

Summer 2013 Biology Major Courses

1. Mathematics

Subject Descr	Number	Course Title	Credits
MATH	221	Calculus&Analytic Geometry	5
MATH	222	Calculus&Analytic Geometry	4
STATISTICS	301	Intro-Statistical Methods	3
STATISTICS	371	Intro Applied Stats-Life Sci	3

2. Chemistry

Subject Descr	Number	Course Title	Credits
CHEMISTRY	103	General Chemistry	4
CHEMISTRY	104	General Chemistry	5
CHEMISTRY	343	Intro Organic Chemistry	3
CHEMISTRY	344	Intro Organic Chemistry Lab	2
CHEMISTRY	345	Intmed Organic Chemistry	3

3. Physics

Subject Descr	Number	Course Title	Credits
PHYSICS	103	General Physics	4
PHYSICS	104	General Physics	4
PHYSICS	202	General Physics	5

4. Introductory Biology

Subject Descr	Number	Course Title	Credits
BIOLOGY/ZOOLOGY	101	Animal Biology	3
BIOLOGY/ZOOLOGY	102	Animal Biology Laboratory	2

Foundations Courses (Not required if completing Biocore)

Subject Descr	Number	Course Title	Credits
BOTANY/GENETICS/ZOOLOGY	466	General Genetics	3

5. Intermediate/Advanced Biology

5A. CELLULAR AND SUBCELLULAR BIOLOGY *

Subject Descr	Number	Course Title	Credits	Lab/Week +
BIOMOLECULAR CHEMISTRY	314	Intro to Human Biochemistry	3	
BIOMOLECULAR CHEMISTRY	504	Human Biochemistry Lab	2	6
BOTANY/GENETICS/ZOOLOGY	466	General Genetics	3	

5B. ORGANISMAL BIOLOGY *

Subject Descr	Number	Course Title	Credits	Lab/Week +
KINESIOLOGY	314	Physiology of Exercise	4	2
MICROBIOLOGY	303	Biology of Microorganisms	3	
MICROBIOLOGY	304	Biology of Microorganisms Lab	2	4
PHYSIOLOGY	335	Physiology	5	

5C. ECOLOGY

Subject Descr	Number	Course Title	Credits	Lab/Week +
FOREST AND WILDLIFE ECOLOGY	550	Forest Ecology	3	no lab in sum.

5D. EVOLUTION AND SYSTEMATIC BIOLOGY

Subject Descr	Number	Course Title	Credits	Lab/Week +
BOTANY	401	Vascular Flora of Wisconsin	4	4
ENVIR ST /F&W ECOL/ZOOLOGY	360	Extinction of Species	3	

5E. APPLIED BIOLOGY, AGRICULTURAL, AND NATURAL RESOURCES

Subject Descr	Number	Course Title	Credits	Lab/Week +
ANIMAL SCIENCES	503	Avian Physiology	3	4
ANIMAL SCIENCES	512	Management for Avian Health	3	4

* Neuro Students Need to Neuro Category A and B courses: <http://www.biology.wisc.edu/976.htm>

+ Lab Hours/Week are converted to a 15 week semester to fulfill Major Requirements over summer term