

Normandale Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Joliet for 2021-2022 catalog

Courses to completed at ISU for 2021-2022 catalog

<u>Strongly recommended</u>	<u>Math & Science Courses</u>	<u>Microbiology</u>	
BIO 1501 & 1502	General Biology 1 & 2	Micro 110	Orientation in Micro 1
BIO 2043 ²	Microbiology	Micro 302, L	Biology of Microorganisms with Lab 4
CHM 1061, Lab & 1062 ¹	General Chemistry 1 & 2	Micro 310, L	Medical Micro with Lab 4
CHM 2061, Lab & 2062 ¹	Organic Chemistry 1 & 2	Micro 320	Molecular and Cellular Bacteriology 4
MATH 1080	Statistics	Environmental Micro	430 Micro Diversity & Ecology OR 456 Mycology OR 3
MATH 1510 ¹	Calculus 1		477 Bacterial-Plant Interactions
PHYS 1110 & 1111	College Physics 1 & 2	Micro 440	Microbial Physiology, Div., & Genetics Lab 4
COMM 1101	Fundamentals of public speaking	Micro 450	Microbiology Capstone Seminar 2
		Micro 451	Microbiology Junior Survey R
		Micro electives	Micro choices 9
General Education		Biochemistry	(Minimum of 3 credits)
<i>Humanities – Pick 1</i>		BBMB 301 or	Survey Biochemistry 3
ANTH 1120	Introduction to Women’s Studies 3	BBMB 336 or	Principles of Biochemistry 3
ART 1102	Art History 1 3	BBMB 404 and 405	Biochemistry 1 & 2 6
HIS 1111	US History 1 3		
HIS 1112	US History 2 3	Biological Sciences	
MUSC 1122	Intro to Music 3	Bio 313, L	Genetics with Lab 4
PHI 1101	Introduction to Philosophy 3	Bio 314 or 328	Molecular Biology 3
<i>Ethics</i>			
PHI 1103	Introduction to Ethics 3	English –Choose 1	
<i>Social Science – Pick 1</i>		Engl 302	Business Communications 3
ECN 2201	Principles of Microeconomics 3	Engl 309	Proposal and Report Writing 3
ECN 2202	Principles of Macroeconomics 3	Engl 312	Biological Communications 3
POLS 1130	Introduction to US Politics 3	Engl 314	Technical Communications 3
POLS 1132	Introduction to Comparative Politics 3		
PSYC 1110	Introduction to Psychology 3	Personal Development	
PSYC 2600	Introduction to Social Psychology 3	Int’l Perspective	3
SOC 1104	Introduction to Sociology 3	US Diversity	3
SOC 1102	Love, Sex and Family 3	Lib 160	1
SOC 1106	Social Problems in a Changing World 3	Electives	To reach 128 total credits
	65 cr. Limit that can apply to BS		

¹Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Math 1510 and Math 1520 and CHM 1062 Lab and CHM 1062 Lab at Normandale.

²Bio 2204 Lab at Normandale counts as Micro 302 Lab at ISU. If the 2204 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>)