

**DEPARTMENT OF NATURAL SCIENCES****MAJOR: BIOLOGY (46 HOURS)**

NO MINOR REQUIRED

ADDITIONAL HOURS REQUIRED (16 HOURS)

TOTAL HOURS TO COMPLETE: 46 HOURS

<b>BIOLOGY MAJOR REQUIREMENTS (46 HOURS)</b>				
	<b>COURSE NAME</b>	<b>HRS</b>	<b>TERM</b>	<b>PREREQUISITES</b>
CHOOSE ONE	SELECT 4 CREDIT HOURS OF ANIMAL SCIENCE FROM THE FOLLOWING:			
BIOL 201	INVERTEBRATE ZOOLOGY	4	FALL (ODD YEARS)	BIOL 111
BIOL 202	VERTEBRATE ZOOLOGY	4	SPRING (EVEN YEARS)	BIOL 111
BIOL 315	GENERAL AND COMPARTATIVE ANIMAL PHYSIOLOGY	4	AS NEEDED	BIOL 111 and CHEM 201
CHOOSE ONE	SELECT 4 CREDIT HOURS OF PLANT SCIENCE FROM THE FOLLOWING:			
BIOL 207	GENERAL BOTANY	4	FALL, SPRING	BIOL 111
BIOL 320	PLANT SYSTEMATICS	4	AS NEEDED	BIOL 207 strongly recommended
CHOOSE ONE	SELECT 4 CREDIT HOURS OF MOLECULAR SCIENCE FROM THE FOLLOWING:			
BIOL 206	GENERAL MICROBIOLOGY	4	SPRING	BIOL 111 or Permission from Instructor
BIOL 301	GENETICS	4	SPRING	BIO 111 and CHEM 201
BIOL 352	CELL BIOLOGY	4	FALL	BIOL 111 and CHEM 112 with a minimum grade of "C."
BIOL 411	IMMUNOLOGY	4	SPRING (ODD YEARS)	CHEM 202
BIOL 422	BIOCHEMISTRY (cross-listed with CHEM 422)	4	FALL	CHEM 202 with minimum grade of "C."
BIOL 402	ECOLOGY	4	AS NEEDED	BIOL 111 and either BIOL 201, BIOL 202, BIOL 207, or BIOL 320
BIOL 391	BIOLOGY SEMINAR I (WI3 & PRE)	1	FALL, SPRING	8 Credit Hours in Biology at or above the 200-level
BIOL 491	BIOLOGY SEMINAR II (WI3)	1	FALL, SPRING	BIOL 391, and 12 Credit Hours in Biology at or above the 200-level
CHOOSE THREE	SELECT 12 CREDIT HOURS OF BIOLOGY (at or above the 200-level)*	12	SEE CATALOG FOR ADDITIONAL INFORMATION	SEE CATALOG FOR PREREQUISTES
<b>TOTAL MAJOR HOURS</b>		<b>30</b>		

ADDITIONAL HOURS REQUIRED (16 HOURS)**				
	COURSE NAME	HRS	TERM	PREREQUISITES
CHEM 112	GENERAL CHEMISTRY II***	4	SPRING	CHEM 111 with a minimum grade of "C."
CHEM 201	ORGANIC CHEMISTRY I***	4	FALL	CHEM 112 with a minimum grade of "C."
CHEM 202	ORGANIC CHEMISTRY II****	4	SPRING	CHEM 201 with a minimum grade of "C."
MATH 151	CALCULUS I****	4	FALL, SPRING	
<b>TOTAL ADDITIONAL HOURS</b>		<b>16</b>		

*NOTE: BIOL 111 and CHEM 111 are prerequisites for courses required in the major and will fulfill General Education requirements; Pre-Professional candidates should take PHYS 203 and PHYS 204 in preparation for profession admissions tests.*

*\*NOTE: HONR 400 and /or HONR 401 may be used to fulfill three hours of the concentration requirement when the research and thesis topics are appropriate.*

*\*\*NOTE: Biology Majors electing to complete a Chemistry minor will earn credit for CHEM 112, CHEM 201, CHEM 202, and MATH 151 as part of that minor; Biology majors electing to complete a Forensics minor will earn credit for CHEM 112 as part of that minor; Biology majors electing to complete and Environmental Science minor will earn credit for CHEM 112 as part of that minor.*

*\*\*\*NOTE: Must be completed with a "C" or better*

*\*\*\*\*NOTE: Will be considered satisfactory if completed with a passing grade (D- or better).*