

Iowa State University
College of Agriculture
Microbiology Eight Semester Plan
15-16 Catalog

Fall			Spring		
Chem 177/177L	General Chemistry & Lab	5	Chem 178	General Chemistry	3
Biol 211/211L	Principles of Biology & Lab	4	Biol 212/212L	Principles of Biology & Lab	4
Engl 250 or 150	Written Oral Visual and Electronic Comm	3	Stat 104	Statistics	3
Micro 101	Microbes in Society	3	Micro 302/302L	Biology of Microorganisms & Lab	4
Micro 110	Orientation in Microbiology	1	Social Sciences	Social Sciences (from list)	3
Lib 160	Library Instruction	1			
		17			17
Fall			Spring		
Chem 331/331L	Organic Chemistry I & Lab	4	Chem 332/332L	Organic Chemistry II	3
Micro 310/310L	Medical Microbiology & Lab	4	Micro	Micro Environmental or Elective	3
Math 143, 145 or Calc	Trig, Pre-Calc, or Calculus	4	Biol 313/313L	Genetics & Lab	4
Ethics	Ethics	3	Humanities	Humanities (from list)	3
		15	Math or Stat	Calculus (I or II) or Intermediate Stats (301)	4
					17
Fall			Spring		
Biol 314 or Biol 328	Cell Biology or cellular aspects of human diseases	3	Micro 320	Molecular and Cellular Bacteriology.	4
Micro Choice	Micro Environmental or Micro Elective	3	Phys 112	General Physics II	5
Phys 111 or Phys 115	General Physics I or Phys for Life Sci.	5	Engl Choice	Advanced English – 302, 309, 312 or 314	3
Sp Cm 212	Fundamentals of Public Speaking	3	US Diversity	US Diversity (from list)	3
General Elective	General Elective	3			
		17			15
Fall			Spring		
Micro 440	Lab in Microbial Phys, Gen & Div.	4			
Micro Choice	Microbiology Elective	3	Micro Choice	Microbiology Elective	3
Micro 451	Micro Senior Survey	R	Micro 450	Undergraduate Seminar	2
Int. Perspective	International perspectives	3	BBMB 405	Biochemistry II	3
BBMB 404	Biochemistry I	3	General Elective	General Elective	7-8
General Elective	General Elective	3			15-16
		16			

Courses that work well for summer or study-abroad