Students must complete a minimum of 42 credits under the BIOL or SUST prefix to earn a degree. Students must complete all core classes (22-27 credits) and six courses from at least three of the upper level baskets (3 must be 300 level or higher with a minimum of 18 credits). Students choosing an emphasis shall select 4 courses from one basket and 2 courses from at least two of the other baskets.

In order to graduate 128 credit hours must be completed. Last 30 credit hours must be completed in residency.

This is an unofficial degree planning sheet. It is subject to change.

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### GENERAL EDUCATION: 33 CREDITS

#### I. Skills/Processes for Literacy (3 courses)
- A. INTD 101 University Seminar
- B. ENGL 101 Composition: Theme Writing
- C. ENGL 104 Composition: The Essay

#### II. Humanities (5 courses)
- A. Fine Arts (1 course): Art, Music, Performance
- B. Literature/Language (1 course): ENGL or Foreign Language
- C. Philosophy (1 course)
- D. Humanities Electives (2 courses)
  1. HUM 101/301 or HIST 131/331
  2. One additional elective from ENGL, The Arts/Aesthetics, Foreign Language, HUM, PHIL, REL

#### III. Social Science (3 courses)
- A. American History or Government
- B. Social Science Electives (2 courses from ECON, GEOG, HIST, PSCI, PSYC, SOC)

#### IV. Natural Science/Quantitative Reasoning (met through major)

#### V. General Education Electives (2 courses): From the College of Arts and Sciences

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### UPPER LEVEL BASKETS: MINIMUM 18 CREDITS

**Sustainability & Environmental Stewardship**
- SUST 101: Intro to Sustainability (3)
- SUST 201: Environmental Science and Health (3)
- SUST 150: Sustainability Exploration Seminar (3) S
- SUST 350: Sustainability Expedition S
- SUST 375: Strategies in Sustainability (3) F

**Ecology**
- BIOL 216 Plants & People (4) S
- BIOL 231 Conservation Biology (3) F S@*
- BIOL 314 Botany (4) S
- BIOL 352 General Ecology (4) F S or V
- BIOL 381 Ornithology (4) S V
- BIOL 304 Zoology (3) F #

**Molecular & Microbiology**
- BIOL 316 General Microbiology (4) #
- BIOL 390 Biotechnology (4) F #
- BIOL 391 Molecular Genetics (4) S $
- BIOL 416 Microbial Genetics (4) F S&
- BIOL 418 Applied Microbiology (4) S &

**Anatomy & Physiology**
- BIOL 117 General Biology I (4)
- BIOL 260 General Genetics (4) @
- SCI 498-Advanced Topics (2) S or BIOL 401 Research I (3) @ or SUST 499 (3) for Sustainability conc or BIOL 499 (3) for Applied Microbiology conc.
- BIOL 118 General Biology II (4)
- BIOL 270 Evolution (4) S #
- BIOL 115 – Intro to Human Anatomy and Physiology (4) OR
- BIOL 101 and BIOL 102 (8) – Anatomy and Physiology 1 and 2 (101) and S (102)

**ANATOMY & PHYSIOLOGY**
- BIOL 220 Exercise Science (3) @
- BIOL 203 Comparative Vertebrate Anatomy (4) F S

**NON-BIOLOGY SCIENCE AND MATH REQUIREMENTS: MINIMUM 30 CREDITS**
- MATH 151 Calculus I (4) F (recommended) OR MATH 125 College Algebra & Trigonometry (3) F/S
- CHEM 103 General Chemistry I (4)
- CHEM 104 General Chemistry II (4)
- CHEM 203 Organic Chemistry I (4)
- CHEM 204 Organic Chemistry II (4)
- MATH 141 Elementary Stats (3) F/S OR MATH 420 (3) Statistics for Sci Research OR PSYC 341 Understanding Statistical Inference
- PHYS 153 Calculus-Based Physics I (4) S (recommended) OR PHYS 103 Gen. Physics I (4) F
- PHYS 154 Calculus-Based Physics II (4) S

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### ALTERNATE COURSE OFFERINGS

**Fall Even Years:** Conservation Biology, Comparative Vertebrate Anatomy

**Fall Odd Years:** Ecology, Zoology, Physical Chemistry 1

**Spring Even Years:** Pathophys, Ex Science, Plants and People, Immunology, Ornithology, Physical Chemistry 2, Inorganic Chemistry

**Spring Odd Years:** Intro to Gross, Molecular Genetics, Botany