

Students must complete a minimum of 42 credits under the BIOL or SUST prefix to earn a degree. Students must complete 27 credits) and six courses from at least three of the upper level baskets

		S#
B. ENGL101 Composition: Theme Writing	SCI 499 Advanced Topics (2) S or BIC 401 Research 1 (3) F/So @SUST 99 (3) F/S for Sustainability conc or BIC 499 (3) F/S for Applied Microbiology conc.	BIOL 115 Human Systems (4) F/S OR BIOL 101 and BIOL 102 (8) Anatomy and Physiology 1 and 2 F/S (101) and S (102)
C. ENGL104 Composition: The Essay	UPPER LEVEL BASKETS Minimum 18 credits	
II. HUMANITIES (5 courses)	SUSTAINABILITY & ENVIRONMENT STEWARDSHIP	MOLECULAR & MICROBIOLOGY
A. Fine Arts (1 course) Art Music, Performance Aesthetics	SUST 101: Intro to Sustainability (3) F	BIOL316 General Microbiology (4) F/S#
B. Literature/Language (1 course): ENGL or Foreign Language	SUST 201 Environmental Science and Health (3) F/S	BIOL351 Cell Biology (4) S(*) or >
C. Philosophy (1 course)	SUST 150 Sustainability Exploration Seminar (3) S	BIOL390 Biotechnology (3) F#
D. Humanities Electives (2 courses)	SUST B50: Sustainability Expedition S	BIOL391 Molecular Genetics (4) S* \$
1. HUM 101/301 or HIST 131/331	SUST B75: Strategies in Sustainability (3)	BIOL 416 Microbial Genetics (4) S*&
2. One additional elective from ENGL, The Arts/Aesthetics, Foreign Language, HUM, PHIL, REL		BIOL 440 Applied Microbiology (4) F*&
III. SOCIAL SCIENCES (3 courses)	ECOLOGY	ANATOMY & PHYSIOLOGY
A. American History or Government	BIOL 216 Plants & People (4) S	BIOL220 Exercise Science (3)* @
B. Social Science Electives (2 courses from ECON, GEOG, HIST, PSCI, PSYC, SOC)	BIOL231 Conservation Biology (4) F* @	BIOL350 Intro to Gross Anatomy (4) S* % or > BIOL303 Comparative Vertebrate Anatomy (4) S* ^
IV. Natural Science/Quantitative Reasoning (met through major)	BIOL 314 Botany (4) S*	BIOL354 Immunology (3) S&
V. General Education Electives (2 courses): From with-in the College of Arts		

Concentrations of the Biology Major	Biology Major: Pre-Health Professions Career Tracks Required and/or Recommended Course Material		
Biomedical Science	Medical School & Physician Assistant School	Physical Therapy School	Veterinary Medicine School
Core plus four courses from the Anatomy and Physiology Basket and two courses from the Molecular Biology and Microbiology Basket AND CHEM 320 and BIOL 354.	BIOL 101/102, BIOL 351, CHEM 320, SOC 101, PSYC 101, some programs require two semesters of calculus. Some programs like to see	BIOL 101/102, 300 level (to include either cell, immuno, micro, molecular genetics) BIOL 394, ISYS 100, HEPR	One Ecology course, BIOL 101/102, BIOL 303, CHEM 320, BIOB16, BIOB51, BIOL394 & Mammalian Physiology Lab. ECON
Applied Microbiology	microbiology, immunology, and pathophysiology.	108, PSYC 101, PSYC 254	202, PSYC 101, SCI 131, BIOL 304 Zoology
Core plus five courses from the Molecular and Microbiology Basket to include BIOL 316, Microbiology 2, BIOL 351, BIOL 390, Applied Microbiology AND CHEM 320 and CHEM 353, PSYC 472, and ORGL 472, Math XXX Applied Statistical Analysis		Some programs require an additional human anatomy course Additional Requirements: Min recommended GPA 3.5 GREPT Volunteer Experience	