

Geography, BS

Academic Plans

Four-Year Graduation Plan

The following checkpoints list the minimum requirements students must complete by certain semesters in order to stay on the university's Four-Year Graduation Plan. Courses in the major are those required to complete the major; they may be offered by departments other than the major department.

Before the third semester begins: two introductory courses in the major.

Before the fifth semester begins: six courses in the major.

Before the seventh semester begins: 12 courses in the major and at least 90 s.h. earned toward the degree.

Before the eighth semester begins: 15 courses in the major.

During the eighth semester: enrollment in all remaining coursework in the major, all remaining GE CLAS Core courses, and a sufficient number of semester hours to graduate.

Sample Plans of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Geography, BS

- Environmental Studies Track [p. 1]
- Geographic Information Science Track [p. 2]
- Health and Society Track [p. 3]

Environmental Studies Track

Course	Title	Hours
Academic Career		
Any Semester		
GE CLAS Core: Sustainability ^a		
Hours		0
First Year		
Fall		
GEOG:1020	The Global Environment ^b	3
GEOG:1021	The Global Environment Lab ^b	1
GEOG:1090	Globalization and Geographic Diversity ^b	3
RHET:1030	Rhetoric	3 - 4
or ENGL:1200	or The Interpretation of Literature	
GE CLAS Core: Historical Perspectives ^c		3
CSI:1600	Success at Iowa	2
Hours		15-16
Spring		
GEOG:1070	Contemporary Environmental Issues ^b	3
Major: geography "select one" course ^{d, e}		3 - 4
ENGL:1200	The Interpretation of Literature	3 - 4
or RHET:1030	or Rhetoric	
GE CLAS Core: Values and Culture ^c		3

Elective course ^f	3
Hours	15-17

Second Year		
Fall		
GEOG:2050	Foundations of GIS	4
STAT:2010	Statistical Methods and Computing ^b	3
GE CLAS Core: World Languages First Level Proficiency or elective course ^g		4 - 5
Elective course ^f		3
Elective course ^f		2

Hours		16-17
Spring		
STAT:3200	Applied Linear Regression	3
Major: environmental studies track course		3
GE CLAS Core: Diversity and Inclusion ^c		3
GE CLAS Core: World Languages Second Level Proficiency or elective course ^g		4 - 5
Elective course ^f		2

Hours		15-16
Third Year		
Fall		
Major: GIS "select one" course ^h		3
Major: computer science/math course ^{i, j}		3 - 4
Major: environmental studies track course		3
GE CLAS Core: World Languages Third Level Proficiency or elective course ^g		4 - 5
Elective course ^f		2

Hours		15-17
Spring		
GEOG:3400	Iowa Environmental Policy in Practice	1 - 3
or CCP:1201	or Academic Internship	
or GEOG:3992	or Undergraduate Research	
Major: environmental studies track course		3
GE CLAS Core: Literary, Visual, and Performing Arts ^c		3
GE CLAS Core: World Languages Fourth Level Proficiency or elective course ^g		4 - 5
Elective course ^f		3

Hours		14-17
Fourth Year		
Fall		
Major: environmental studies track course		3
GE CLAS Core: Natural Sciences without Lab ^c		3
Elective course ^f		3
Elective course ^f		3
Elective course ^f		3

Hours		15
Spring		
GEOG:4030	Senior Project Seminar	3
or GEOG:4995	or Honors Thesis	
Elective course ^f		3
Elective course ^f		3
Elective course ^f		3
Elective course ^f		3

Degree Application: apply on MyUI before deadline
(typically in February for spring, September for fall)

Hours	15
Total Hours	120-130

a Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative and Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Culture.

b Fulfills a major requirement and may fulfill a GE requirement.

c GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.

d Choose from the following options: GEOG:1060, GEOG:1070, GEOG:2110, GEOG:2910, GEOG:2950.

e Students cannot choose a course that they have already used elsewhere in the major.

f Students may use elective courses to earn credit towards the total s.h. required for graduation or to complete a double major, minors, or certificates.

g Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.

h Students cannot double-count the same course for this requirement and a requirement in the track.

i Choose from the following options: CS:1210, CS:2110, CS:2230, MATH:1380, MATH:1460. This course should be chosen based on math placement exam and/or prior coursework, and cannot count for more than one major requirement.

j Enrollment in math courses requires completion of a placement exam.

k Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.

Geographic Information Science Track

Course	Title	Hours
Academic Career		
Any Semester		
GE CLAS Core: Sustainability ^a		
Hours		0
First Year		
Fall		
GEOG:1020	The Global Environment ^b	3
GEOG:1021	The Global Environment Lab ^b	1
GEOG:1090	Globalization and Geographic Diversity ^b	3
RHET:1030	Rhetoric	3 - 4
or ENGL:1200	or The Interpretation of Literature	
GE CLAS Core: Historical Perspectives ^c		3

CSI:1600	Success at Iowa	2
Hours		15-16

Spring

GEOG:2050	Foundations of GIS	4
Major: geography "select one" course ^{d, e}		3 - 4
ENGL:1200	The Interpretation of Literature	3 - 4
or RHET:1030	or Rhetoric	
GE CLAS Core: Values and Culture ^c		3
Elective course ^f		3

Hours	16-18
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Second Year

Fall

STAT:2010	Statistical Methods and Computing ^b	3
Major: GIS track course		3
GE CLAS Core: Diversity and Inclusion ^c		3
GE CLAS Core: World Languages First Level Proficiency or elective course ^g		4 - 5
Elective course ^f		2

Hours	15-16
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Spring

STAT:3200	Applied Linear Regression	3
Major: GIS track course		3
GE CLAS Core: International and Global Issues or Social Sciences ^c		3
GE CLAS Core: World Languages Second Level Proficiency or elective course ^g		4 - 5
Elective course ^f		2

Hours	15-16
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Third Year

Fall

CS:1110	Introduction to Computer Science ^b	3 - 4
or CS:1210	or Computer Science I: Fundamentals	
or CS:2110	or Programming for Informatics	
Major: GIS track course		3
GE CLAS Core: Literary, Visual, and Performing Arts ^c		3
GE CLAS Core: World Languages Third Level Proficiency or elective course ^g		4 - 5
Elective course ^f		2

Hours	15-17
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Spring

GEOG:3992	Undergraduate Research	1 - 3
or CCP:1201	or Academic Internship	
or GEOG:3400	or Iowa Environmental Policy in Practice	
Major: GIS track course		3
Major: computer science/math course ^{h, i}		3 - 4
GE CLAS Core: World Languages Fourth Level Proficiency or elective course ^g		4 - 5
Elective course ^f		3

Hours	14-18
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Fourth Year

Fall

Major: GIS track course		3
GE CLAS Core: Natural Sciences without Lab ^c		3
Elective course ^f		3
Elective course ^f		3

Elective course ^f	3
Hours	15
Spring	
GEOG:4030 Senior Project Seminar or GEOG:4995 or Honors Thesis	3
Elective course ^f	3
Elective course ^f	3
Elective course ^f	3
Elective course ^f	3
Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall) ^j	
Hours	15
Total Hours	120-131

a Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative and Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Culture.

b Fulfills a major requirement and may fulfill a GE requirement.

c GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.

d Choose from the following options: GEOG:1060, GEOG:1070, GEOG:2110, GEOG:2910, GEOG:2950.

e Students cannot choose a course that they have already used elsewhere in the major.

f Students may use elective courses to earn credit towards the total s.h. required for graduation or to complete a double major, minors, or certificates.

g Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.

h Choose from the following options: CS:1210, CS:2110, CS:2230, MATH:1380, MATH:1460. This course should be chosen based on math placement exam and/or prior coursework, and cannot count for more than one major requirement.

i Enrollment in math courses requires completion of a placement exam.

j Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.

Health and Society Track

Course	Title	Hours
Academic Career		
Any Semester		
GE CLAS Core: Sustainability ^a		
Hours		0
First Year		
Fall		
GEOG:1020	The Global Environment ^b	3
GEOG:1021	The Global Environment Lab ^b	1

GEOG:1090	Globalization and Geographic Diversity ^b	3
ENGL:1200 or RHET:1030	The Interpretation of Literature or Rhetoric	3 - 4
GE CLAS Core: Historical Perspectives ^c		3
CSI:1600	Success at Iowa	2

Hours 15-16

Spring		
GEOG:2110	Eight Billion and Counting: Introduction to Population Dynamics ^b	3

Major: geography "select one" course ^{d, e}		3 - 4
RHET:1030 or ENGL:1200	Rhetoric or The Interpretation of Literature	3 - 4

GE CLAS Core: Values and Culture ^c		3
Elective course ^f		3

Hours 15-17

Second Year

Fall		
STAT:2010	Statistical Methods and Computing ^b	3

GE CLAS Core: Diversity and Inclusion ^c		3
GE CLAS Core: World Languages First Level Proficiency or elective course ^g		4 - 5
Elective course ^f		3
Elective course ^f		2

Hours 15-16

Spring		
GEOG:2050	Foundations of GIS	4
STAT:3200	Applied Linear Regression	3
GE CLAS Core: World Languages Second Level Proficiency or elective course ^g		4 - 5
Elective course ^f		3
Elective course ^f		1

Hours 15-16

Third Year

Fall		
GEOG:3110	Geography of Health	3
Major: computer science/math course ^{h, i}		4
GE CLAS Core: Literary, Visual, and Performing Arts ^c		3
GE CLAS Core: World Languages Third Level Proficiency or elective course ^g		4 - 5
Elective course ^f		2

Hours 16-17

Spring		
CCP:1201 or GEOG:3992 or GEOG:3400	Academic Internship or Undergraduate Research or Iowa Environmental Policy in Practice	1 - 3

Major: Health and Society "select two" course ^j		3
Major: GIS "select one" course ^k		3
GE CLAS Core: World Languages Fourth Level Proficiency or elective course ^g		4 - 5
Elective course ^f		3

Hours 14-17

Fourth Year**Fall**

GEOG:4150	Health and Environment: GIS Applications	3
Major: Health and Society "select two" course ^j		3
Elective course ^f		3
Elective course ^f		3
Elective course ^f		3
Hours		15

Spring

GEOG:4995	Honors Thesis	3
or GEOG:4030	or Senior Project Seminar	
GE CLAS Core: Natural Sciences without Lab ^c		3
Elective course ^f		3
Elective course ^f		3
Elective course ^f		3
Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall) ^l		
Hours		15
Total Hours		120-129

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i Enrollment in math courses requires completion of a placement exam.

j Choose from the following: GEOG:3070, GEOG:3210, GEOG:3300, GEOG:3760, GEOG:3920, GEOG:4770.

k Cannot use GEOG:4150, as it is required elsewhere in the track.

l Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.