

Biology, B.A.

SELF-DESIGNED 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, 222, 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 _____

BIOLOGY REQUIREMENTS - 35 CREDIT HOURS

| | |
|--|---|
| Bio 112 General Biology I * | 4 |
| Bio 113 General Biology II * | 4 |
| Bio 200 Research Methods in Biology | 3 |
| Bio 261 Human Anatomy & Physiology I* <i>AND</i> | |
| Bio 262 Human Anatomy & Physiology II | 8 |
| <i>OR</i> Bio 306 Comparative Biology | 4 |
| Bio 316 General Microbiology | 4 |
| Bio 327 Biochemistry | 4 |
| Bio 350 Genetics | 4 |
| Ecy 335 General Ecology | 4 |

REQUIRED MATH COURSES - 7 CREDIT HOURS

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|-----------------------------------|---|
| Mat 131 Calculus I* | 4 |
| Mat 201 Probability & Statistics* | 3 |

REQUIRED CHEMISTRY COURSES - 16 CREDIT HOURS

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|-------------------------------|---|
| Chy 111 General Chemistry I* | 4 |
| Chy 122 General Chemistry II* | 4 |
| Chy 221 Organic Chemistry I* | 4 |
| Chy 222 Organic Chemistry II | 4 |

CAPSTONE - Complete ONE of the following for 3 credit hours:

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|--------------------------------|---|
| Bio 400 Biology Senior Project | 3 |
| Bio 495 Biology Internship | 3 |
| Bio 499 Biology Senior Thesis | 3 |

*Course also meets GEC requirement

SELF-DESIGNED CONCENTRATION

Choose 20 credit hours of 200-level or higher science courses to submit, **at least three semesters prior to anticipated graduation**, as part of the self-designed plan to be approved by the biology program committee.

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 for major requirements: 2.25