

# Summer 2017 Neurobiology Option Courses

## 1. Mathematics

			Credits	Session*
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
Biology/Zoology	151	Introductory Biology	5

### Foundational Course (Not required if completing Biocore)

Biochem	501	Introduction to Biochemistry	3
Genetics	466	Principles of Genetics	3

## 5. Intermediate/Advanced Biology

### A. Cellular and Molecular Neurobiology

				Approved Lab

### B. Systems Neurobiology

CS&D	210	<a href="#">Neural Basis of Communication</a>	3		on-line
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### C. Ecology

Botany/F&W Ecol/Zoology	460	<a href="#">General Ecology</a>	4	Y	5/30-7/23
Botany/Zoology	450	<a href="#">Midwestern Ecological Issues</a>	2		6/5-7/2 on-line
Botany/Zoology	459	<a href="#">Ecological Techniques for Field Monitoring</a>	1	N	8/21-8/27

### D. Evolution and Systematics

Botany	401	<a href="#">Vascular Flora of Wisconsin</a>	4	Y	5/30-7/23
Envir St/F&W Ecol/Zoology	360	<a href="#">Extinction of Species</a>	3		5/30-6/25

### E. Applied Biology, Agricultural and Natural Resources

Amer Ind/Anthro/Botany	474	<a href="#">Ethnobotany</a>	3		7/17-8/27
An Sci	503	<a href="#">Avian Physiology</a>	3	Y	5/15-6/4
An Sci	512	<a href="#">Management for Avian Health</a>	3	Y	5/15-6/4
Botany	403	Field Collections & Identification	1 to 4	N	

## F. Other Lab Courses

Biomolecular Chemistry	504	<a href="#">Human Biochemistry Laboratory</a>	2	Y
Botany	402	<a href="#">Dendrology</a>	2	Y
Kines	314	<a href="#">Physiology of Exercise</a>	4	Y
Microbiology	304	<a href="#">Biology of Microorganisms Lab</a>	2	Y
		<a href="#">Advanced Biological Laboratory Practices: A Research Experience</a>		
Microbiology	525	<a href="#">Experience</a>	2	Y
Physiology	335	<a href="#">Physiology</a>	5	Y

## CALS Capstone Course

Biomolecular Chemistry	504	<a href="#">Human Biochemistry Laboratory</a>	2	Y	
Botany/F&W Ecol/Zoology	460	<a href="#">General Ecology</a>	4	Y	5/30-7/23

\*General eight week session (6/19-8/13) unless otherwise indicated

Draft -4/14/17