

# ENVIRONMENTAL, GEOGRAPHICAL & GEOLOGICAL SCIENCES: GEOGRAPHY & ENVIRONMENTAL PLANNING

## Bachelor of Science (BS)

This degree map is based on the current Academic Catalog and is subject to change. Please note that the degree map is designed to give you a sense of roughly how courses might be distributed over a 4-year degree. Your exact schedule will differ depending on a range of factors though we recommend taking a minimum of 15 credits each fall and spring semester. Regular consultation with your academic advisor is the best way to make sure that you are taking the courses you need in the right order to ensure efficient progress through your degree program.

### Sample 4-Year Plan

<b>First Year</b>			
<b>Fall Courses</b>	<b>Credits</b>	<b>Spring Courses</b>	<b>Credits</b>
EGGS 120 – Physical Geology	4	EGGS 242 – Mapping and GIS Fundamentals	3
EGGS 100 – Intro to Environmental Sciences	3	EGGS 102 – World Cultural Geography	3
EGGS 101 – Physical Geography	3	Math Requirement – Choose 2	3
General Education	3	General Education	3
General Education	3	General Education	3
Semester Total	16	Semester Total	15
<b>Second Year</b>			
<b>Fall Courses</b>	<b>Credits</b>	<b>Spring Courses</b>	<b>Credits</b>
EGGS 221 – Economic Geography	3	EGGS 104 – Regional Geography	3
EGGS 250 – Elements of Planning	3	Biology Requirement – Choose 1	3
Chemistry Requirement – Choose 1	3	Math Requirement – Choose 2	3
General Elective	3	General Elective	3
General Education	3	General Education	3
Semester Total	15	Semester Total	15
<b>Third Year</b>			
<b>Fall Courses</b>	<b>Credits</b>	<b>Spring Courses</b>	<b>Credits</b>
EGGS 360 – Principles of GIS I	3	EGGS Degree Elective – Choose 3	3
EGGS Degree Elective – Choose 3	3	EGGS 302 – Land Resources Management 3	3
EGGS 301 – Water Resources Management	3	General Elective	3
General Elective	3	General Elective	3
General Education	3	General Education	3
Semester Total	15	Semester Total	15
<b>Fourth Year</b>			
<b>Summer – Session 1</b>	<b>Credits</b>	<b>Fall Courses</b>	<b>Credits</b>
EGGS 492 – EGGS Capstone Seminar	3	Degree Elective – Choose 3	3
EGGS 498 – EGGS Internship (9-12 credits)	11	General Education	3
		General Elective	3
		General Elective	3
		General Elective 3	
Semester Total	14	Semester Total	15

### Winter/Summer College - Optional

While not required, Winter and Summer sessions are offered each year and may help you stay on track or get ahead. You may take up to seven (7) credits during Winter College and up to 14 credits during Summer College.

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## Curriculum Checklist

Total of 60 Credits excluding Directed General Ed

### Major Requirements (30 credits)

- \_\_\_ EGGS 100 Environmental Science (3)
- \_\_\_ EGGS 101 Physical Geography (3)
- \_\_\_ EGGS 102 World Cultural Geography (3)
- \_\_\_ EGGS 104 World Regional Geography\* (3)
- \_\_\_ EGGS 105 Environmental Issues & Choices (3)
- \_\_\_ EGGS 120 Physical Geology\* (4)
- \_\_\_ EGGS 221 Economic Geography (3)
- \_\_\_ EGGS 242 Mapping and GIS Fundamentals (3)
- \_\_\_ EGGS 250 Elements of Planning (3)
- \_\_\_ EGGS 301 Water Resources Management (3)\*
- \_\_\_ EGGS 302 Land Resources Management (3)\*
- \_\_\_ EGGS 360 Principles of GIS 1 (3)\*

### Cognate Requirements (Choose 1, 0 credits) \*

- \_\_\_ BIOL 102 Ecology and Evolution (3)
- \_\_\_ BIOL 103 Biodiversity and Conservation Biology (3)

### Cognate Requirements (Choose 1, 3 credits)

- \_\_\_ CHEM 100 Chemistry of the Air, Water, and Earth (3)
- \_\_\_ CHEM 118 Introductory Chemistry (3)

### Cognate Math (Choose 2, 3 credits)

- \_\_\_ EGGS 150 Quantitative Methods (3)
- \_\_\_ MATH 150 Essentials of Calculus\* (3)
- \_\_\_ MATH 160 Calculus 1\* (4)\*
- \_\_\_ STAT 141 Introduction to Statistics\* (3)
- \_\_\_ EGGS 342 Geostatistics (3)\*

### Major Electives (Choose 3 for 12-cr internship, 4 for 9-cr internship)

- \_\_\_ EGGS 200 Geography of US and Canada (3)
- \_\_\_ EGGS 205 Special Topics in Regional Geography (3)
- \_\_\_ EGGS 225 Global Terrorism (3)
- \_\_\_ EGGS 251 Sustainable Food Systems (3)
- \_\_\_ EGGS 275 Introduction to Surveying (3)
- \_\_\_ EGGS 304 Environmental Valuation ((3)\*)
- \_\_\_ EGGS 305 Environmental Risks and Hazards (3)\*
- \_\_\_ EGGS 315 Geography of Recreation, Tourism, & Sport (3)\*
- \_\_\_ EGGS 320 Remote Sensing (3)\*
- \_\_\_ EGGS 350 Advanced Planning (3)\*
- \_\_\_ EGGS 358 Environmental Conservation & Preservation (3)\*
- \_\_\_ EGGS 361 Principles of GIS 2 (3)\*
- \_\_\_ EGGS 364 Digital Cartography (3)
- \_\_\_ EGGS 380 Dams, Reservoirs, and Rivers (3)\*
- \_\_\_ EGGS 386 US Federal Lands: Geography, Politics, Mgmt (3)\*
- \_\_\_ EGGS 390 Special Topics in EGGS (3)\*
- \_\_\_ EGGS 410 Applied Env Analysis with GIS (3\*)
- \_\_\_ EGGS 491 Research in EGGS (3)\*
- \_\_\_ EGGS 493 Independent Study in EGGS (3)\*

### Major Capstone (12-15 credits)

- \_\_\_ EGGS 492 EGGS Capstone Seminar (3)\*
- \_\_\_ EGGS 498 (EGGS Internship)\*

\*Counts as General Education Credit

( )\*Denotes advanced coursework

Students must take a minimum of 42 credits of advanced coursework. Advanced coursework can be met in major courses, minor courses, free elective courses, and general education courses. Courses that meet this requirement are designated in Banner.

## General Education Requirements

(45 credits)

*Note: Some requirements may be fulfilled by coursework in your major program including directed Gen Ed courses noted below*

- Foundations (15 credits)
  - FYS100 First Year Seminar
  - Written Communication
  - Oral Communication
  - History
  - Quantitative
- Interconnections (9 credits from at least two goals)
  - EGGS 104 World Regional Geography (Global Perspectives)
  - Diversity
  - Foreign Language
- Citizenship & Responsibility (6 credits from at least two goals)
  - Citizenship
  - Critical Reasoning
  - Ethical Reasoning
- Natural World & Technologies (9 credits)
  - BIOL 102 Ecology and Evolution
  - BIOL 103 Biodiversity and Conservation Bio
  - Technologies
- Creativity & Expression (6 credits)
  - Arts
  - Creativity
  - Literature

## Degree Requirements

All students must obtain a minimum of 120 credits (a minimum of 42 credits must be advanced coursework), complete all General Education requirements, and all requirements for the selected major. Meet with your advisor and consult Degree Works to monitor your progress and for all graduation requirements.

*A minimum GPA of 2.0 in the major and overall are required.*