

Iowa Lakes Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Iowa Lakes

Courses to be completed at ISU for 2018-2019 catalog

<b><u>Strongly recommended</u></b>	<b><u>English, Math &amp; Science Courses</u></b>		<b><u>Microbiology</u></b>	
ENG 105 & 106	Composition 1 & 2	6	Micro 110	Orientation in Micro 1
BIO 112 & 113	General Biology 1 & 2	8	Micro 302	Biology of Microorganisms <sup>2</sup> 3
CHM 166, 166 Lab & CHM 176 <sup>1</sup>	General Chemistry 1 & 2	4	Micro 310, L	Medical Micro with Lab 4
CHM 263, 263 Lab & CHM 273 <sup>1</sup>	Organic Chemistry 1 & 2	9	Micro 320	Molecular and Cellular Bacteriology 4
BUS 211, MAT 156 or 157	Statistics	8	Micro 430 or	Micro Diversity & Ecology
MAT 211 & 217 <sup>1</sup>	Calculus 1 & 2	3 or 4	Micro 456 or	Mycology 3
PHYS 162 & 172	College Physics 1 & 2	5 each	Micro 477	Bacterial-Plant Interactions
SPC 112	Public Speaking	8	Micro 440	Microbial Physiology, Div., & Genetics Lab 4
		3	Micro 450	Microbiology Seminar 2
<b><u>General Education</u></b>	<b><u>Requirements</u></b>		Micro 451	Microbiology Senior Survey R
<i>Humanities – Pick 1</i>			Micro	Micro Choice 3
HIS 110	Western Civilization: Ancient to Modern		Micro	Micro Choice 3
HIS 111	Western Civilization: Modern to Present	3	Micro	Micro Choice 3
HIS 151	US History to 1877	3		
HIS 152	US History since 1877	3	<b><u>Physical Sciences</u></b>	
MUS 100	Music Appreciation	3	BBMB 301 or	Survey Biochemistry 3
PHI 101	Introduction to Philosophy	3	BBMB 336 or	Principles of Biochemistry 3
REL 101	Survey of World Religions	3	BBMB 404 or 405	Biochemistry 1 & 2 3 each
		3		
<i>Ethics</i>			<b><u>Biological Sciences</u></b>	
PHI 105	Introduction to Ethics		Bio 313, L	Genetics with Lab 4
		3	Bio 314 or 328	Cell Biology 3
<i>Social Science – Pick 1</i>			<b><u>English – Pick 1 course</u></b>	
ANT 105	Cultural Anthropology		Engl 302	Business Communications 3
CRJ 100	Introduction to Criminal Justice	3	Engl 309	Proposal and Report Writing 3
CRJ 201	Juvenile Delinquency	3	Engl 312	Biological Communications 3
ECN 120	Principles of Macroeconomics	3	Engl 314	Technical Communications 3
ECN 130	Principles of Microeconomics	3		
POL 111	American National Government	3	<b><u>Personal Development</u></b>	
PSY 121	Developmental Psychology	3	Int'l Perspective	3
PSY 251	Social Psychology	3	US Diversity	3
SOC 110	Introduction to Sociology	3		
SOC 120	Marriage and Family	3	Electives	
	<b>65 cr. Limit that can apply to BS</b>	3		
<b><u>Recommended Preparation</u></b>				<b>To reach 128 total credits</b>
Bio 186	Microbiology (Includes lab)	4		

<sup>1</sup>Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 211 and Mat 217 and CHM 176 Lab and CHM 273 Lab at ILCC

<sup>2</sup>Bio 186 lab at Iowa Lakes 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>)