

Geography Major

Effective for students beginning degree Summer Sem. 2016 thru Spring Sem. 2017

GENERAL EDUCATION and UNIVERSITY STUDIES		
Competency Req.	Breadth Requirements* (1000 or 2000 level course)	Depth Education Requirements (3000 or 4000 level course)
<input type="checkbox"/> CL1: ENGL 1010 <input type="checkbox"/> CL2: ENGL 2010 <input type="checkbox"/> QL: MATH 1050 or AP, CLEP, IBO, ACT, or SAT score	<input type="checkbox"/> Life Science (BLS): _____ <input type="checkbox"/> American Institutions (BAI) _____ <input type="checkbox"/> Humanities (BHU) _____ <input type="checkbox"/> Creative Arts (BCA) _____ <input type="checkbox"/> Social Science (BSS): GEOG 1300 <input type="checkbox"/> Physical Science (BPS): GEOG 1000 <input type="checkbox"/> Exploration: Choose an additional class from one of the following General Education categories: QL, BAI, BCA, BHU, BLS, BPS, or BSS. An additional BPS course (such as GEO 1110 or PHYS 2220) or an additional BSS course (such as ANTH 2010 or ENVS 2340), if chosen as an elective, will meet this requirement.	<input type="checkbox"/> Humanities and Arts (DHA): _____ Depending on your Emphasis Area (below): <input type="checkbox"/> Life and Physical Sciences (DSC): _____ OR <input type="checkbox"/> Social Sciences (DSS): _____ <input type="checkbox"/> Communications Intensive (CI): _____ <input type="checkbox"/> Communications Intensive (CI): _____ <input type="checkbox"/> Quantitative Intensive (QI): PSC 4810
* Two of the following are included to fulfill breadth requirement: <input type="checkbox"/> USU 1300 (BAI) <input type="checkbox"/> USU 1320 (BHU) <input type="checkbox"/> USU 1330 (BCA) <input type="checkbox"/> USU 1350 (BLS)		

GEOGRAPHY MAJOR REQUIREMENTS (62 credits)				
All courses required for the major <i>must</i> be taken on an <i>A-B-C-D-F</i> basis. A grade of <i>C-</i> or better is required for all ENVS or GEOG courses used to meet requirements for a major in Geography. The grade point average for all courses taught by the College of Natural Resources must be 2.5 or higher.				
A. Geography Core (29-31 credits)				
Must complete all of the following:		Sem.	Cr.	Prerequisite
<input type="checkbox"/> ENVS 2000	Natural Resources Professional Orientation	F	1	
<input type="checkbox"/> GEOG 1000 (BPS)	Physical Geography	F	3	
<input type="checkbox"/> GEOG 1005	Physical Geography Lab	F	1	<input type="checkbox"/> GEOG 1000 (may be taken concurrently)
<input type="checkbox"/> GEOG 1300 (BSS)	World Regional Geography	F	3	
<input type="checkbox"/> GEOG/WILD 1800	Introduction to Geographic Information Sciences	F, Sp	3	
<input type="checkbox"/> GEOG 4100	Geographic Approaches to the Human-Environmental Relationship	Sp	3	
<input type="checkbox"/> GEOG 4210	Geography of Utah	F, Sp, Su	3	(Taught face-to-face in odd-numbered springs)
<input type="checkbox"/> PSC 4810 (DSC/QI)	Climate and Climate Change	Sp	3	<input type="checkbox"/> GEOG 1000 or PSC 2000
<input type="checkbox"/> STAT 1040 (QL)	Introduction to Statistics	F, Sp, Su	3	<input type="checkbox"/> One of the following within the last year or three consecutive semesters (including summer): ACT Math score of 19 or higher; SAT Math score of 460 or higher; AP Calculus AB score of at least 3; Grade of C or better in MATH 0995 or MATH 1010; Grade of C- or better in MATH 1050 or MATH 1100; or satisfactory score on the Math Placement Exam. <input type="checkbox"/> One of the following within the last year or three consecutive semesters (including summer): ACT Math score of 17 or higher; SAT Math score of 420 or higher; Grade of C- or better in MATH 0950; or satisfactory score on the Math Placement Exam. <input type="checkbox"/> One of the following within the last year or three consecutive semesters (including summer): ACT Math score of 25 or higher; SAT Math score of 580 or higher; Grade of C- or better in MATH 1050 or MATH 1100; or satisfactory score on the Math Placement Exam. <input type="checkbox"/> C- or better in MATH 1100 or MATH 1210
<input type="checkbox"/> STAT 1045 (QL)	Introduction to Statistics with Elements of Algebra	F, Sp, Su	5	
<input type="checkbox"/> STAT 2000 (QI)	Statistical Methods	F, Sp, Su	4	
<input type="checkbox"/> STAT 3000 (QI)	Statistics for Scientists	F, Sp, Su	3	

<input type="checkbox"/> WATS/BIOL 2220	General Ecology	Sp	3	
<input type="checkbox"/> WILD 2200 (BLS)	or Ecology of Our Changing World	F, Sp	3	
<input type="checkbox"/> WILD 5750	Applied Remote Sensing	F	3	

B. Emphasis Area (33 credits)

Students majoring in Geography are required to select an emphasis from one of the following areas to complement the disciplinary core: Human-Environment Geography, Geographical Analysis and Bioregional Planning, or Physical Geography. Students should be aware of courses requiring prerequisites. Descriptions in the General Catalog will provide further information.

1. Human-Environment Geography Emphasis (33 credits)

a. Human-Environment Geography Core (9 credits)

<input type="checkbox"/> GEOG 4120 (CI)	Environment and Development in Latin America	F	3	
<input type="checkbox"/> GEOG 4400	Natural Hazards and Society	Sp	3	(Taught in even-numbered years)
<input type="checkbox"/> HIST 3950 (DHA/CI)	Environmental History		3	

b. Elective Courses (24 credits)

Complete 24 credits chosen from the following list or as approved by an advisor:

<input type="checkbox"/> ANTH 2010 (BSS)	Peoples of the Contemporary World	Sp	3	
<input type="checkbox"/> APEC 3012 (DSS)	Introduction to Natural Resource and Regional Economics	F	3	
<input type="checkbox"/> ENVS 2340 (BSS)	Natural Resources and Society	F, Sp	3	
<input type="checkbox"/> ENVS 3010	Fundamentals of Natural Resource and Environmental Policy	F, Sp	3	
<input type="checkbox"/> ENVS 3330	Environment and Society	Sp	3	
<input type="checkbox"/> ENVS 3500 (QI)	Quantitative Assessment of Environmental and Natural Resource Problems	F	3	<input type="checkbox"/> MATH 1050 <input type="checkbox"/> STAT 2000 or STAT 3000
<input type="checkbox"/> ENVS 3600 (DSC)	Living with Wildlife	F, Sp	3	
<input type="checkbox"/> ENVS 4000 (DSS)	Human Dimensions of Natural Resource Management	F	3	
<input type="checkbox"/> ENVS 4100	Introduction to Modeling Human-Environment Systems	Sp	3	<input type="checkbox"/> ENVS 2340 <input type="checkbox"/> ENVS 3500 (Taught in even-numbered years)
<input type="checkbox"/> ENVS 4500 (CI)	Wildland Recreation Behavior	F	3	<input type="checkbox"/> ENVS 3300
<input type="checkbox"/> ENVS 4700 (CI)	Communicating Sustainability	Sp	3	
<input type="checkbox"/> ENVS 5000	Environmental Nonprofit and Volunteer Management	Sp	3	
<input type="checkbox"/> ENVS 5550	Sustainability: Concepts and Measurement	Sp	3	
<input type="checkbox"/> GEOG 1400 (BSS)	Human Geography	Sp	3	
<input type="checkbox"/> GEOG 4220	International Regional Geography	F, Sp, Su	3	
<input type="checkbox"/> GEOG/POLS 3430	Political Geography	Sp	3	<input type="checkbox"/> POLS 2100, 2200, 2300 or 2400
<input type="checkbox"/> LAEP 2039	Foundations of Sustainable Systems	F	3	
<input type="checkbox"/> PHIL 3530 (DHA)	Environmental Ethics		3	
<input type="checkbox"/> POLS 2400	Introduction of Geopolitics	Sp	3	
<input type="checkbox"/> SOC 3110 (CI)	Methods of Social Research	F, Sp	3	<input type="checkbox"/> Completion of 6 credits in departmental courses
<input type="checkbox"/> SOC 3120 (QI)	Social Statistics I	F, Sp, Su	3	<input type="checkbox"/> Completion of 6 credits in departmental courses <input type="checkbox"/> Completion of the Quantitative Literacy (QL) requirement with a grade of C- or better
<input type="checkbox"/> SOC 3200 (DSS)	Population and Society	F, Sp	3	
<input type="checkbox"/> SOC 3600 (DSS)	Sociology of Urban Places	F	3	

<input type="checkbox"/> SOC 3610 (DSS)	Rural Sociology	F	3	
<input type="checkbox"/> SOC 4620 (DSS)	Sociology of the Environment and Natural Resources	Sp	3	
c. Depth Requirements All depth requirements have been met through requirements for the major.				
2. Geographical Analysis and Bioregional Planning Emphasis (33 credits) a. Geographical Analysis and Bioregional Planning Core (5 credits)				
<input type="checkbox"/> WATS 4930	Advanced GIS and Spatial Analysis	Sp	3	<input type="checkbox"/> GEOG 1800
<input type="checkbox"/> WATS 4931	GIS Research Projects	Sp	2	<input type="checkbox"/> WATS 4930, which is taught the first 10 weeks of the semester
b. Elective Courses (28 credits) Complete 28 credits chosen from the following list or as approved by an advisor:				
<input type="checkbox"/> ENVS 2340 (BSS)	Natural Resources and Society	F, Sp	3	
<input type="checkbox"/> ENVS 3010	Fundamentals of Natural Resource and Environmental Policy	F, Sp	3	
<input type="checkbox"/> ENVS 3330	Environment and Society	Sp	3	
<input type="checkbox"/> ENVS 3500 (QI)	Quantitative Assessment of Environmental and Natural Resource Problems	F	3	<input type="checkbox"/> MATH 1050 <input type="checkbox"/> STAT 2000 or STAT 3000
<input type="checkbox"/> ENVS 4000 (DSS)	Human Dimensions of Natural Resource Management	F	3	
<input type="checkbox"/> ENVS 4100	Introduction to Modeling Human-Environment Systems	Sp	3	(Taught in even-numbered years)
<input type="checkbox"/> ENVS 4130	Recreation Policy and Planning	Sp	3	
<input type="checkbox"/> ENVS 4700 (CI)	Communicating Sustainability	Sp	3	
<input type="checkbox"/> ENVS 5550	Sustainability: Concepts and Measurement	Sp	3	
<input type="checkbox"/> ENVS 6320	Water Law and Policy in the United States	Sp	3	<input type="checkbox"/> Instructor permission
<input type="checkbox"/> GEOG 1400 (BSS)	Human Geography	Sp	3	
<input type="checkbox"/> GEOG/POLS 3430	Political Geography		3	<input type="checkbox"/> POLS 2100 or POLS 2200 or POLS 2300 or POLS 2400
<input type="checkbox"/> GEOG 4120 (CI)	Environment and Development in Latin America	F	3	
<input type="checkbox"/> GEOG 4220	International Regional Geography	F, Sp, Su	3	
<input type="checkbox"/> GEOG 4400	Natural Hazards and Society	Sp	3	(Taught in even-numbered years)
<input type="checkbox"/> LAEP 2300 (BHU)	History of Landscape Architecture	Sp	3	
<input type="checkbox"/> LAEP 3700 (CI)	City and Regional Planning	Sp	3	<input type="checkbox"/> Fulfillment of Communications Literacy CL2 requirement
<input type="checkbox"/> PHIL 3530 (DHA)	Environmental Ethics		3	
<input type="checkbox"/> SOC 3120 (QI)	Social Statistics I	F, Sp, Su	3	<input type="checkbox"/> Completion of 6 credits in departmental courses <input type="checkbox"/> Completion of the Quantitative Literacy (QL) requirement with a grade of C- or better
<input type="checkbox"/> SOC 3600 (DSS)	Sociology of Urban Places	F	3	
<input type="checkbox"/> SOC 3610 (DSS)	Rural Sociology	F	3	
<input type="checkbox"/> STAT 5410	Applied Spatial Statistics	F	3	<input type="checkbox"/> C- or better in STAT 3000 <input type="checkbox"/> Knowledge of a statistical package (e.g., S-Plus, R, SAS, etc.) or any programming language (e.g., C/ C++, FORTRAN, etc.) is strongly recommended
<input type="checkbox"/> WATS 3700 (CI)	Fundamentals of Watershed Science	Sp	3	
<input type="checkbox"/> WATS 5003	Remote Sensing of Land Surfaces	Sp	4	<input type="checkbox"/> MATH 1100 or 1210 <input type="checkbox"/> PHYS 2110 or 2210

<input type="checkbox"/> WILD 3800	Wildland Plants and Ecosystems	F	4	<input type="checkbox"/> BIOL 1620 <input type="checkbox"/> WATS/BIOL 2220 <input type="checkbox"/> Department authorization required for all non-majors
<input type="checkbox"/> WILD 4950	ST: Python for ArcGIS		1	
<input type="checkbox"/> WILD 4950	ST: Python for Open Source GIS		1	
<input type="checkbox"/> WILD 4950	ST: Python GIS Projects		1	
c. Depth Requirements In addition to two CI courses, complete at least 2 credits in approved 3000-level or above courses from the following two category: Humanities and Creative Arts (DHA). HIST 3950 may be used toward the depth requirement. HIST 3950, GEOG 4120, and WATS 3700 may be used toward the CI requirements.				
3. Physical Geography Emphasis (33 credits) -- PLEASE NOTE: Elimination of this emphasis is pending.				
a. Physical Geography Core (10 credits)				
<input type="checkbox"/> WATS/GEO 3600	Geomorphology	F	4	<input type="checkbox"/> GEO 3200 and MATH 1060, or AP Calculus AB score of 3 or higher, or permission of instructor
<input type="checkbox"/> WATS 3700 (CI)	Fundamentals of Watershed Science	Sp	3	
<input type="checkbox"/> WATS 4930	Advanced GIS and Spatial Analysis	Sp	3	<input type="checkbox"/> GEOG 1800
b. Elective Courses (23 credits) Complete 23 credits chosen from the following list or as approved by an advisor:				
<input type="checkbox"/> BIOL 5010	Biogeography	Sp	3	<input type="checkbox"/> BIOL 1620
<input type="checkbox"/> ENVS 3010	Fundamentals of Natural Resource and Environmental Policy	F, Sp	3	
<input type="checkbox"/> ENVS 4100	Introduction to Modeling Human-Environment Systems	Sp	3	(Taught in even-numbered years)
<input type="checkbox"/> ENVS 6320	Water Law and Policy in the United States	Sp	3	<input type="checkbox"/> Instructor permission
<input type="checkbox"/> GEO 1110 (BPS)	Physical Geology	F, Sp, Su	3	<input type="checkbox"/> GEO 1010 or GEO 1060 or USU 1360 (all may be taken concurrently)
<input type="checkbox"/> GEO 1115	Physical Geology Lab	F, Sp	1	
<input type="checkbox"/> GEO 3100 (DSC)	Natural Disasters	Sp	3	<input type="checkbox"/> One Breadth Physical Sciences (BPS) course
<input type="checkbox"/> GEOG 4120 (CI)	Environment and Development in Latin America	F	3	
<input type="checkbox"/> GEOG 4400	Natural Hazards and Society	Sp	3	(Taught in even-numbered years)
<input type="checkbox"/> HIST 3950 (DHA/CI)	Environmental History		3	
<input type="checkbox"/> MATH 1100 (QL)	Calculus Techniques	F, Sp, Su	3	<input type="checkbox"/> One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 25; SAT Math score of at least 580; AP Calculus AB score of at least 3; Grade of C- or better in MATH 1050; or satisfactory score on the Math Placement Exam
<input type="checkbox"/> MATH 1210 (QL)	Calculus I	F, Sp, Su	4	<input type="checkbox"/> One of the following within the last year or three consecutive semesters (including summer): ACT Math score of at least 27; SAT Math score of at least 620; AP Calculus AB score of at least 3; Grade of C- or better in MATH 1050 and MATH 1060; or satisfactory score on the Math Placement Exam
<input type="checkbox"/> MATH 1220 (QL)	Calculus II	F, Sp, Su	4	<input type="checkbox"/> C- or better in MATH 1210, or AP score of at least 4 on Calculus AB exam or at least 3 on Calculus BC exam
<input type="checkbox"/> PHYS 2210 (BPS/QI)	Physics for Scientists and Engineers I		4	<input type="checkbox"/> MATH 1210
<input type="checkbox"/> PHYS 2220 (BPS/QI)	Physics for Scientists and Engineers II		4	<input type="checkbox"/> MATH 1210 <input type="checkbox"/> PHYS 2200 or PHYS 2210, or a minimum score of 4 or higher on the AP Physics B exam, or a minimum score of 3 on the AP Physics C (Mechanics) exam
<input type="checkbox"/> PSC 3000	Fundamentals of Soil Science	F, Sp	4	<input type="checkbox"/> CHEM 1110 or higher <input type="checkbox"/> MATH 1050 or higher

<input type="checkbox"/> PSC 5003	Remote Sensing of Land Surfaces	Sp	4	<input type="checkbox"/> MATH 1100 or MATH 1210 <input type="checkbox"/> PHYS 2110 or PHYS 2210
<input type="checkbox"/> STAT 5410	Applied Spatial Statistics	F	3	<input type="checkbox"/> C- or better in STAT 3000 <input type="checkbox"/> Knowledge of a statistical package (e.g., S-Plus, R, SAS, etc.) or any programming language (e.g., C/C++, FORTRAN, etc.) is strongly recommended
<input type="checkbox"/> WATS 4931	GIS Research Projects	Sp	2	<input type="checkbox"/> WATS 4930, which is taught the first 10 weeks of the semester
<input type="checkbox"/> WATS/GEO 5150	Fluvial Geomorphology	F	3	
<input type="checkbox"/> WATS/GEO 5170	Fluvial Geomorphology Lab	F	2	
<input type="checkbox"/> WILD 5750	Applied Remote Sensing	F	3	

c. Depth Requirement

In addition to one additional CI course, complete at least 2 credits in an approved 3000-level or above courses from each of the following two categories: Humanities and Creative Arts (DHA) and Social Sciences (DSS). ENV5 4000 and HIST 3950 may be used toward the depth course requirements. GEOG 4120 or HIST 3950 may be used toward the CI requirement.

C. General Electives

Students may take the remainder of the 120 credits from any department. The guidelines described previously under "Breadth Requirements" and "Depth Education Requirements" should be consulted to ensure meeting University Studies requirements.

Students who transfer to USU with an Associate of Arts (AA) or Associate of Science (AS) degree from a regionally-accredited institution will have satisfied the General Education portion of the University Studies requirements, but will still need to complete the Depth Education portion.

Geography Minor

GEOGRAPHY MINOR REQUIREMENTS (19 credits)

All courses required for the minor must be taken on an A-B-C-D-F basis. A grade of C- or better is required for all courses used to meet requirements for a minor in Geography. The grade point average for all courses taught by the College of Natural Resources must be 2.5 or higher.

Must complete all of the following:		Sem.	Cr.	Prerequisite
<input type="checkbox"/> GEOG 1000 (BPS)	Physical Geography	F	3	
<input type="checkbox"/> GEOG 1005	Physical Geography Lab	F	1	<input type="checkbox"/> GEOG 1000 (may be taken concurrently)
<input type="checkbox"/> GEOG 1300 (BSS)	World Regional Geography	F	3	
<input type="checkbox"/> GEOG/WILD 1800	Introduction to Geographic Information Sciences	F, Sp	3	
<input type="checkbox"/> GEOG 4100	Geographic Approaches to the Human-Environmental Relationship	Sp	3	
Select two of the following courses:				
<input type="checkbox"/> GEOG 4120 (CI)	Environment and Development in Latin America	F	3	GEOG/WILD 1800
<input type="checkbox"/> GEOG 4210	Geography of Utah	F, Sp, Su	3	
<input type="checkbox"/> GEOG 4400	Natural Hazards and Society	Sp	3	(Taught in even-numbered years)
<input type="checkbox"/> WATS 4930	Advanced GIS and Spatial Analysis	Sp	3	<input type="checkbox"/> GEOG/WILD 1800

Graduation Requirements

Total Credits.....	120
Total Credits of C- or better	100
Upper-division credits (#3000 or above)	40
USU credits (20 upper-division, 10 req. by major)	30
GPA	2.00
Credits in American Institutions (ECN 1500; HIST 1700, 2700, or 2710; HONR 1300; POLS 1100; or USU 1300).....	3

Geography Teaching Minor

GEOGRAPHY TEACHING MINOR REQUIREMENTS (20 credits)

Students wishing to minor in Geography should contact the Department of Environment and Society or meet with the department's designated minor advisor. All courses required for the minor must be taken on an *A-B-C-D-F* basis. A grade of *C-* or better is required for all courses taken to meet requirements for the minor. A minimum GPA of 2.5 is required for courses taken to complete the minor.

A. Geography Teaching Minor Foundation Courses (16 credits)

Must complete all of the following:		Sem.	Cr.	Prerequisite
<input type="checkbox"/> GEOG 1000 (BPS)	Physical Geography	F	3	
<input type="checkbox"/> GEOG 1005	Physical Geography Lab	F	1	<input type="checkbox"/> GEOG 1000 (may be taken concurrently)
<input type="checkbox"/> GEOG 1300 (BSS)	World Regional Geography	F	3	
<input type="checkbox"/> GEOG 4210	Geography of Utah	F, Sp, Su	3	
Select two of the following courses:				
<input type="checkbox"/> GEOG/WILD 1800	Introduction to Geographic Information Sciences	F, Sp	3	
<input type="checkbox"/> GEOG 4100	Geographic Approaches to the Human-Environmental Relationship	Sp	3	
<input type="checkbox"/> GEOG 4120 (CI)	Environment and Development in Latin America	F	3	
<input type="checkbox"/> GEOG 4400	Natural Hazards and Society	Sp	3	(Taught even-numbered years)
<input type="checkbox"/> WATS 4930	Advanced GIS and Spatial Analysis	Sp	3	<input type="checkbox"/> GEOG/WILD 1800

B. Geography Education Courses (4 credits)

<input type="checkbox"/> SCED 3300	Clinical Experience I	F	1	<input type="checkbox"/> Program admission
<input type="checkbox"/> SCED 3500	Teaching Social Studies	F, Sp	3	<input type="checkbox"/> Program admission

Graduation Requirements

Total Credits.....	120
Total Credits of C- or better	100
Upper-division credits (#3000 or above)	40
USU credits (20 upper-division, 10 req. by major)	30
GPA	2.00
Credits in American Institutions (ECN 1500; HIST 1700, 2700, or 2710; HONR 1300; POLS 1100; or USU 1300).....	3

GEOGRAPHY

HUMAN-ENVIRONMENT MAJOR

RECOMMENDED FOUR-YEAR PLAN OF STUDY

Students should meet regularly with their faculty advisor and carefully plan their academic program, keeping in mind that many upper-division courses have prerequisites and must be taken in sequence. Students following the recommended schedule listed below should be able to complete degree requirements in four years (eight semesters).

A. First Year (30 credits)

Fall (14 credits)

- ENGL 1010 (CL1) Introduction to Writing: Academic Prose3
- ENVS 2000 Natural Resources Professional Orientation1
- GEOG 1000 (BPS) Physical Geography3
- GEOG 1005 Physical Geography Lab1
- GEOG 1300 (BSS) World Regional Geography3
- BAI course3

Spring (16 credits)

- MATH 1050 (QL) College Algebra4
- USU 1320 (BHU) Civilization: Humanities **or**
other approved Breadth Humanities (BHU) course3
- WILD/NR 2200 (BLS) Ecology of Our Changing World3
- General Elective course3
- General Elective course3

B. Second Year (30-32 credits)

Fall (15-17 credits)

- ENGL 2010 (CL2) Intermediate Writing: Persuasive Mode3
- GEOG 1800 Intro. to Geographic Information Sciences3
- Approved STAT course 3-5
- USU 1330 (BCA) Civilization: Creative Arts **or**
other approved Breadth Creative Arts (BCA) course3
- General Elective course3

Spring (15 credits)

- GEOG 3800 GeoData Visualization & Information Design
(pending approval)3
- GEOG 4100 Geographic Approaches to the Human-
Environmental Relationship3
- Degree Emphasis Elective3
- Degree Emphasis Elective3
- General Elective course3

C. Third Year (30 credits)

Fall (15 credits)

- GEOG 4120 (CI) Environment and Development in Latin
America3
- Degree Emphasis Elective (DSS)3
- General Elective course3
- General Elective course3
- General Elective course3

Spring (15 credits)

- GEOG 4210 Geography of Utah3
- PSC 4810 (DSC/QI) Climate and Climate Change3
- GEOG 4400 Natural Hazards and Society3
- Degree Emphasis Elective3
- General Elective course3

D. Fourth Year (30 credits)

Fall (15 credits)

- HIST 3950 (DHA/CI) Environmental History3
- WILD 5750 Applied Remote Sensing3
- Degree Emphasis Elective3
- General Elective course3
- General Elective course3

Spring (15 credits)

- Degree Emphasis Elective3
- Degree Emphasis Elective3
- General Elective course3
- General Elective course3
- General Elective course3

GEOGRAPHY

GEOGRAPHICAL ANALYSIS & BIOREGIONAL PLANNING MAJOR RECOMMENDED FOUR-YEAR PLAN OF STUDY

Students should meet regularly with their faculty advisor and carefully plan their academic program, keeping in mind that many upper-division courses have prerequisites and must be taken in sequence. Students following the recommended schedule listed below should be able to complete degree requirements in four years (eight semesters).

A. First Year (30 credits)

Fall (14 credits)

- ENGL 1010 (CL1) Introduction to Writing: Academic Prose3
- ENVS 2000 Natural Resources Professional Orientation1
- GEOG 1000 (BPS) Physical Geography.....3
- GEOG 1005 Physical Geography Lab1
- GEOG 1300 (BSS) World Regional Geography3
- BAI course3

Spring (16 credits)

- MATH 1050 (QL) College Algebra4
- USU 1320 (BHU) Civilization: Humanities or
other approved Breadth Humanities (BHU) course3
- WILD/NR 2200 (BLS) Ecology of Our Changing World3
- General Elective course3
- General Elective course3

B. Second Year (30-32 credits)

Fall (15-17 credits)

- ENGL 2010 (CL2) Intermediate Writing: Persuasive Mode.....3
- GEOG 1800 Intro. to Geographic Information Sciences.....3
- Approved STAT course 3-5
- USU 1330 (BCA) Civilization: Creative Arts or
other approved Breadth Creative Arts (BCA) course.....3
- General Elective course.....3

Spring (15 credits)

- GEOG 3800 GeoData Visualization & Information Design
(pending approval)3
- GEOG 4100 Geographic Approaches to the Human-
Environmental Relationship.....3
- Degree Emphasis Elective.....3
- Degree Emphasis Elective.....3
- General Elective course3

C. Third Year (29-30 credits)

Fall (15 credits)

- Communications Intensive (CI) Elective.....3
- Depth Humanities and Arts (DHA) Elective3
- Degree Emphasis Elective.....3
- General Elective course3
- General Elective course3

Spring (14-15 credits)

- GEOG 4210 Geography of Utah3
- PSC 4810 (DSC/QI) Climate and Climate Change.....3
- WATS 4930 Advanced GIS and Spatial Analysis.....3
- WATS 4931 GIS Research Projects2
- General Elective course 3-4

D. Fourth Year (30 credits)

Fall (15 credits)

- WILD 5750 Applied Remote Sensing3
- Communications Intensive (CI) Elective3
- Degree Emphasis Elective.....3
- Degree Emphasis Elective.....3
- General Elective course3

Spring (15 credits)

- Degree Emphasis Elective.....3
- Degree Emphasis Elective.....3
- Degree Emphasis Elective.....3
- General Elective course3
- General Elective course3