

Indian Hills Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Indian Hills CC

Courses to be completed at ISU for 2021-2022 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 120, 121 & 122	General Biology 1 & 2 & Labs	8	Micro 302, L	Biology of Microorganisms ²	4
BIO 187	Microbiology & Lab	4	Micro 310, L	Medical Micro with Lab	4
CHM 166, 166 Lab & 176 ¹	General Chemistry 1 & 2	9	Micro 320	Molecular and Cellular Bacteriology	4
CHM 251, 252, 253	Organic Chemistry 1 & 2	9	Environmental Micro	430 Micro Diversity & Ecology or 456 Mycology or 477 Bacterial-Plant Interactions	3
MAT 156	Statistics	3	Micro 440	Microbial Physiology, Div., & Genetics Lab	4
MAT 210	Calculus 1	4	Micro 450	Microbiology Seminar	2
SPC 112	Public Speaking	3	Micro 451	Microbiology Senior Survey	R
			Micro electives	Micro Choices	9
<u>General Education</u>	<u>Requirements</u>		<u>Physical Sciences</u>		
<i>Humanities</i> – Pick 1			PHY 115 or 131 & 132	Physics	5/10
ART 200 or 201	Art History 1 or 2	3	<u>Biochemistry</u>	(Minimum of 3 credits)	
HIS 110	Western Civ – Ancient to Early Modern	3	BBMB 301 or	Survey Biochemistry	3
HIS 111	Western Civ – Early modern to present	3	BBMB 336 or	Principles of Biochemistry	3
HIS 151	US History to 1877	3	BBMB 404 and 405	Biochemistry 1 & 2	6
HIS 152	US History since 1877	3	<u>Biological Sciences</u>		
Mus 100	Music Appreciation	3	Bio 313, L	Genetics with Lab	4
PHI 101	Introduction to Philosophy	3	Bio 314 or Bio 328	Molecular Biology	3
REL 101	Survey of World Religions	3	<u>English</u> – Pick 1 course		
<i>Ethics</i>			Engl 302	Business Communications	3
PHI 105	Introduction to Ethics	3	Engl 309	Proposal and Report Writing	3
<i>Social Science</i> – Pick 1			Engl 312	Biological Communications	3
ANT 105	Cultural Anthropology	3	Engl 314	Technical Communications	3
ECN 120	Principles of Macroeconomics	3	<u>Personal Development</u>		
ECN 130	Principles of Microeconomics	3	Int'l Perspective		3
POL 111	American National Government	3	US Diversity		3
POL 121	International Relations	3	Lib 160Electives		1
PSY 111	Introduction to Psychology	3			
PSY 251	Social Psychology	3			
SOC 110	Introduction to Sociology	3			
SOC 115	Social Problems	3			
SOC 120	Marriage and Family	3			
	65 cr. Limit that can apply to BS			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 176 Lab at Indian Hills

²Bio 187 at Indian Hills counts as Micro 302 Lab at ISU (If Bio 187 was not an in-person lab, then it is recommended students take 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>)