

Kirkwood Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Kirkwood

Courses to be completed at ISU for 2018-2019 catalog

<u>Strongly recommended</u>	<u>English, Math & Science Courses</u>		<u>Microbiology</u>		
English 105 & 106	Composition 1 & 2	6	Micro 110	Orientation in Micro	1
BIO 112 & 113 with labs	General Biology 1 & 2	8	Micro 302	Biology of Microorganisms ²	3
BIO 186	Microbiology & Lab	4	Micro 310, L	Medical Micro with Lab	4
CHM 165, 165 Lab & 175 ¹	General Chemistry 1 & 2	7	Micro 320	Molecular and Cellular Bacteriology	4
CHM 262 & 272	Organic Chemistry 1 & 2	6	Micro 430 or	Micro Diversity & Ecology	
MAT 157	Statistics	3	Micro 456 or	Mycology	3
MAT 210 & 216 ¹	Calculus 1 & 2	4 each	Micro 477	Bacterial-Plant Interactions	
PHYS 162 & 172	College Physics 1 & 2	8	Micro 440	Microbial Physiology, Div., & Genetics Lab	4
SPC 112	Fundamentals of Oral Communication	3	Micro 450	Microbiology Seminar	2
			Micro 451	Microbiology Senior Survey	R
<u>General Education</u>	<u>Requirements</u>		Micro	Micro Choice	3
<i>Humanities – Pick 1</i>			Micro	Micro Choice	3
ART 203	Art History 1	3	Micro	Micro Choice	3
HIS 151	US History to 1877	3			
HIS 152	US History since 1877	3	<u>Physical Sciences</u>		
MUS 100	Music Appreciation	3	BBMB 301 or	Survey Biochemistry	3
PHI 101	Introduction to Philosophy	3	BBMB 336 or	Principles of Biochemistry	3
DRA 101	Theatrical Arts and Society	3	BBMB 404 or 405	Biochemistry 1 & 2	3 each
REL 101	Survey of World Religions	3			
			<u>Biological Sciences</u>		
<i>Ethics</i>			Bio 313, L	Genetics with Lab	4
PHI 230	Introduction to Ethics	3	Bio 314	Cell Biology	3
<i>Social Science – Pick 1</i>			<u>English – Pick 1 course</u>		
ANT 105	Cultural Anthropology	3	Engl 302	Business Communications	3
ECN 120	Principles of Macroeconomics	3	Engl 309	Proposal and Report Writing	3
ECN 130	Principles of Microeconomics	3	Engl 312	Biological Communications	3
POL 111	American National Government	3	Engl 314	Technical Communications	3
PSY 111	Introduction to Psychology	3			
PSY 121	Developmental Psychology	3	<u>Personal Development</u>		
SOC 110	Introduction to Sociology	3	Psych 131	Academic Learning Skills	1
SOC 115	Social Problems	3	Int'l Perspective		3
SOC 120	Marriage and Family	3	US Diversity		3
			Lib 160		1
	65 cr. Limit that can apply to BS		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 175 Lab at Kirkwood

²Bio 186 at Kirkwood counts as Micro 302 Lab at ISU

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>)