

North Iowa Area Community College to ISU transfer guide for Microbiology BS

Courses to be completed at NIACC

Courses to completed at ISU for 2018-2019 catalog

<u>Strongly recommended</u>	<u>English, Math & Science Courses</u>		<u>Microbiology</u>		
ENG 105 & 106	Composition 1 & 2	6	Micro 110	Orientation in Micro	1
BIO 202 & 203	General Biology 1 & 2	8	Micro 302, 302L ¹	Biology of Microorganisms with Lab	4
CHM 166, 166 Lab & 176 ¹	General Chemistry 1 & 2	9	Micro 310, L	Medical Micro with Lab	4
CHM 263, 263 Lab & 273 ¹	Organic Chemistry 1 & 2	8	Micro 320	Molecular and Cellular Bacteriology	4
MAT 156	Statistics	3	Micro 430 or	Micro Diversity & Ecology	
MAT 210 & 216 ¹	Calculus 1 & 2	4 each	Micro 456 or	Mycology	3
PHYS 162 & 172	College Physics 1 & 2	8	Micro 477	Bacterial-Plant Interactions	
SPC 112	Public Speaking	3	Micro 440	Microbial Physiology, Div., & Genetics Lab	4
General Education	Requirements		Micro 450	Microbiology Seminar	2
<i>Humanities – Pick 1</i>			Micro 451	Microbiology Junior Survey	R
ART 203	Art History I	3	Micro	Micro Choice	3
ENG 201	Introduction to Literature	3	Micro	Micro Choice	3
HIS 112	Western Civilization: Ancient to EM	4	Micro	Micro Choice	3
HIS 113	Western Civilization: EM to Present	4			
HIS 151	US History to 1877	3	<u>Physical Sciences</u>		
HIS 152	US History since 1877	3	BBMB 301 or	Survey Biochemistry	3
PHI 101	Introduction to Philosophy	3	BBMB 336 or	Principles of Biochemistry	3
			BBMB 404 or 405	Biochemistry 1 & 2	3 each
<i>Ethics</i>					
PHI 105	Introduction to Ethics	3	<u>Biological Sciences</u>		
			Bio 313, L	Genetics with Lab	4
<i>Social Science – Pick 1</i>			Bio 314 or 328	Cell Biology	3
CRJ 201	Juvenile Delinquency	3			
POL 111	American National Government	3	<u>English – Pick 1 course</u>		
PSY 251	Social Psychology	3	Engl 302	Business Communications	3
SOC 110	Introduction to Sociology	3	Engl 309	Proposal and Report Writing	3
SOC 115	Social Problems	3	Engl 312	Biological Communications	3
SOC 120	Marriage and Family	3	Engl 314	Technical Communications	3
	65 cr. Limit that can apply to BS		<u>Personal Development</u>		
<u>Recommended Preparation</u>			Int'l Perspective		3
BIO 186 ²	Microbiology (with Lab)	4	US Diversity		3
			Lib 160		1
			Electives		
				To reach 128 total credits	

¹Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 210 and Mat 216 and CHM 176 Lab and CHM 271 Lab at North Iowa Area Community College

² Bio 186 counts as Micro 302Lab

The Course numbers may vary somewhat from school to school. Double check the ISU Course Equivalency guides

(<http://www.admissions.iastate.edu/equiv/index.php?state=iowa>)