

## Recommended Coursework Strategy for B.S. in Zoology - 4 year plan

Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
<b>Chem 115</b> Gen Chem I (5)	<b>Biol 230</b> Gen Biology I (5)	<b>Biol 240</b> Gen Biology II (5)	<b>Chem 130</b> Gen Org Chem (3)	<b>Biol 355</b> Genetics (3)	<b>Biol 337</b> Evolution (3)	<b>Upper Division Requirement Cell/Phys**</b>	<b>Upper Division Requirement Ecology***</b>
<b>Math 226*</b> Calculus I (4)	<b>Phys 111/112*</b> Phys I+lab (3/1)	<b>Chem215/216*</b> Gen ChemII+lab (3/2)	<b>Math 227*</b> Calculus II* (4) OR <b>Phys 121/122*</b> Phys II+lab (3/1)	<b>Biol 458</b> Biometry (4)	<b>Biol 612</b> Human Physiology (3) OR <b>Biol 630</b> Animal Physiology (3)	<b>Upper Division Requirement Taxonomy/Organismal‡</b>	<b>Elective II<sup>‡‡</sup></b>
						<b>Elective I<sup>‡‡</sup></b>	<b>Elective III<sup>‡‡</sup></b>

**\*Lower Division Requirement includes 16 – 17 units selected from**

MATH 226	Calculus I (4)
MATH 227	Calculus II (4)
PHYS 111/112	General Physics I/Laboratory (3/1)
PHYS 121/122	General Physics II/Laboratory (3/1)
CHEM 215/216	General Chemistry II (3/2) Prereq: C or better in CHEM 115 and C- or better in 2 of the following courses: PHYS 111, PHYS 121; PHYS 220, PHYS 230, or PHYS 240; MATH 226, MATH 227

**\*\*Upper Division Cell/Physiology Requirement includes 3 – 4 units selected from**

BIOL 350	Cell Biology
BIOL 357	Molecular Genetics
BIOL 380	Comparative Embryology
BIOL 382	Developmental Biology
BIOL 453	General Parasitology
BIOL 600	General Animal Behavior (4)
BIOL 620	Endocrinology
BIOL 621	Reproductive Physiology

**\*\*\*Upper Division Ecology Requirement includes 3 – 4 units selected from**

BIOL 482	Ecology (4)
BIOL 529	Plant Ecology (4)

BIOL 530	Conservation Biology
BIOL 532	Restoration Ecology
BIOL 534	Wetland Ecology (4)
BIOL 577	Ecological and Environmental Modeling (4)
BIOL 580	Limnology
BIOL 582	Biological Oceanography
BIOL 585	Marine Ecology
BIOL 586	Marine Ecology Laboratory (2)

**‡Upper Division Taxonomy/Organismal Requirement includes 3 – 4 units selected from**

BIOL 450	Biology of the Protozoa
BIOL 459	Arthropod Biology (4)
BIOL 460	General Entomology (4)
BIOL 461	Insect Taxonomy (4)
BIOL 464	Medical Entomology
BIOL 475	Herpetology
BIOL 478	Ornithology (4)
BIOL 480	Mammalogy (4)
BIOL 555	Marine Invertebrate Zoology (4)
BIOL 570	Biology of Fishes (4)

**##Upper Division Requirement of 7 – 11 Elective units: obtain approval from major advisor BEFORE taking elective classes.**

Elective courses include courses from the alternates not used in fulfilling the requirements listed above or any other upper division biology courses not specifically excluded for major credit, or any graduate biology course.

This is a RECOMMENDATION only. It is designed so that two majors science classes are taken each semester (except in Year 4). It is certainly possible to take three science courses, if you can manage your time appropriately. Check the prerequisites of courses to see if you can take a course earlier in this scheme. Also, note that there is flexibility in the lower division requirements so that it is possible to schedule physics or calculus during the 3<sup>rd</sup> or 4<sup>th</sup> year—consult major advisor to customize this course plan.