

Southeastern Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Southeastern

Courses to be 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 112 & 113	General Biology 1 & 2	8	Micro 302, 302L ²	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 263, 263 Lab & 273	Organic Chemistry 1 & 2	9	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 160 & 161	College Physics 1 & 2	10	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 1	3	Micro	Micro Choice	3
HIS 131	World Civilization 1	3	Micro	Micro Choice	3
HIS 132	World Civilization 2	3	Micro	Micro Choice	3
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
DRA 101	Introduction to Theatre	3	BBMB 404 or 405	Biochemistry 1 & 2	3 each
REL 101	Survey of World Religions	3	<u>Biological Sciences</u>		
<i>Ethics - PHI 105</i>	Introduction to Ethics	3	Bio 313, L	Genetics with Lab	4
<i>Social Science – Pick 1</i>			Bio 314 or 328	Cell Biology	3
AGB 235	Introduction to Ag Markets	3	<u>English – Pick 1 course</u>		
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 251	Social Psychology	3	Engl 314	Technical Communications	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
SOC 230	Juvenile Delinquency	3	Lib 160		1
	65 cr. Limit that can apply to BS		Electives	To reach 128 total credits	
<u>Recommended Preparation</u>					
Bio 186	Microbiology (includes Lab)	4			

¹ Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 210 and Mat 216 and CHM 175 Lab and CHM 273 Lab at Southeastern CC

² Credit for 186 Lab at Southeastern counts as Micro 302 Lab

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>)