

Joliet Illinois Junior 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

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|------------------------------------|---|----|---------------------------------------|--|---|
| <u>Strongly recommended</u> | <u>English, Math & Science Courses</u> | | <u>Microbiology</u> | | |
| English 101 & 102 | Composition 1 & 2 | 6 | Micro 110 | Orientation in Micro | 1 |
| BIO 151 & 152 | General Biology 1 & 2 | 10 | Micro 302, L | Biology of Microorganisms with Lab | 4 |
| BIO 240 | Microbiology | 4 | Micro 310, L | Medical Micro with Lab | 4 |
| CHM 101 & 102 ¹ | General Chemistry 1 & 2 | 10 | Micro 320 | Molecular and Cellular Bacteriology | 4 |
| CHM 209 & 210 ¹ | Organic Chemistry 1 & 2 | 10 | Environmental Micro | 430 Micro Diversity & Ecology OR | |
| MAT 128 | Statistics | 4 | | 456 Mycology OR | 3 |
| MAT 170 ¹ | Calculus 1 | 5 | | 477 Bacterial-Plant Interactions | |
| PHYS 101 & 102 | College Physics 1 & 2 | 10 | Micro 440 | Microbial Physiology, Div., & Genetics Lab | 4 |
| COMM 101 | Principles of Speech Communication | 3 | Micro 450 | Microbiology Seminar | 2 |
| | | | Micro 451 | Microbiology Senior Survey | R |
| | | | Micro electives | Micro Choices | 9 |
| <u>General Education</u> | <u>Requirements</u> | | <u>Biochemistry</u> | (Minimum of 3 credits) | |
| <i>Humanities – Pick 1</i> | | | BBMB 301 or | Survey Biochemistry | 3 |
| ENG 103 | American Literature | 3 | BBMB 336 or | Principles of Biochemistry | 3 |
| ENG 105 | Survey of English Literature | 3 | BBMB 404 and 405 | Biochemistry 1 & 2 | 6 |
| HIS 105 | History of Civilization 1 | 3 | | | |
| HIS 106 | History of Civilization 2 | 3 | <u>Biological Sciences</u> | | |
| HIS 103 | US History to 1865 | 3 | Bio 313, L | Genetics with Lab | 4 |
| HIS 104 | US History since 1865 | 3 | Bio 314 or 328 | Molecular Biology | 3 |
| PHI 101 | Introduction to Philosophy | 3 | | | |
| <i>Ethics</i> | | | <u>English – Pick 1 course</u> | | |
| PHI 103 | Introduction to Ethics | 3 | Engl 302 | Business Communications | 3 |
| <i>Social Science – Pick 1</i> | | | Engl 309 | Proposal and Report Writing | 3 |
| ECN 103 | Principles of Macroeconomics | 3 | Engl 312 | Biological Communications | 3 |
| ECN 104 | Principles of Microeconomics | 3 | Engl 314 | Technical Communications | 3 |
| PSCI 101 | American National Government | 3 | | | |
| PSCI 103 | Introduction to Comparative Gov't | 3 | <u>Personal Development</u> | | |
| PSY 101 | General Psychology | 3 | Int'l Perspective | | 3 |
| PSY 208 | Social Psychology | 3 | US Diversity | | 3 |
| SOC 101 | Introduction to Sociology | 3 | Lib 160 | | 1 |
| SOC 280 | Sociology of Social Problems | 3 | Electives | To reach 128 total credits | |
| SOC 270 | Marriage and Family | 3 | | | |
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| | 65 cr. Limit that can apply to BS | | | | |

¹Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 170 and Mat 171 and CHM 102 Lab and CHM 210 Lab at Joliet Junior College
The Course numbers may vary somewhat from school to school. Double check the ISU Course Equivalency guides