

Pre-2010 Biology BS Degree Checklist

Please print your name: _____

Email address: _____

Please attach the following:

1. An unofficial transcript following registration for your last semester.
2. Copies of transcripts from other schools for science transfer credits.

I. Introductory and Core Courses = 14 credits

Introductory Courses	Semester & Year Completed	Grade
Bio 121 and 123 (4) or 123 (3)/124(1)	_____ & _____ / _____ & _____	_____/____
Core Courses		
Either Bio 326	_____ & _____	
And Bio 327	_____ & _____	
OR Bio 345		
And Bio 305 (or 355 or 300 + E & E)		

II. Upper Division Requirement (minimum 22 credit hours; *credits count only once)

Laboratory Requirements	Semester & Year Completed	Grade	# Credits*
3 credit Lab: Bio _____	_____ & _____		
3 credit Lab: Bio _____	_____ & _____		
Additional Lab (1-4 credits) Bio _____	_____ & _____		
Elective Courses			
a) Communication skills Bio _____	_____ & _____		
b) Other elective courses Bio _____	_____ & _____		
Bio _____	_____ & _____		
Bio _____	_____ & _____		
Bio _____	_____ & _____		
Bio _____	_____ & _____		

Sum of Credits _____

III. Chemistry and Math Requirements = 19-21 Credits

Courses	Semester & Year Completed	Grade
Chem 106/107	_____ & _____ / _____ & _____	_____/____
Chem 116/117	_____ & _____ / _____ & _____	_____/____
Chem 275/276	_____ & _____ / _____ & _____	_____/____
Either Math 285/286	_____ & _____ / _____ & _____	_____/____
Or Math 295/296	_____ & _____ / _____ & _____	_____/____
Or Math 295/300 level Statistics	_____ & _____ / _____ & _____	_____/____

Upper Division Biology Courses –

Cell and Molecular Biology

300 Dance, Exercise and Brain Function
300 Plants and People
316/317 L (3) - Anatomy and Phys. I&II
355 - General Physiology
400 – Intro. to Toxicology
400 – Developmental Neuroscience
400 – Neuroscience and Society
400 - Epigenetic Regulation of Gene Expression
400 - Neurochemistry of Memory
400 - Neurodegenerative Diseases
400 – Biology of Aging
400 – History of Neuroscience
407- Advanced Neuroscience
409 L (1) - General Microbiology*
400 L -(3) Microscopy Methods for Life Scientists
422 L- (3) Bioinformatics for Life Scientists
425 L- (3) Cell and Developmental Biol. lab
432 L- (3) Environmental Microbiology lab
435 L- (3) Genetics lab
447- Immunobiology
455 L- (3) Physiology lab
462- Molecular Genetics
463 L- (3) Molecular Biotechnology
464 L- (3) Applied Biotechnology
465 L- (3) Molecular Biology lab

475 L- (4) Biochemistry lab
501- Biology of Cancer
503- Developmental Biology
565- Cell Physiology
575- Biochem I
576- Biochem II

Ecology and Evolutionary Biology

400 - Animal Communication
400 – Topics in Evolution
400 – Biomimicry
400 – Sexual Selection
400 – Ecosystem Ecology
400 - Evolutionary Genetics of Complex Traits
400 – Human Disease Genomics
400 – Evolutionary Mechanisms
405 L – (3) Introduction to Field Biology (lab)
415- Conservation Biology
417 L- (3) Animal Behavior & Evolutionary Biol.lab
424 L- (3) Comparative Vertebrate Biology
431- Population Genetics
448- Evolutionary Medicine
451- Ecology
453 L- (2) Ecology lab
454- Evolution

* Because Bio 409 is a 1 credit lab experience, it cannot be used to satisfy the lab requirement for the BA degree in Biology.

Additional courses that may fulfill one of the above distribution areas by petition

The following courses have variable content and/or may have different focus depending on the instructor. Students intending to use one of these courses to fulfill the Distribution Requirement for Upper Division Biology Courses should inquire in the Biology Department Office as to how a given course could count before taking the course and petitioning.

Bio 460 – Independent Research

Bio 490 – Independent Study

Credit limits for certain courses

In any combination of Bio 360 (Biology Laboratory Assistant), BIO 419 (Thesis Seminar), BIO 460 (Research in Biology), BIO 470 or 490 (Independent Study), and BIO 495 or 499 (Biology Thesis), a maximum of four credit hours can be applied toward the BA degree credit hour requirement for any purpose.

