

B.S. MICROBIOLOGY

To learn about requirements for admission to the major, please visit our online course catalog page: <http://www2.ku.edu/~distinction/cgi-bin/admission368>

GENERAL EDUCATION REQUIREMENTS (33 h)

- Written Communication (9 h): ENGL 101 ENGL 102/105 ENGL 203, 205, 209, 210, or 211
- Argument & Reason (3 h): COMS 130, COMS 230, PHIL 148, or PHIL 310
- Western Civilization (6 h): HWC 204/114 HWC 205/115
- Principal course and/or second language requirements (No more than one course from each topical subgroup from the principal course list can be applied toward fulfillment of this requirement: http://clas.ku.edu/undergrad/curriculum/principal_courses)
- Social Science (3 h) (SC/SF/SI): Humanities (3 h) (HL/HR/HT):
- 3 additional courses in social sciences (SC/SF/SI), humanities (HL/HR/HT), and/or second language: _____ _____ _____

GENERAL SCIENCE REQUIREMENTS (49–51 h)

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|---|--------------------------|---|---|
| BIOL 150/151 Prin Molecular & Cell Biology (4) | <input type="checkbox"/> | PHSX 114 & 115 College Physics I & II (8) OR | <input type="checkbox"/> <input type="checkbox"/> |
| BIOL 350/360 Principles of Genetics (3) | <input type="checkbox"/> | PHSX 211 & 212 (8)/PHSX 211+216 & 212+236^ (9) Gen. Physics I & II | |
| CHEM 184/130 [§] Foundations of Chemistry I (5) | <input type="checkbox"/> | MATH 121 Calculus I (5) OR MATH 115 & 116 Calculus I & II (6) | <input type="checkbox"/> (<input type="checkbox"/>) |
| CHEM 188/135 [§] Foundations of Chemistry II (5) | <input type="checkbox"/> | BIOL 570 Intro to Biostatistics (3) OR MATH 365 Elementary | <input type="checkbox"/> |
| CHEM 624/330 [§] Organic Chemistry I (3) | <input type="checkbox"/> | Statistics (3) OR PSYC 210 Statistics Psychological Research (3) | |
| CHEM 625/331 [§] Organic Chemistry I Lab (2) | <input type="checkbox"/> | BIOL 636 Biochemistry I (3) | <input type="checkbox"/> |
| CHEM 626/335 [§] Organic Chemistry II (3) | <input type="checkbox"/> | BIOL 638 Biochemistry II (3) | <input type="checkbox"/> |
| CHEM 627/336 [§] Organic Chemistry II Lab (2) | <input type="checkbox"/> | | |

[§] CHEM course numbers change beginning Fall 2013. Refer to your Degree Progress Report (DPR) and classes.ku.edu.

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MICROBIOLOGY REQUIREMENTS (29 h)

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|---|--------------------------|---|--------------------------|
| BIOL 400/401 Fundamentals of Microbiology (3) | <input type="checkbox"/> | BIOL 507 Pathogenic Microbiology Laboratory (2) | <input type="checkbox"/> |
| BIOL 402 Fundamentals of Microbiology Lab (2) | <input type="checkbox"/> | BIOL 512 General Virology (3) | <input type="checkbox"/> |
| BIOL 416/536 Cell Structure & Function (3) | <input type="checkbox"/> | BIOL 513 Virology Laboratory (2) | <input type="checkbox"/> |
| BIOL 503 Immunology (3) | <input type="checkbox"/> | BIOL 518 Microbial Genetics (3) | <input type="checkbox"/> |
| BIOL 504 Immunology Laboratory (2) | <input type="checkbox"/> | BIOL 519 Microbial Genetics Laboratory (2) | <input type="checkbox"/> |
| BIOL 506 Pathogenic Microbiology (3) | <input type="checkbox"/> | BIOL 599 Senior Seminar: Current Progress in Microbiology (1) | <input type="checkbox"/> |
- (must be taken Sr yr)

ELECTIVE REQUIREMENTS (6 h): BIOL courses numbered 400 or higher to be selected in consultation with a Microbiology advisor.

- BIOL _____ (__ h) BIOL _____ (__ h) BIOL _____ (__ h)

- At least 120 h (of which 45 must be Jr/Sr h—courses numbered 300 or above) must be completed for graduation. **120 h** **45 Jr/Sr h**
- Completing the minimum degree requirements set forth above results in **117 overall h** and **54 Jr/Sr h**. Double majors must complete ≥ 15 h in the major (i.e., not in General Education Requirements or General Science Requirements) that are *unique* to that major. **117 h** **54 Jr/Sr h**