

BIOLOGY MAJOR (BIOL.BS)

<u>Required Courses</u>		<u>Hrs.</u>	<u>Prereq.</u>	<u>Rec.Yr.</u>
BIOL 161	Principles of Biology I	4		Fr
BIOL 162	Principles of Biology II	4	BIOL 161	
BIOL 250	Genetics	4	BIOL 161;162 for Biochem majors	Soph
BIOL 254	Experimental Biology	4	BIOL 161, 250 for Bio Majors	Soph/Jr
			BIOL 161, ENVS 130 for Env Sci Majors; MATH 115	
BIOL 310	Ecology	4	BIOL 254, CHEM 161, 163L	Jr/Sr
	<u>OR</u>			
BIOL 320	Animal Behavior	4	BIOL 254 or P/I	Jr/Sr
BIOL 312	Plant Systematics	4	BIOL 254 or 120 w P/I	Soph/Jr
	<u>OR</u>			
BIOL 316	Vertebrate Zoology	4	BIOL 254	Soph/Jr
BIOL 344	Evolution	3	BIOL 250	Jr
BIOL 352	Physiology	4	BIOL 254	Jr
	<u>OR</u>			
BIOL 360	Principles of Microbiology	4	BIOL 254; CHEM 221, 223L	Jr
<u>One course selected from</u>				
BIOL 325	Molecular Embryology	4	BIOL 254 or P/I	Jr/Sr
BIOL 354	Molecular Cell Biology	4	BIOL 254, CHEM 222, 224L	Jr/Sr
BIOL 374	Immunology	4	BIOL or CHEM major	Jr
BIOL 379	Experiential Learning in Biology	1	BIOL 254	Jr
	<u>OR</u>			
BIOL 398/498	Biology Research	1-2	BIOL 254; CHEM 221, 223L	Jr/Sr
^BIOL 497	Seminar	2	Sr Stand or P/Faculty	Sr
CHEM 161	Accel Gen Chem for Sci Majors	3	HS Chemistry and placement or CHEM 105, 107L; Coreq CHE 163L	Fr/Soph
CHEM 163L	Accel Gen Chem for Sci Majors Lab	1	HS Chemistry and placement or CHEM 105, 107L; Coreq CHEM 161	Fr/Soph
	<u>OR</u>			
CHEM 131	General Chemistry Sci Maj I	3	Coreq CHEM 133L	Fr/Soph
CHEM 133L	General Chemistry Sci Maj I Lab	1	Coreq CHEM 131	
CHEM 132	General Chemistry Sci Maj II	3	CHEM 131, 133L;Coreq CHEM 134L	
CHEM 134L	General Chemistry Sci Maj II Lab	1	Coreq CHEM 132	
CHEM 221	Organic Chemistry I	3	C- or better in CHEM 161,163L or 131, 133L,132, 134L;Coreq CHEM 223L	Soph
CHEM 223L	Organic Chemistry Lab	1	C- or better in CHEM 161,163L or 131, 133L132, 134L; Coreq CHEM 221	
MATH 115	Elementary Statistics	3	Coreq CHEM 221	Fr
		49-54 total hours		
<u>Recommended Courses</u>				
CHEM 222	Organic Chemistry II	3	C- or better in CHEM 221,223L;Coreq CHEM 224L	Soph/Jr
CHEM 224L	Organic Chemistry II Lab	1	C- or better in CHEM 221,223L; Coreq CHEM 222	Soph/Jr
CHEM 231	Analytical Chemistry	3	C- or better in CHEM 131, 133L, 132, 134L or 161, 163L; Coreq CHEM 233L	Soph/Jr
CHEM 233L	Analytical Chem Lab	1	C- or better in CHEM 131, 133L, 132, 134L or 161, 163L; Coreq CHEM 233	Soph/Jr
PHYS 151	General Physics I	4	Official math placement or P/I	Jr/Sr
PHYS 152	General Physics II	4	PHYS 151	Jr/Sr
PSYC 101	General Psychology	3		Fr/Soph
PSYC 340	Biological Psychology	3	PSYC-101	Jr/Sr

REMINDERS

1. Biology majors are expected to take BIOL 161, 250, 252 and 254 in sequence as prerequisites for other courses.
2. Majors must take the required Chemistry courses in their freshman or sophomore year.
3. Be aware that most upper division courses are offered every other year.
4. Graduate school candidates should check entrance requirements for several graduate schools.
5. Completion of BIOL-379, 398 or 498 with a grade of C or better is required for graduation.

^Satisfies advanced writing requirement.