

Summer 2017 Evolutionary Biology Option Courses

1. Mathematics

			Credits
Math	221	Calculus&Analytic Geometry	5
Statistics	301	Intro-Statistical Methods	3
Statistics	371	Intro Applied Stats-Life Sci	3

Session*

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)

Genetics	466	Principles of Genetics	3
----------	-----	------------------------	---

5. Intermediate/Advanced Biology

A. Cellular and Subcellular Biology

			Credits	Approved Lab
Biochem	501	Introduction to Biochemistry	3	
Biomolecular Chemistry	314	Introduction to Human Biochemi	3	
Biomolecular Chemistry	504	Human Biochemistry Laboratory	2	Y
Genetics	466	Principles of Genetics	3	

B. Organismal Biology

Botany	402	Dendrology	2	Y
Kinesiology	314	Physiology of Exercise	4	Y
Microbiology	303	Biology of Microorganisms	3	
Microbiology	304	Biology of Microorganisms Lab	2	Y
		Advanced Biological Laboratory Practices: A Research Experience		
Microbiology	525		2	Y
Physiology	335	Physiology	5	Y

C. Ecology

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

D. Evolution and Systematics

Envir St/F&W Ecol/Zoology	360	Extinction of Species	3		5/30-6/25
Botany	401	Vascular Flora of Wisconsin	4	Y	5/30-7/23

E. Applied Biology, Agricultural and Natural Resources

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

CALS Capstone Course

Biomolecular Chemistry	504	Human Biochemistry Laboratory	2	Y	
Botany/F&W Ecol/Zoology	460	General Ecology	4	Y	5/30-7/23

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

Draft -4/14/17