

Southeastern Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Southeastern

Courses to be completed at ISU for 2021-2022 catalog

Strongly recommended

English, Math & Science Courses

ENG 105 & 106	Composition 1 & 2	6
BIO 112 & 113	General Biology 1 & 2	8
CHM 165, 165 Lab & 175 ¹	General Chemistry 1 & 2	7
CHM 263, 263 Lab & 273	Organic Chemistry 1 & 2	9
MAT 156	Statistics	3
MAT 128	Precalculus	4
MAT 210 ¹	Calculus 1	4
PHYS 160 & 161	College Physics 1 & 2	10
SPC 112	Public Speaking	3

General Education

Humanities – Pick 1

ART 203	Art History 1	3
HIS 131	World Civilization 1	3
HIS 132	World Civilization 2	3
HIS 151	US History to 1877	3
HIS 152	US History since 1877	3
PHI 101	Introduction to Philosophy	3
DRA 101	Introduction to Theatre	3
REL 101	Survey of World Religions	3

Ethics - PHI 105

Introduction to Ethics	3
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Social Science – Pick 1

AGB 235	Introduction to Ag Markets	3
ECN 120	Principles of Macroeconomics	3
ECN 130	Principles of Microeconomics	3
POL 111	American National Government	3
PSY 251	Social Psychology	3
SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
SOC 120	Marriage and Family	3

Recommended Preparation

Bio 186	Microbiology (includes Lab)	4
65 cr. Limit that can apply to BS		

Microbiology

Micro 110	Orientation in Micro	1
Micro 302, 302L ²	Biology of Microorganisms ²	4
Micro 310, L	Medical Micro with Lab	4
Micro 320	Molecular and Cellular Bacteriology	4
Environmental Micro	430 Micro Diversity & Ecology OR 456 Mycology OR 477 Bacterial-Plant Interactions	3
Micro 440	Microbial Physiology, Div., & Genetics Lab	4
Micro 450	Microbiology Seminar	2
Micro 451	Microbiology Junior Survey	R
Micro electives	Micro Choices	9

Biochemistry

	(Minimum 3 credits)	
BBMB 301 or	Survey Biochemistry	3
BBMB 336 or	Principles of Biochemistry	3
BBMB 404 and 405	Biochemistry 1 & 2	6

Biological Sciences

Bio 313, L	Genetics with Lab	4
Bio 314 or 328	Molecular Biology	3

English – Pick 1 course

Engl 302	Business Communications	3
Engl 309	Proposal and Report Writing	3
Engl 312	Biological Communications	3
Engl 314	Technical Communications	3

Personal Development

Int'l Perspective		3
US Diversity		3
Lib 160		1
Electives	To reach 128 total credits	

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. If the Micro 186 lab was not face to face, recommend taking Micro 302Lab 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>)