

2008/2009 B.S. MICROBIOLOGY CURRICULUM

Freshman Biol. Courses (10 cr.)		SEM/Yr	Grade	
BIOL 110	5(4,3) ¹	_____	_____	¹ BIOL 110 and 111 are strongly recommended. However, BIOL 103/105 may substitute for BIOL 110 and BIOL 104/106 may substitute for BIOL 111; the remaining 1-2 credits required must be satisfied by completing 1-2 extra credits from departmental course offerings at the 300 level or above.
BIOL 111	5(4,3) ¹	_____	_____	
Req. Science Courses (34-35 cr.)				
BIOCH 301	3(3,0)	_____	_____	² Students may choose to take physics with calculus, PHYS 122, 124 & PHYS 221, 223.
BIOCH 302	1(0,3)	_____	_____	
BIOSC 461	3(3,0)	_____	_____	
CH 101	4(3,3)	_____	_____	
CH 102	4(3,3)	_____	_____	
CH 223	3(3,0)	_____	_____	
& CH 227	1(0,3)	_____	_____	
CH 224	3(3,0)	_____	_____	
& CH 228	1(0,3)	_____	_____	
MTHSC 106	4(4,0)	_____	_____	
MTHSC 108	4(4,0)	_____	_____	
or MTHSC 301	3(3,0)	_____	_____	
or EXST 301	3(3,0)	_____	_____	
PHYS 207, 209	3(3,0), 1(0,2) ^{2,3}	_____	_____	⁴ See General Education Requirements on page 34 in the Undergraduate Announcements.
Req. Non-Science Courses (21 cr.)				
COMM 150, L150	3(2,2)	_____	_____	⁵ Virology: BIOSC 454, OR MICRO 416
ENGL 103, L103	3(3,1)	_____	_____	
ENGL 314	3(3,0)	_____	_____	⁶ See advisor. Minimum of 18 credits is required. At least one course must be selected from each of the following fields: <i>Biomedicine:</i> BIOSCI 456/457, GEN 302/303, HLTH 380, MICRO 400, 411, (AVS, BIOSC) 414, 417. <i>Environmental:</i> MICRO 402, 403, 410, BIOSC (PL PA) 425 <i>Food Safety, Industrial, and Technology:</i> GEN (BIOSC, MICRO) 418, MICRO 407, 413
Arts & Humanities – Literature	3(3,0) ⁴	_____	_____	
Arts & Humanities – Non-Literature	3(3,0) ⁴	_____	_____	
Social Sciences	3(3,0) ⁴	_____	_____	
_____	3(3,0) ⁴	_____	_____	
_____	3(3,0) ⁴	_____	_____	
Required Major Courses (22 cr.)				
MICRO 101	1(1,0)	_____	_____	⁷ Elective hours may be used toward satisfying the requirements of a minor.
MICRO 305	4(3,3)	_____	_____	
MICRO 401	4(2,6)	_____	_____	
MICRO 412	4(3,3)	_____	_____	
MICRO 415	4(3,3)	_____	_____	
MICRO 493	2(2,0)	_____	_____	
Virology Requirement	3(3,0) ⁵	_____	_____	
Other Major Courses (18 cr.) ⁶				⁸ Typically Non-Literature Humanities and Social Sciences courses are used to satisfy the Cross-Cultural Awareness and Science and Technology in Society requirements.
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	
Electives (19-20 cr.) ^{3,7}				
_____		_____	_____	Other Courses SEM/Yr Grade LIBRARY 100 _____ CCA ⁸ _____ STS ⁸ _____ _____ _____ _____ _____
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	
_____		_____	_____	