Hawkeye Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Hawkeye CC

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 260 & 270	Organic Chemistry 1 & 2	6
BUS 210	Statistics	3
MAT 210 & 216 [1]	Calculus 1 & 2	4 each
PHYS 162 & 172	College Physics 1 & 2	8
SPC 112	Public Speaking	3
General Education	Requirements	
Humanities – Pick 1		
ART 203	Art History 1	3
HIS 151	US History to 1877	3
HIS 152	US History since 1877	3
MUS 100	Music Appreciation	3
PHI 101	Introduction to Philosophy	3
DRA 107	Theatrical Arts and Society	3
REL 101	Survey of World Religions	3
Ethics		
PHI 105	Introduction to Ethics	3
Social Science – Pick 1		
ANT 105	Cultural Anthropology	3
CRJ 100	Introduction to Criminal Justice	3
CRJ 201	Juvenile Delinquency	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
	65 cr. Limit that can apply to BS	
Recommended Preparation		
Bio 186	Microbiology with Lab	4

Courses to be completed at ISU for 2018-2019 catalog

Microbiology		
Micro 110	Orientation in Micro	1
Micro 302	Biology of Microorganisms [2]	3
Micro 310, L	Medical Micro with Lab	4
Micro 320	Molecular and Cellular Bacteriology	4
Micro 430 or	Micro Diversity & Ecology	
Micro 456 or	Mycology	3
Micro 477	Bacterial-Plant Interactions	
Micro 440	Microbial Physiology, Div., & Genetics Lab	4
Micro 450	Microbiology Seminar	2
Micro 451	Microbiology Senior Survey	R
Micro	Micro Choice	3
Micro	Micro Choice	3
Micro	Micro Choice	3
Physical Sciences		
BBMB 301 or	Survey Biochemistry	3
BBMB 336 or	Principles of Biochemistry	3
BBMB 404 or 405	Biochemistry 1 & 2	3 each
Biological Sciences		
Bio 313, L	Genetics with Lab	4
Bio 314 or 328	Cell 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	Academic Learning Skills	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 at Hawkeye

[2]Bio 186 at Hawkeye counts as 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)

9/2018