

Environmental Science & Sustainability, B.S.

SUSTAINABLE AGRICULTURE CONCENTRATION - College of Arts & Sciences

General Education Curriculum (GEC) Requirements "At - a - Glance"

(Full GEC requirements can be found on pages 51-52)

The GEC contains 22 Learning Objectives organized under five General Education Learning Outcomes (GLOs). To complete the GEC, select at least one course for each objective. Many courses will meet more than one objective, but a minimum of 40 distinct hours in the GEC is required.

1. Effective Written & Oral Communication

- a. Eng 100, 101
- b. Eng 121
- c. Fys 100
- d. Eng 100, 101

2. Critical & Creative Thinking

- a. Eco 100, Phi 151, 152, Psy 100
- b. Eco 100, Phi 151, 152, Psy 100, Soc 100
- c. Eng 121
- d. Art 103, 108, 120, 121, Eng 211
- e. Art 107, Art/Eng 116, Eng 151

3. Quantitative & Scientific Reasoning

- a. Mat 101, 117, 121, 131, 140, 166, 201 or higher, Phy 153, 154
- b. Mat 101, 117, 121, 131, 140, 201 or higher, Phy 153, 154
- c. Bio 103, 104, 105, 112, 261, 262, 300, Hpr 101
- d. Chy 111, 112, 122, 221, 222, Env 110, 120, 125, 130, 201, 301, 302, 308, Gey 112, 114, Phy 153, 154
- e. Bio 105, 112, 113, 261, 262, Chy 111, 112, 122, 221, 222, Env 308, Gey 112, 114, Phy 153, 154

4. Information Literacy

- a. Fys 100
- b. Eng 121
- c. Phi 151, 152, Swk 202

5. Global Consciousness & Intercultural Awareness

- a. Ant 100, 110, Geo 100, 101, Soc 100, Swk 305, Wab 110, Wst 101
- b. Hty 115, 116, 161, 162, 184
- c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, 102 Spa 101, 102, Wab 100, 105
- d. Phi 151, 152, Pos 211, Swk 202
- e. Pos 101, 211, 332

CORE COURSES – 10 CREDIT HOURS

Env 110 Introduction to Environmental Science	3
Mat 201 Probability and Statistics I	3
Env 308 GIS I: Fundamentals of GIS	4

ENVIRONMENTAL SCIENCE – 8 CREDIT HOURS MINIMUM

Bio 112 General Biology I	4
Chy 111 General Chemistry I	4
Gey 112 Fundamentals of Geology	4
Gey 213 Environmental Geology	3
Bio 316 Microbiology	4
Ecy 355 General Ecology	4

SUSTAINABLE AGRICULTURE – 17 CREDIT HOURS MINIMUM

Env 200 Principles of Sustainable Agriculture	3
Env 210 Soil Science	4
Env 220 Integrated Pest Management	3
Bio 230 Plant and Crop Science	4
Bio 240 Animal Science	4
Env 250 Topics in Agriculture*	3-4

*Requirement is topic specific as approved by Advisor

ENERGY AND CLIMATE CHANGE – 9 CREDIT HOURS MINIMUM

Select **ONE** course from Group A and **ONE** course from Group B, plus **ONE** additional course from Group A OR Group B:

Group A:

Env 125 Introduction to Energy	3
Env 130 Renewable Energy Resources	3
Env 201 Fossil Fuels	3

Group B:

Env 301 Climate Change	3
Env 302 Biodiversity and Climate Change	3
Pos 310 Energy Law & Policy	3

BUSINESS MANAGEMENT – 9 CREDIT HOURS

Select **THREE** of the following courses for a total of 9 credit hours:

Bus 150 Introduction to Financial Accounting	3
Bus 200 Intermediate Business Computing	3
Bus 330 Marketing Management	3
Bus 431 Entrepreneurship	3
Eco 207 Macro & Micro Economics	3
Env 250 Topics in Agriculture*	3-4

*Requirement is topic specific as approved by Advisor

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- a. Eng 100, 101 _____
- b. Eng 121 _____
- c. Fys 100 _____
- d. Eng 100, 101 _____

2. Critical & Creative Thinking

- a. Eco 100, Phi 151, 152, Psy 100 _____
- b. Eco 100, Phi 151, 152, Psy 100, Soc 100 _____
- c. Eng 121 _____
- d. Art 103, 108, 120, 121, Eng 211 _____
- e. Art 107, Art/Eng 116, Eng 151 _____

3. Quantitative & Scientific Reasoning

- a. Mat 101, 117, 121, 131, 140, 166, 201 or higher, Phy 153, 154 _____
- b. Mat 101, 117, 121, 131, 140, 201 or higher, Phy 153, 154 ... _____
- c. Bio 103, 104, 105, 112, 261, 262, 300, Hpr 101 _____
- d. Chy 111, 112, 122, 221, 222, Env 110, 120, 125, 130, 201, 301, 302, 308, Gey 112, 114, Phy 153, 154 _____
- e. Bio 105, 112, 113, 261, 262, Chy 111, 112, 122, 221, 222, Env 308, Gey 112, 114, Phy 153, 154 _____

4. Information Literacy

- a. Fys 100 _____
- b. Eng 121 _____
- c. Phi 151, 152, Swk 202 _____

5. Global Consciousness & Intercultural Awareness

- a. Ant 100, 110, Geo 100, 101, Soc 100, Swk 305, Wab 110, Wst 101 _____
- b. Hty 115, 116, 161, 162, 184 _____
- c. Asl 101, Chi 101, 102, Fre 101, 102, 201, 202, Rus 101, 102, Spa 101, 102, Wab 100, 105 _____
- d. Phi 151, 152, Pos 211, Swk 202 _____
- e. Pos 101, 211, 332 _____

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PRACTICAL LEARNING EXPERIENCE – 3 CREDIT HOURS MINIMUM

Select at least ONE of the following (as approved by student's advisor):

Env 408 Applications & Advanced Spatial Analysis (GIS II)	4
Env 397 or 497 Independent Study	3
Env 495 Internship (approved by advisor)	4
Sci 480 Research Methods in Science	3

SELECT GENERAL ELECTIVES TO BRING TOTAL EARNED HOURS TO 120

Total credits required for degree: 120

Minimum cumulative GPA for graduation: 2.00

Cumulative GPA in the major and concentration: 2.25