

Summer 2014 Biology Major Courses - Neurobiology

1. Mathematics

			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

Chemistry	103	General Chemistry I	4
Chemistry	104	General Chemistry II	5
Chemistry	343	Intro Organic Chemistry	3
Chemistry	344	Intro Organic Chemistry Lab	2
Chemistry	345	Intmed Organic Chemistry	3

3. Physics

Physics	103	General Physics	4
Physics	104	General Physics	4
Physics	202	General Physics	5

4. Introductory Biology

Biology/Zoology	101	Animal Biology	3
Biology/Zoology	102	Animal Biology Laboratory	2

Foundational Course (Not required if completing Biocore)

Botany/Genetics/Zoology	466	General Genetics	3
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5. Intermediate/Advanced Biology

A. Cellular and Molecular Neurobiology

Lab/Week*

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B. Systems Neurobiology

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C. Ecology

Botany/F&W Ecol/Zoology	460	General Ecology	4	3
F&WL Ecology	550	Forest Ecology	3	

D. Evolution and Systematic Biology

Envir St/F&W Ecol/Zoology	360	Extinction of Species	3	
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E. Applied Biology, Agricultural and Natural Resources

Animal Sci	503	Avian Physiology	3	4
Animal Sci	512	Management for Avian Health	3	4
Botany	403	Field Collections & Identification	1 to 4	varies

F. Other Lab Courses

Biomolecular Chemistry	504	Human Biochemistry Lab	2	6
Kinesiology	314	Physiology of Exercise	4	2
Microbiology	304	Biology of Microorganisms Lab	2	4
Physiology	335	Physiology	5	2

CALS Capstone Course

Biomolecular Chemistry	504	Human Biochemistry Lab	2	6
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*Lab hrs/week are converted to a 15 week semester to fulfill requirements over summer term