

Concentrations (select one)

Anatomy and Physiology Concentration

BIO 432 Vertebrate/Human Anat & Phys I	5
BIO 433 Vertebrate/Human Anat & Phys II	5
BIO 452 Cell Biology	4
CHEM 371 <i>or</i> CHEM 313	5
¹ Advisor approved electives	20
	<u>39</u>

Ecology Concentration

<i>Ecology (Choose 4 courses)</i>	15-17
BIO 318, 328, 415, 434, 444; BOT 326; MCRO 436; ZOO 423, 437	
<i>Methodology (Choose 3 courses)</i>	10-12
BIO/CHEM 375, BIO 419, FNR/GEOG/LA 318, FNR 416, STAT 313, 419	
Advisor approved electives	10-14
	<u>39</u>

Field and Wildlife Biology Concentration

BOT 313 Taxonomy of Vascular Plants	4
BOT 433 Field Botany	4
ZOO 321 Mammalogy	4
ZOO 323 Ornithology	4
Emphasis Area (choose one).....	23
<i>Field Biology Emphasis</i>	
ZOO 335 General Entomology (4)	
ZOO 341 Herpetology (4)	
ZOO 437 Animal Behavior (4)	
BIO 318/ ZOO 322/ ZOO 423 (4)	
Advisor approved electives (7)	
<i>Wildlife Biology Emphasis</i>	
BIO 327 Wildlife Biology Methods (5)	
BIO 427 Wildlife Management (4)	
BIO 444 Population Ecology (3)	
FNR 416 Environ Impact Ana/Mgt (4)	
FNR 203 Resource Law Enforcement (3)	
STAT 313 Appl Expr Dsgn & Regrsn Mod (4)	
	<u>39</u>

General Biology Concentration

BIO 452 Cell Biology	4
CHEM 313 Survey of Bchem & Biotech	5
<i>Anatomy/Physiology</i>	4
BIO 432 ² , 433, 434, 435; BOT 335; MCRO 424; ZOO 422	
<i>Botany</i>	4
BOT 313, 323, 334, 335, 433, 437	
<i>Microbiology</i>	3-5
BIO 426 (4); MCRO 224 (5), 225 (5), 320 ² (3), 342 (4), 402 (4), 421 (4), 433 (3), 436 (4); ZOO 428 (4)	
<i>Zoology</i>	4
BIO 318, 328; ZOO 321, 322, 323, 329, 335, 336, 341, 425	
Advisor approved electives	13-15
	<u>39</u>

Marine Biology & Fisheries Concentration

BIO 328 Marine Biology	5
BIO/CHEM 375 Molecular Biology Lab	2
BOT 437 Phycology	4
STAT 313 Appl Expr Dsgn & Regres Mod	4
ZOO 322 Ichthyology	4
ZOO 336 Invertebrate Zoology	4
¹ Advisor approved electives	16
	<u>39</u>

Molecular and Cellular Biology Concentration

BIO/CHEM 375 Molecular Biology Laboratory ..	2
BIO 452 Cell Biology	4
CHEM 317 Organic Chemistry II	5
CHEM 371 Biochemistry	5
CHEM 372 Metabolism.....	3
CHEM 474 <i>or</i> BIO/CHEM 476.....	2
Choose 8 units from the following	8
BIO 405; BIO/CHEM 441; BOT 450, CHEM 473 <i>or</i> BIO 426, MCRO 402, MCRO 433, SCM 201	
¹ Advisor approved electives	10
	<u>39</u>

Systematics & Biodiversity Concentration

BIO 343 Principles of Systematic Biology.....	4
BIO/CHEM 375 Molecular Biology Lab	2
BIO 415 Biogeography.....	4
BIO/CHEM 441 Bioinformatics Applications.....	4
STAT 313 Appl Expr Dsgn & Regres Mod	4
STAT 419 Appl Multivariate Stats.....	4
¹ Advisor approved electives	17
	<u>39</u>

¹ Guidelines are available for advisor approved electives in most concentrations. See your faculty advisor for assistance.

² Students planning to earn a single subject credential for teaching Biology should take BIO 432 and MCRO 320 and contact the credential advisor to identify other required courses.