

MICROBIOLOGY, MINOR

Requirements

The Microbiology Minor requires 44-47 units: 18 units are lower division courses, which also may be used, where allowed, to satisfy General Education requirements; 26-29 units of upper division biology and chemistry courses are required.

Code	Title	Hours
Lower Division Requirements		
BIO 120	Principles of Biology I	3
BIO 121	Principles of Biology Lab I	1
BIO 122	Principles of Biology II	3
BIO 123	Principles of Biology II Lab	1
CHE 110	General Chemistry I	5
CHE 112	General Chemistry II	5
Upper Division Requirements		
Select one of the following:		3-5
BIO 320	Cell Biology	
CHE 450 & CHE 451	Biochemistry I and Biochemistry I Lab	
BIO 324	Microbiology with Clinical Applications	3
BIO 325	Microbiology with Clinical Applications Laboratory	1
BIO 426	Immunology	3
BIO 436	Immunology Laboratory	1
BIO 428	Virology	3
Select one of the following:		4-5
CHE 310 & CHE 311	Organic Chemistry I and Organic Chemistry Lab I	
CHE 316 & CHE 317	Survey of Organic Chemistry and Survey of Organic Chemistry Laboratory	
Select 8 units from the following:		8
BIO 310	Plant Physiology	
BIO 311	Plant Physiology Laboratory	
BIO 425	Medical Bacteriology	
BIO 435	Medical Bacteriology Laboratory	
BIO 458	Human Parasitology	
BIO 459	Human Parasitology Laboratory	
CHE 452	Biochemistry II	
Total Hours		44-47