

BIOLOGY COURSE OFFERINGS AND PREREQUISITES

Updated 4/28/2020

CORE COURSES	CR HRS	PREREQUISITES	FS	SP	SS
BIOL 108 General Biology I	3	HS Chem and Biol Recommended	Y	Y	Y
BIOL 108L Gen. Biology I Lab	1	Co-requisite BIOL 108	Y	Y	Y
BIOL 109 General Biology II	3	HS Chem and Biol Recommended	Y	Y	
BIOL 109L Gen. Biology II Lab	1	Co-requisite BIOL 109	Y	Y	
BIOL 202 Cell Biology	3	BIOL 108, BIOL 109, CHEM 212R ¹	Y	Y	Y
BIOL 206 Genetics	3	BIOL 108, BIOL 109, CHEM 212R ¹	Y	Y	
BIOL 441 Biochemistry	3	BIOL 202, (206 rec.), CHEM 320 or 321	Y	Y	
BIOLOGY LABORATORY COURSES	CR HRS	PREREQUISITES	FS	SP	SS
BIOL 218L Intro. Anatomy Lab	2	BIOL 218 pre or co-requisite	Y	Y	
BIOL 302L Ecology Lab	2	co-req BIOL 302 (STAT 235 suggested); advisor consent		Y	
BIOL 312WL Lab in Dev Bio Gentes and Cell Bio (WI)	3	BIOL 441 ² , co-requisite BIOL 409; advisor consent, RooWriter	Y		
BIOL 313L/WL Lab in Microbiology (WI)	3	co-requisite BIOL 313; advisor consent, RooWriter (WI)	Y		
BIOL 328L/WL Lab in Hist & Cell Ultrastructure (WI)	3	BIOL 202, co-requisite BIOL 328; advisor consent, RooWriter (WI)		Y	
BIOL 338L Comparative Vertebrate Anatomy Lab	3	BIOL 108, BIOL 109, BIOL 109L; advisor consent		Y	
BIOL 360L/WL Lab in Biochem & Mole Biol (WI)	3	BIOL 441 ² ; advisor consent, RooWriter (WI)		Y	
BIOLOGY SYNTHESIS COURSES		PREREQUISITES	FS	SP	SS
LS 497 Directed Studies	3	Core courses in Bio, Math, Chem, Physics, 60 hrs, 3.0 GPA; advisor consent	Y	Y	Y
LS 497WI Directed Studies-Writing Intensive	3	Core courses in Bio, Math, Chem, Physics, 60 hrs, 3.0 GPA; advisor consent, RooWriter	Y	Y	Y
LS 499 Undergraduate Research	3	Core courses in Bio, Math, Chem, Physics, 60 hrs, 3.0 GPA; advisor consent	Y	Y	Y
LS 499WI Undergraduate Research-Writing Intensive	3	Core courses in Bio, Math, Chem, Physics, 60 hrs, 3.0 GPA; advisor consent, RooWriter	Y	Y	Y
BIOL 498WI Critical Analysis of Biological Issues	3	Completion of Core Requirements, CHEM 320 or 322R; advisor consent, RooWriter	Y	Y	Y
BIOLOGY ELECTIVE COURSES	CR HRS	PREREQUISITES	FS	SP	SS
ANCH 306 From Bench to Bedside: Translational Resrch	3	Anchor I & II; BIOL 102 or 108 or 109; co-req: DISC 300	Y		
BIOL 115 First Year Seminar	1	For Freshman Biology majors	Y		
BIOL 199L Methods in Biological Research	2	BIOL 108 or BIOL 109	Y		
BIOL 218 Intro. Anatomy Lecture	3	BIOL 102 or BIOL 108 or BIOL 109	Y		
BIOL 250 Careers in Biological & Chemical Sciences I	1		Y	Y	
BIOL 251 Careers in Biological & Chemical Sciences II	1		Y		
BIOL 302 General Ecology	3	BIOL 102 or BIOL 108 or BIOL 109		Y	
BIOL 303 Invertebrate Zoology	3	BIOL 108, BIOL 109, CHEM 212R	E		
BIOL 304 Biostatistics	3	MATH 110 or STAT 235	Y		
BIOL 305 Marine and Freshwater Biology	3	BIOL 108, BIOL 109, CHEM 211		Y	
BIOL 308 Vertebrate Zoology	3	BIOL 108, BIOL 109, CHEM 212R	O		
Biology Elective Courses continued on the following page					

BIOLOGY ELECTIVE COURSES (continued)	CR HRS	PREREQUISITES	FS	SP	SS
BIOL 313 Introduction to Microbiology	3	BIOL 202, BIOL 206, Pre or co-req BIOL 441 ²	Y		
BIOL 314 Entomology	3	BIOL 109 or LS-ANATO 219			E
BIOL 316 Principles of Physiology	3	BIOL 202, 206, pre- or co-requisite BIOL 441 ²	Y		
BIOL 319 Global Hlth: New & Emerging Infectious Dis.	3	BIOL 102 or BIOL 108 or BIOL 109		Y	
BIOL 322 General Parasitology	3	BIOL 109 or LS-ANATO 219			O
BIOL 326 Biological Conservation	3	BIOL 108, BIOL 109, (BIOL 302 recom)			O
BIOL 327 Biogeography and Bio Diversity	2	BIOL 108, BIOL 109			E
BIOL 328 Histology	2	BIOL 109, CHEM 212R, BIOL 202		Y	
BIOL 329 Endocrinology	3	BIOL 202 (anatomy, physiology recom)	Y		
BIOL 346 Plant Biology	3	BIOL 202, pre- or co-requisite	Y		
BIOL 350 Assisting Undergraduate Learning in Biology	1-3	BIOL 108, BIOL 109, BIOL 202, BIOL 206	Y	Y	
BIOL 385 Special Topics	3	Topics and pre-requisites vary	Y	Y	
BIOL 397 Experience-Based Education	1-3	Advisor consent	Y	Y	Y
BIOL 405 Introduction to Evolution	3	BIOL 206	Y		
BIOL 409 Developmental Biology	3	BIOL 202, BIOL 206	Y		
BIOL 430 Molecular Biol & Genetic Eng	3	BIOL 202, BIOL 206, BIOL 441 ²		Y	
BIOL 431 Virology	3	Pre or co-req BIOL 313 ³ , BIOL 441 ²		Y	
BIOL 435 Immunology	3	BIOL 313 ³ , BIOL 441 ²		Y	
BIOL 442 Neurobiology	3	BIOL 316 or BIOL 441 ²		Y	
BIOL 445 Evolutionary Ecology	3	BIOL 302, BIOL 405		Y	
BIOL 452 Bioinformatics	3	BIOL 441 ²		Y	
BIOL 485 Special Topics	1-3	Topics and pre-requisites vary	Y	Y	
LS 201 Careers in Health I	1		Y	Y	
LS 202 Careers in Health II	1			Y	
LS 310 Fundamentals of Medicine I	1	BIOL 202, BIOL 206; For students in BMS program	Y		
LS 320 Fundamentals of Medicine II	2	LS 310; For students in BMS program		Y	
LS 330 Fundamentals of Medicine III	2	LS 320; For students in BMS program	Y	Y	
LS 340 Fundamentals of Medicine IV	2	LS 330; For students in BMS program		Y	
LS 399 Introduction to Research	1-3	Bio 108, 109, Chem 212R, 3.0 Science GPA	Y	Y	Y
LS-ANATO 219 Functional Anatomy Lecture	3	Restricted to students in the School of Pharmacy or School of Medicine	Y		
LS-ANATO 219L Functional Anatomy Lab	1	LS-ANATO 219 pre or co-requisite; Restricted to Undergraduates in the School of Medicine	Y		
LS-MCRB 121 Human Biology III (Microbiology)	3	CHEM 211, LS-ANATO 219; For students enrolled in professional program: Dentistry, Medicine, or Pharmacy		Y	
LS-MCRB 121L Human Biology III Lab (Microbiology)	1	Pre- or Co-requisite, LS-MCRB 121		Y	
BIOLOGY COURSES – NON-MAJORS	CR HRS	PREREQUISITES	FS	SP	SS
BIOL 102 Biology and Living	3	For non-majors; does not count toward a Biology degree	Y	Y	
BIOL 102L Biology and Living Lab	1	Pre- or Co-requisite, BIOL 102; For non-majors; does not count toward a Biology degree	Y	Y	
BIOL 112 Microbiology and Living	3	For non-majors; does not count toward a Biology degree	Y	Y	
BIOL 217L Human Physiology Lab	1	For non-majors; does not count toward a Biology degree	Y		

* Courses marked with a “Y” are offered each year in the semester in which the letter appears. Courses offered during even years are marked with “E” and courses offered during odd years are marked with an “O.”