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

Year 1		Year 2		Year 3		Year 4	
Fall	**Spring**	**Fall**	**Spring**	**Fall**	**Spring**	**Fall**	**Spring**
Chem 115 Gen Chem I (5)	**Biol 230** Gen Biology I (5)	**Biol 240** Gen Biology II (5)	**Chem 130** Gen Org Chem (3)	**Biol 355** Genetics (3)	**Biol 337** Evolution (3)	**Ecology upper division****	**Ecology upper division****
Math 226* Calculus I (4)	**Phys 111/112*** Phys I+lab (3/1)	**Chem215/ 216*** Gen ChemII+lab (3/2)	**Math 227*** Calculus II* (4) OR **Phys 121/122*** Phys II+lab (3/1)	**Biol 458** Biometry (4)	**Biol 525** Plant Physiology (3) OR **Biol 630** Animal Physiology (3)	**Elective I*****	**Elective III*****
						Elective II***	**Elective IV*****

***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

****Ecology Upper Division Requirement includes 6 – 8 units selected from**

BIOL 482	Ecology (4)	BIOL 577	Ecological and Environmental Modeling (4)
BIOL 529	Plant Ecology (4)	BIOL 580	Limnology
BIOL 530	Conservation Biology	BIOL 582	Biological Oceanography
BIOL 532	Restoration Ecology	BIOL 585	Marine Ecology
BIOL 534	Wetland Ecology (4)	BIOL 586	Marine Ecology Laboratory (2)

*****Upper Division Requirement of 11 – 14 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 course in biology.

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 3rd or 4th year—consult major advisor to customize this course plan.

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