

Biology Major, Healthcare-Science Emphasis

(*indicates lab included) (68-73 credits **includes 10/4/2010 revisions**)

Required Biology Core Courses (13-14 cr)

BIO 105 Biological Concepts: Unity or	4 cr*	
BIO 108 Honors: Concepts in Biology-Unity	5 cr*	
BIO 112 Healthcare Orientation	2 cr	(BIO 111 or 113 are acceptable alternatives)
BIO 323 Intro. Molecular and Cell Biology	3 cr	
BIO 343 Genetics	4 cr*	
BIO 491 Senior Survey	0 cr	

Plus Other Required Courses (39-43 cr)

BIO 211 Human Anatomy or	3 cr*	
BIO 308 Comparative Anatomy	5 cr*	
BIO 233 Microbial Survey or	4 cr*	
BIO 309 Bacteriology	5 cr*	
BIO 319 General Animal Physiology	5 cr*	
BIO 349 Ecology and Evolution	3 cr	
CHEM 105 General Chemistry I, or equivalent	5 cr*	
CHEM 106 General Chemistry II	5 cr*	
CHEM 235 Organic Chemistry I	4 cr*	
CHEM 335 Organic Chemistry II	4 cr*	
CHEM 303 Biochemistry I	3 cr	
MATH 171 Calculus I or	4 cr	
any statistics course meeting COLS BS requirement	3 cr	

Plus Required Biology Electives (any combination that totals **at least 10 cr**)

10 cr

- BIO 300 Biology Internship 1-3 cr (must be Healthcare-related)
- BIO 301 Microbiology Internship 1-3 cr (must be Healthcare-related)
- BIO 303 Introduction to Epidemiology 2 cr
- BIO 306 Neurobiology 3 cr
- BIO 308 Comparative Anatomy 5 cr* (if not taken as part of core)
- BIO 309 Bacteriology (NS) 5 cr* (if not taken as part of core)
- BIO 310 Biology of Gender 3 cr
- BIO 312 Medical Bacteriology 2 cr
- BIO 313 Medical Bacteriology Lab 2 cr*
- BIO 315 Virology 3 cr
- BIO 316 Developmental Biology 3 cr
- BIO 321 Mycology (NS) 3 cr*
- BIO 338 Environmental Toxicology 2 cr.
- BIO 341 Immunology 3 cr
- BIO 344 Introduction to Hematology 3 cr*
- BIO 354 Parasitology 3 cr*
- BIO 372 Advanced Cell & Molecular Biology 3 cr
- BIO 374 Cell/Immunology Lab 3 cr*
- BIO 389 Biotechnology 3 cr
- BIO 390 Biotechnology Lab 2 cr*
- BIO 446 Independent Study 1-3 cr, must be Healthcare-related
- BIO 456 Related Readings 1-3 cr, must be Healthcare-related

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One extra departmental course from the following list may count as a Biology elective:

- CHEM 304 Biochemistry Lab (NS) 1 cr*
- CHEM 305 Advanced Biochemistry 3 cr
- KINESIOL 348 Biomechanics 3 cr
- KINESIOL 350 Physiology of Exercise 3 cr
- KINESIOL 375 Lifespan Motor Development 2 cr
- PSYCH 367 Psychopharmacology 3 cr
- PSYCH 383 Biological Psychology 3 cr
- PSYCH 384 Biopsychology Lab 3 cr*
- PSYCH 455 Sensation & Perception 3 cr

Additional Required Courses that contribute to General Education for the BS degree:

Psychology Courses

6 cr

PSYCH 101 Introductory Psychology (SS)

Plus *any one* of the following:

- PSYCH 220 Health Psychology (SS)
- PSYCH 271 Cross-Cultural Psychology (SS, ES)
- PSYCH 280 Cognitive Psychology (SS)
- PSYCH 291 Developmental Psychology (SS)
- PSYCH 310 Comparative Psychology (SS)
- PSYCH 331 Infant & Child Development (SS)
- PSYCH 338 Adult Development & Aging (SS)
- PSYCH 355 Psychology of Adolescence (SS)
- PSYCH 390 Sport Psychology (SS)

Reminders: To graduate, all students enrolled in this Emphasis must:

- Complete at least 120 cr overall
- Complete at least 30 cr of the 120 cr at UW Oshkosh
- Complete at least 15 cr of the final 30 cr at UW Oshkosh
- Complete at least 42 cr of the 120 cr with General Education coursework as required by the College of Letters & Sciences for the BS degree
- Complete at least 35 cr of the 120 cr at the 300 level or higher
- Achieve the minimum GPA specified by the College of Letters & Sciences

The STAR report automatically checks progress for the above requirements.