

# EGGS A.A.S.: ENVIRONMENTAL TECHNOLOGY

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 2-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 2-Year Plan

<b>First Year</b>			
<b>Fall Courses</b>	<b>Credits</b>	<b>Spring Courses</b>	<b>Credits</b>
FYS 100 - First Year Seminar (Y)	3	WRIT 103 - Foundations of College Writing (W)	3
EGGS 100 - Intro to Environmental Science (N)	3	COMM 101 - Public Speaking (O)	3
EGGS 120 - Physical Geology (N)	4	EGGS 213 - Fundamentals of Soil Science	3
MATH 118 - College Algebra (Q)	3	EGGS 242 - Mapping and GIS Fundamentals	3
SFM 180 - Jobsite Safety	3	SFM 210 - Hazardous Materials	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>
PHIL 204 Environmental Ethics (E)	3	EGGS 325 - UAV Applications	3
EGGS 271 - Fundamentals of Hydrology	3	EGGS 471 Applied Surface Hydrology (EGGS Elective)	3
EGGS 360 - Geographic Information Systems 1	3	EGGS 416 - Applied Soil Science and Land Use (EGGS Elective)	4
SFM 320 - Safety Program Management (EGGS Elective)	3	EGGS 491 - Research in EGGS (EGGS Capstone)	3
EGGS 421 - Environmental Permitting (EGGS Elective)	3		
Semester Total	15	Semester Total	14

### 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

### General Education Environmental Elective: Choose 1 (3 credits)

- EGGS 100 Environmental Science (3)
- EGGS 105 Environmental Issues and Choices (3)
- EGGS 140 Sustainability Science (3)

### General Education Ethics Elective: Choose 1 (3 credits)

- PHIL 203 Business Ethics (3)
- PHIL 204 Environmental Ethics (3)
- PHIL 301 Ethics (3)\*

### General Education Math Elective: Choose 1 (3 credits)

- MATH 118 College Algebra (3)
- MATH 140 Precalculus (3)
- STATS 141 Introduction to Statistics (3)

### Major Requirements (18 credits)

- EGGS 213 Fundamentals of Soil Science (3)
- EGGS 242 Mapping and GIS Fundamentals (3)
- EGGS 271 Fundamentals of Hydrology (3)
- EGGS 360 Principles of GIS 1 (3)\*
- SFM 180 Jobsite Safety (3)
- SFM 210 Hazardous Materials (3)

### Electives: Choose at least 17 credits

- EGGS 275 Introduction to Surveying (3)
- EGGS 280 Oil and Gas Geology (3)
- EGGS 325 UAV Applications (3)\*
- EGGS 335 Emergency Management (3)\*
- EGGS 361 Principles of GIS 2 (3)\*
- EGGS 415 Hydric Soils and Wetlands Delineation (4)\*
- EGGS 416 Applied Soil Science and Land Use (4)\*
- EGGS 420 Watershed Restoration (3)\*
- EGGS 421 Environmental Permitting (3)\*
- EGGS 460 Aqueous Env Geochemistry (4)\*
- EGGS 470 Hydrogeology (3)\*
- EGGS 471 Applied Surface Hydrology (3)\*
- EGGS 480 Geophysical Methods (4)\*
- SFM 310 Safety Program Management (3)\*
- SFM 320 Critical Incident Management (3)\*

### Major Capstone: Choose 1 (3 credits)

- EGGS 450 Environmental Field School (3)\*
- EGGS 455 Environmental Impact Assessment (3)\*
- EGGS 491 Research in EGGS (3)\*
- EGGS 498 Internship in EGGS (3)\*

\*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 (24 credits)

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

- Foundations (15 credits)
  - FYS 100 - First Year Seminar (Y)
  - COMM 101 - Public Speaking (O)
  - WRIT 101/103 - Foundations in Composition/Composition (W)
  - Quantitative (Q)
  - History (H)
- Interconnections (3 credits)
- Citizenship & Responsibility (3 credits)
- Creativity & Expression (3 credits)

## 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.*