

**COURSES OUTSIDE THE BIOLOGY DEPARTMENT ACCEPTABLE FOR
UPPER DIVISION BIOLOGY CREDIT for the BIOLOGY MAJOR
*Effective for students who enter UK in Fall 2011***

Biology

ALL 200-level or above except BIO 208

Anthropology

ANT 332 (3) Human Evolution

Chemistry

CHE 226 (3-5) Analytical Chemistry*
 CHE 233 (2) Organic Chemistry Laboratory II*
 CHE 440 G (4) Physical Chemistry
 CHE 441G (2) Physical Chemistry Lab*
 CHE 442G (3) Physical Chemistry
 CHE 446G (3) Physical Chemistry for Engineers
 CHE 532 (2) Spectrometric ID of Organic Compounds
CHE 533 (2) Qualitative Organic Analysis Lab*
 CHE 550 (3) Biological Chemistry I
 CHE 552 (3) Biological Chemistry II
 CHE 558 (3) Hormone Receptors and Cell Signals
 CHE 565 (3) Environmental Chemistry

Geology

GLY 401G (3) Invertebrate Paleontology and evolution

Arts & Sciences

A&S 300 Acceptable as upper-level credit ONLY when offered by the Dept of Biology.
 A&S 500 Acceptable as upper-level credit ONLY when offered by the Dept of Biology.

Psychology

PSY 456 (4) *Behavioral Neuroscience**
 PSY 459 (3) Drugs and Behavior

Statistics (Biology usually accepts only **one** of the following for each student)

STA 503 (4) Introduction to Statistical Methods
 STA 570 (4) Basic Statistical Analysis
 STA580 (3) Biostatistics I

Other STA courses may be accepted at the discretion of your advisor, and this may depend upon the area of biology in which you choose to specialize

College of Agriculture

ABT 460 (2) Introduction to Molecular Genetics
 ASC 364 (3) Reproductive Physiology of Animals
 ASC 378 (3) Animal Nutrition
 ENT 310 (3) Insect Pests of Field Crops*
 ENT 320 (3) Horticultural Entomology*
 ENT 360 (3) *Genetics is NOT acceptable as an upper level elective for Biology majors*

Substitutes for BIO 304 only if student transferred into Biology major after taking this course. Cross listed as ABT/ASC/ENT/PLS 360

ENT 402 (3) Forest Entomology* (cross listed as FOR 402)

ENT 460	(3)	Intro to Molecular Genetics (cross listed as ABT/ASC/FOR 360)	
ENT 561	(4)	Medical Entomology*	
ENT 564	(4)	Insect Taxonomy*	
ENT 568	(3)	Insect Behavior	
FOR 315	(3)	Conservation Biology	
FOR 340	(3)	Forest Ecology*	
FOR 375	(3)	Taxonomy of Forest Vegetation	
FOR 402	(3)	Forest Entomology*FSC 530	(5) Food Microbiology*
NRC 320	(3)	Data Collection Techniques*	
NRC 420G	(4)	Taxonomy of Vascular Plants*	
NRC 450G	(3)	Biogeochemistry	
NRC 455G	(3)	Wetland Delineation	
PLS 320	(4)	Woody Horticultural Plants*	
PLS 330	(2)	Herbaceous Horticultural Plants I*	
PLS 332	(2)	Herbaceous Horticultural Plants II*	
PLS 366	(3)	Fundamentals of Soil Science	
PLS 367	(2)	Soil and Water Analysis Lab*	
PLS 450G	(3)	Biogeochemistry	
PLS 502	(3)	Ecology of Economic Plants	
PLS 566	(3)	Soil Microbiology	
PLS 567	(1)	Methods in Soil Microbiology (Lab)*	
PPA 400G	(3)	Principles of Plant Pathology*	
College of Medicine			
ANA 511	(5)	Intro. To Human Anatomy*	
ANA 512	(4)	Microscopy and Ultrastructure*	
ANA 516	(3)	Anatomy of the Nervous System	
Some other anatomy courses at the 500-level are accepted, but are usually restricted to professional students.			
BCH 401G	(3)	Fundamentals of Biochemistry	
MI 494G	(3)	Immunobiology (same as BIO 494G)	
MI 595	(2)	Immunobiology Laboratory*	
MI 598	(3)	Clinical Microbiology (same as PAT 598)	
PGY 412G	(4)	Principles of Human Physiology	
Acceptable as an elective for upper level biology credit but DOES NOT substitute for BIO 350 or BIO430G			
PGY 560	(1)	Pathophysiology	
TOX 509	(3)	Biochemical and Environmental Toxicology	

Other courses may be accepted at the discretion of the Director of Undergraduate Studies in the Department of Biology