

Southwestern Community College to ISU transfer guide for Microbiology BS

Courses to be completed at Southwestern

Courses to be completed at ISU for 2018-2019 catalog

<p><u>Strongly recommended</u></p> <p>ENG 105 & 106 BIO 112 & 113 or Bio 114 & 115 CHM 166 & 176 CHM 261, 261 Lab & 271 ¹ MAT 156 MAT 210 & 216 ¹ PHYS 162 & 172 SPC 112</p> <p><u>General Education</u></p> <p><i>Humanities – Pick 1</i></p> <p>ART 203 HIS 110 HIS 111 HIS 151 HIS 152 PHI 101 REL 101</p> <p><i>Ethics</i></p> <p>PHI 105</p> <p><i>Social Science – Pick 1</i></p> <p>AGB 235 ANT 105 CRJ 100 CRJ 201 ECN 120 ECN 130 POL 111 PSY 251 SOC 110 SOC 115 SOC 120</p> <p><u>Recommended Preparation</u></p> <p>BIO 186 ²</p>	<p><u>English, Math & Science Courses</u></p> <p>Composition 1 & 2 General Biology 1 & 2 General Chemistry 1 & 2 Organic Chemistry 1 & 2 Statistics Calculus 1 & 2 College Physics 1 & 2 Public Speaking</p> <p>Requirements</p> <p>Art History 1 Western Civilization: Ancient to EM Western Civilization: EM to Present US History to 1877 US History since 1877 Introduction to Philosophy Survey of World Religions</p> <p>Introduction to Ethics</p> <p>Introduction to Ag Markets Cultural Anthropology Introduction to Criminal Justice Juvenile Delinquency Principles of Macroeconomics Principles of Microeconomics American National Government Social Psychology Introduction to Sociology Social Problems Marriage and Family</p> <p style="text-align: center;">65 cr. Limit that can apply to BS</p> <p>Microbiology with Lab</p>	<p><u>Microbiology</u></p> <p>Micro 110 Micro 302, 302L ² Micro 310, L Micro 320 Micro 430 or Micro 456 or Micro 477 Micro 440 Micro 450 Micro 451 Micro Micro Micro</p> <p><u>Physical Sciences</u></p> <p>BBMB 301 or BBMB 336 or BBMB 404 or 405</p> <p><u>Biological Sciences</u></p> <p>Bio 313, L Bio 314 or 328</p> <p><u>English – Pick 1 course</u></p> <p>Engl 302 Engl 309 Engl 312 Engl 314</p> <p><u>Personal Development</u></p> <p>Int'l Perspective US Diversity Lib 160 Electives</p>	<p>Orientation in Micro Biology of Microorganisms Medical Micro with Lab Molecular and Cellular Bacteriology Micro Diversity & Ecology Mycology Bacterial-Plant Interactions Microbial Physiology, Div., & Genetics Lab Microbiology Seminar Microbiology Junior Survey Micro Choice Micro Choice Micro Choice</p> <p>Survey Biochemistry Principles of Biochemistry Biochemistry 1 & 2</p> <p>Genetics with Lab Cell Biology</p> <p>Business Communications Proposal and Report Writing Biological Communications Technical Communications</p> <p style="text-align: right;">To reach 128 total credits</p>
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¹Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 210 and Mat 216 and CHM 176 Lab and CHM 271 Lab at Southwestern

²Bio 186 at Southwestern 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>)