

## Hawkeye Community College to ISU transfer guide for Microbiology BS

### Courses to be completed at Hawkeye CC

### Courses to be completed at ISU for 2021-2022 catalog

<p><b><u>Strongly recommended</u></b></p> <p>ENG 105 &amp; 106            BIO 112 &amp; 113            CHM 165, 165 Lab &amp; 175 <sup>1</sup>            CHM 260 &amp; 270            MAT 156            MAT 210 <sup>1</sup>            PHYS 162 &amp; 172            SPC 112</p> <p><b><u>General Education</u></b></p> <p><i>Humanities – Pick 1</i></p> <p>ART 203            HIS 151            HIS 152            MUS 100            PHI 101            DRA 107            REL 101</p> <p><i>Ethics</i></p> <p>PHI 105</p> <p><i>Social Science – Pick 1</i></p> <p>CRJ 100            CRJ 201            ECN 120            ECN 130            POL 111            PSY 251            SOC 110            SOC 115            SOC 120</p> <p><b><u>Recommended Preparation</u></b></p> <p>Bio 186</p>	<p><b><u>English, Math &amp; Science Courses</u></b></p> <p>Composition 1 &amp; 2            General Biology 1 &amp; 2            General Chemistry 1 &amp; 2            Organic Chemistry 1 &amp; 2            Statistics            Calculus 1            College Physics 1 &amp; 2            Public Speaking</p> <p>Art History 1            US History to 1877            US History since 1877            Music Appreciation            Introduction to Philosophy            Theatrical Arts and Society            Survey of World Religions</p> <p>Introduction to Ethics</p> <p>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><b>65 cr. Limit that can apply to BS</b></p> <p>Microbiology with Lab</p>	<p><b><u>Microbiology</u></b></p> <p>Micro 110            Micro 302, L            Micro 310, L            Micro 320            Environmental Micro            Micro 440            Micro 450            Micro 451            Micro            Micro            Micro</p> <p><b><u>Biochemistry</u></b></p> <p>BBMB 301 or            BBMB 336 or            BBMB 404 and 405</p> <p><b><u>Biological Sciences</u></b></p> <p>Bio 313, L            Bio 314 or 328</p> <p><b><u>English – Pick 1 course</u></b></p> <p>Engl 302            Engl 309            Engl 312            Engl 314</p> <p><b><u>Personal Development</u></b></p> <p>Int'l Perspective            US Diversity            Lib 160            Electives</p>	<p>Orientation in Micro            Biology of Microorganisms <sup>2</sup>            Medical Micro with Lab            Molecular and Cellular Bacteriology            430 Micro Diversity &amp; Ecology OR            456 Mycology OR            488 Bacterial-Plant Interactions            Microbial Physiology, Div., &amp; Genetics Lab            Microbiology Seminar            Microbiology Senior Survey            Micro Choice            Micro Choice            Micro Choice</p> <p>(Minimum 3 credits)</p> <p>Survey Biochemistry            Principles of Biochemistry            Biochemistry 1 &amp; 2</p> <p>Genetics with Lab            Molecular Biology</p> <p>Business Communications            Proposal and Report Writing            Biological Communications            Technical Communications</p> <p><b>To reach 128 total credits</b></p>
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<sup>1</sup>Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 210 and Mat 216 and CHM 175 Lab at Hawkeye

<sup>2</sup> Credit for Bio 186 at DMACC counts as Micro 302Lab, but if lab was not face to face, recommend student take 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>)