

Biology Major, Healthcare-Business Emphasis

(*indicates lab included) (61-74 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 (32-44 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 212 Human Physiology or	4 cr*	
BIO 319 General Animal Physiology	5 cr*	
BIO 349 Ecology and Evolution	3 cr	
CHEM 101-102 General Organic & Biochem I and II or	8 cr*	(grade of B or better in both courses) ^a
CHEM 105-106 General Chemistry I and II	10 cr*	
MATH 204 + 206 Math for Business I and II or	8 cr	
MATH 171 Calculus I or	4 cr	
any statistics course meeting COLS Bachelor of Science Gen Ed requirement		
BUS 198 Introduction to Business	3 cr ^b	
BUS 204 Essentials of Financial & Managerial Accounting	4 cr	
BUS 311 Essentials of Information Systems	2 cr	
BUS 351 Essentials of Organizational Behavior & Strategy	2 cr	
BUS 361 Essentials of Human Resource Management	2 cr	
Plus <i>any two</i> of the following:		
BUS 320 Essentials of Law for Business	2 cr	
BUS 331 Essentials of Finance	2 cr	
BUS 341 Essentials of Operations Management	2 cr	
BUS 371 Essentials of Marketing	2 cr	
ECON 204 Macroeconomics	3 cr	

^a **Note:** CHEM 101-102 is a terminal sequence and never substitutes for CHEM 105-106 should additional chemistry be desired.

^b **Note:** a maximum of 6 BUS cr per semester is allowed, so plan carefully to spread out these credits.

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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)

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

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 205 Social Psychology (SS)
PSYCH 220 Health Psychology (SS)
PSYCH 271 Cross-Cultural Psychology (SS, ES)
PSYCH 363 Industrial & Organizational 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.