

UNOFFICIAL DEGREE PLANNING SHEET: BIOLOGY MAJOR, BIOMEDICAL SCIENCE CONCENTRATION

T-Transfer Credit
M-Maryville Credit

Student Name _____ I.D.# _____ Registrar Signature _____

GENERAL EDUCATION

T/M BIOLOGY & SCIENCE & MATH: 79-82 Credits

T/M

I. Skills/Processes for Literacy (4 courses)		BIOLOGY CORE		
A. INTD 101 University Seminar		BIOL 117 General Biology I (4) F/S		BIOL 118 General Biology II (4) S
B. ENGL 101 Composition: Theme Writing		BIOL 260 General Genetics (4) F		BIOL 270 Evolution (4) S
C. ENGL 104 Composition: The Essay		SCI 498 Advanced Topic Seminar (2) S <i>or</i> ENV 499 Environmental Internship (3) F/S <i>or</i> BIOL 401 Research I (3) F/S		
II. HUMANITIES (5 courses)		ECOLOGY BASKET		PHYSIOLOGY & HEALTH SCIENCES BASKET
A. Fine Arts (1 course): Art, Music, Performance, Aesthetics		BIOL 314 Botany (4) S*		BIOL 101 Human Anatomy & Physiology I (4) F/S
B. Literature/Language (1 course): ENGL or Foreign Language		BIOL 216 Plants & People (4) S*		BIOL 102 Human Anatomy & Physiology II (4) F/S
C. Philosophy (1 course)		BIOL 303 Comparative Vertebrate Anatomy (4) S#		BIOL 250 Intro to Gross Anatomy (4) S^
D. Humanities Electives (2 courses)		BIOL 381 Ornithology (4) S#		BIOL 394 Advanced Physiology (4) F
1. HUM 101/301 or HIST 131/331		BIOL 352 General Ecology (4) F\$		BIOL 395 Pathophysiology (3) S
2. One additional elective from ENGL, The Arts/Aesthetics, Foreign Language, HUM,PHIL,REL		BIOL 231 Conservation Biology (4) F\$		BIOL 354 Immunology (3) S^
III. SOCIAL SCIENCE (3 courses)		BIOL 302 Invertebrates (4) F		BIOL 220 Exercise Science (3)
A. American History or Government		MOLECULAR BIOLOGY BASKET		ENVIRONMENTAL SCIENCE BASKET
B. Social Science Electives (2 courses from ECON, GEOG, HIST, PSYC, SOC)		BIOL 316 General Microbiology (4) F		ENV 112: Environmental Science (3) F/S
IV. Natural Science/Quantitative Reasoning (2 courses): Requirements met through major.		BIOL 390 Biotechnology (3) F		ENV 375: Strategies in Sustainability (3) S
V. General Education Electives (2 courses): 2 courses from within the College of Arts and Sciences		BIOL 351 Cell Biology (4) S		ENV 427: Hazardous Waste/ Environmental Health (3) S
NON-BIOLOGY SCIENCE AND MATH REQUIREMENTS		BIOL 391 Molecular Genetics (4) S		ENV/LEGL 460: Environmental law and policy (3) F
MATH 151 Calculus I (4) F (<i>recommended</i>) or MATH 125 College Algebra & Trigonometry (3) F/S		<ul style="list-style-type: none"> In addition to the core, students must take four courses from the PHYSIOLOGY & HEALTH SCIENCES basket, and two courses from the MOLECULAR BIOLOGY basket. At least two of these must be 300 or higher. The timing of course offerings is indicated after the course title as spring (S), fall (F) or both (F/S). *, #, \$ denotes pairs of courses that are offered every other year ^ denotes courses that are offered every other year in sync 		
MATH 141 Elementary Stats (3) F/S				
PHYS 153 Calculus-Based Physics I (4) F (<i>recommended</i>) or PHYS 103 General Physics I (4) F				
PHYS 154 Calculus-Based Physics II (4) S (<i>recommended</i>) or PHYS 104 Gen. Physics II (4) S				
CHEM 103 General Chemistry I (4) F				
		ADDITIONAL REQUIREMENTS		
CHEM 104 General Chemistry II (4) S		CHEM 320 Biochemistry (4) F		
CHEM 203 Organic Chemistry I (4) F		One other CHEM course (300 or higher)		
CHEM 204 Organic Chemistry II (4) S				

128 Cr. Hrs.____ Major Requirements____ Minor Requirements____ Last 30 hr. residency

UNOFFICIAL GRADUATION CHECK: When you have reached Senior Status, check with the Registrar's Office to make sure that this sheet agrees with permanent file.