 Our Changing Climate ___ GEOG/GIST/RNR 417 Geographic Information Systems <p>Introductory human geography course (1 course):</p> <ul style="list-style-type: none"> ___ GEOG 210 Political and Cultural Geography of Globalization ___ GEOG/LAS/MENA 251 World Regional Geography ___ PLG/GEOG 256 Sustainable Cities. 	<p>Methods courses (2 courses):</p> <ul style="list-style-type: none"> ___ GEOG/ENVS/GEN/GEOS/GIST/WSM 330 Introduction to Remote Sensing ___ GEOG 357 Geographical Research Methods ___ GEOG/RNR 416A Computer Cartography ___ GEOG/GIST/PLG 457 Statistical Techniques in Geography
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Choose ONE concentration: Physical Geography; Geographic Information Science; or Water, Land, and Society

Physical Geography	Geographic Information Science	Water, Land, & Society
<p>Concentration Method (1 course):</p> <ul style="list-style-type: none"> ___ GEOG 303 Field Methods <p>Physical Geography (4 courses): Must not duplicate the course taken for introductory physical geography course.</p> <ul style="list-style-type: none"> ___ GEOG 240 Our Dynamic Landscape ___ GEOG 338 Biogeography ___ ECOL 406R Conservation Biology ___ GEOG 430 The Climate System ___ GEOG 431 Global and Regional Climate ___ GEOG 435 Plants Under Stress ___ GEOS/GEOG/ANTH/WSM 439A Dendochronology ___ GEOG/GEOS 447 Global and Regional Climatology ___ GEOS 450 Geomorphology ___ RNR 455 Introduction to Wildland Fire (Pre-requisite: MCB 181R, ECOL182R) ___ GEOS 478 Global Change ___ GEOG/ENVS/GEOS/GIST//PLG/RNR 483 Geographical Applications of Remote Sensing 	<p>Concentration Method (1 course):</p> <ul style="list-style-type: none"> ___ GEOG 330 Introduction to Remote Sensing (May not double dip with Methods requirement) <p>Advanced Methods (4 courses): P = prerequisite</p> <ul style="list-style-type: none"> ___ GEOG/RNR 416C Urban Geographic Information Systems(P 417) ___ GEOG/RNR 416D Participatory Approaches in GIS (P 417) ___ GEOG/GIST/RNR 416E Geovisualization (GIS) (P 416A, 417) ___ GEOG/RNR 416F GIS for Social Sciences ___ GEOG/RNR 419 Cartographic Modeling (P 417) ___ GEOG/GIST/RNR 420 Advanced Geographic Information Systems (P 417) ___ RNR/GEOG 422 Resource Mapping ___ GEOG 424 Integrated GIS (P 417) ___ RNR 355 Intro Geospatial Concepts ___ GEOG 458 Geography of Transportation ___ RNR/GEOG 473 Spatial Analysis & Modeling (P: 417 and Statistics) ___ GEOG/GIST/ENVS/PLG/RNR 483 Geographical Applications of Remote Sensing (P: 330) ___ ATMO/GEOG/GEN/GEOS/HWSR/OPTI/REM/RNR 490 Remote Sensing for the Study of Planet Earth (P 330, 417) <p>P – Prerequisite</p>	<p>Concentration Method (1 course):</p> <ul style="list-style-type: none"> ___ GEOG 303 Field Methods <p>Water, Land, & Society Courses (4 courses):</p> <ul style="list-style-type: none"> ___ GEOG/EVS 304 Water, Environment & Society ___ GEOG/EVS 362 Environment and Development ___ GEOG/SOC 367 Population Geography ___ GEOG/PLG 379 Urban Growth and Development ___ GEOG/EVS 404 Politics of Nature ___ GEOG 430 The Climate System ___ GEOG 435 Plants Under Stress ___ GEOG/EVS/HWRS/LAS/PLG 461 Environmental & Resource Geography ___ GEOG/EVS 468 Water and Sustainability ___ GEOG 469 Water Resource Assessment ___ PLG/RNR 472 Environmental Land Use Planning ___ PLG/GEOG 476 The Land Development Process ___ GEOS 478 Global Change ___ GEOG/ANTH/POL 488 Governing Science & Tech.

36 units required. A minimum of 21 units must be upper division. Minimum 2.00 GPA required.

Double dipping, or double use of courses, with a minor is not permitted. Students may double dip up to 6 units with a second major.