

Iowa Central Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Iowa Central

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
CHM 165, 165 Lab & 175 ¹	General Chemistry 1 & 2	7	Micro 310, L	Medical Micro with Lab	4
CHM 261 & 271	Organic Chemistry 1 & 2	8	Micro 320	Molecular and Cellular Bacteriology	4
MAT 157	Statistics	4	Micro 430 or	Micro Diversity & Ecology	
MAT 210 & 216 ¹	Calculus 1 & 2	4 each	Micro 456 or	Mycology	3
PHY 162 & 172	College Physics 1 & 2	8	Micro 477	Bacterial-Plant Interactions	
SPC 112	Fundamentals of Oral Communication	3	Micro 440	Microbial Physiology, Div., & Genetics Lab	4
			Micro 450	Microbiology Seminar	2
<u>General Education</u>	<u>Requirements</u>		Micro 451	Microbiology Senior Survey	R
<i>Humanities</i> – Pick 1			Micro	Micro Choice	3
ART 203	Art History 1	3	Micro	Micro Choice	3
HIS 151	US History to 1877	3	Micro	Micro Choice	3
HIS 152	US History since 1877	3			
MUS 104	Exploring Music	3	<u>Physical Sciences</u>		
PHI 101	Introduction to Philosophy	3	BBMB 301 or	Survey Biochemistry	3
DRA 101	Theatrical Arts and Society	3	BBMB 336 or	Principles of Biochemistry	3
REL 105	Introduction to Religions	3	BBMB 404 or 405	Biochemistry 1 & 2	3 each
<i>Ethics</i>			<u>Biological Sciences</u>		
PHI 145	Introduction to Ethical Conflicts	3	Bio 313, L	Genetics with Lab	4
			Bio 314 or 328	Cell Biology	3
<i>Social Science</i> – Pick 1					
ANT 105	Cultural Anthropology	3	<u>English</u> – Pick 1 course		
ECN 120	Principles of Macroeconomics	3	Engl 302	Business Communications	3
ECN 130	Principles of Microeconomics	3	Engl 309	Proposal and Report Writing	3
POL 111	American National Government	3	Engl 312	Biological Communications	3
PSY 111	Introduction to Psychology	3	Engl 314	Technical Communications	3
PSY 121	Developmental Psychology	3			
SOC 110	Introduction to Sociology	3	<u>Personal Development</u>		
SOC 115	Social Problems	3	Int'l Perspective		3
SOC 120	Marriage and Family	3	US Diversity		3
	65 cr. Limit that can apply to BS				
<u>Recommended Preparation</u>			Electives		
Bio 186	Microbiology with Lab	4		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 Iowa Central

²Bio 186 at Iowa Central 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>)