

Eastern Iowa Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Northeast IA CC

Courses to be completed at ISU for 2021-2022 catalog

Strongly recommended

English 105 & 106	<u>English, Math & Science Courses</u>	
BIO 114 & 115	Composition 1 & 2	6
CHM 166 & 176	General Biology 1 & 2	8
CHM 261 & 271	General Chemistry 1 & Lab & 2	9
MAT 156	Organic Chem 1 & Lab & 2	7
MAT 160	Statistics	3
MAT 210	Survey of Calculus	3
PHY 162 & 172	Calculus 1	4
SPC 112	College Physics 1 & 2	8
	Public Speaking	3

General Education

Humanities – Pick 1

LIT 101	Introduction to Literature	3
HIS 117	Ancient Medieval	3
REL 105	Survey of World Religions	3
MUS 100	Music Appreciation	3
DRA 101	Intro to Theater	3

Ethics PHI 105

Introduction to Ethics	3
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Social Science – Pick 1

PSY 111	Introduction to Psychology	3
PSY 121	Developmental Psychology	3
PSY 251	Social Psychology	3
SOC 110	Introduction to Sociology	3
SOC 115	Social Problems	3
ECN 120	Principles of Macroeconomics	3
ECN 130	Principles of Microeconomics	3
ANT 105	Cultural Anthropology	3

65 cr. Limit that can apply to BS

Recommended Preparation Course

BIO 186	Microbiology	4
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Microbiology

Micro 110	Orientation in Micro	1
Micro 302, L	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	Micro Choice	3
Micro	Micro Choice	3
Micro	Micro Choice	3

Biochemistry

(minimum of 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 Credit for Bio 186 at DMACC counts as Micro 302Lab, but if lab was not face to face, recommend student take 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>)