

B.A. 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 (58 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
- Principal course distribution requirements (see http://clas.ku.edu/undergrad/curriculum/principal_courses):
- Humanities (9 h): Historical Studies (HT) Literature & Arts (HL) Philosophy & Religion (HR)
- Social Sciences (9 h): Society & Culture (SC) Individual Behavior (SI) Public Affairs (SF)
- Second Language (16–20 h or proficiency):
- Western Civilization (6 h): HWC 204/114 HWC 205/115
- Non-western Culture (NW) (3 h) (see <http://clas.ku.edu/undergrad/curriculum/non-western>):
- Principal course in Earth Sciences (NE) or Mathematical Sciences (NM) (in addition to MATH 115 or 121 or BIOL 570) (3 h):

GENERAL SCIENCE REQUIREMENTS (34–36 h)

- BIOL 150/151 Prin Molecular & Cell Biol (4) CHEM 625/331[§] Organic Chemistry I Lab (2)
- BIOL 350/360 Principles of Genetics (3) MATH 115 & 116 Calculus I & II (6) **OR** MATH 121 Calculus I (5) ()
- CHEM 184/130[§] Foundations of Chemistry I (5) PHSX 114 & 115 College Physics I & II (8) **OR**
- CHEM 188/135[§] Foundations of Chemistry II (5) PHSX 211 & 212 (8)/ PHSX 211+216 & 212+236[^] (9) Gen. Physics I & II
- CHEM 622/310[§] Fund Organic Chemistry (3) **OR**
- CHEM 624/330[§] Organic Chemistry I (3)

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

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MICROBIOLOGY CORE REQUIREMENTS (9–10 h)

- BIOL 400/401 Fundamentals Microbiology (3) BIOL 599 Senior Seminar: Current Progress in Microbiology (1)
- BIOL 402 Fund Microbiology Lab (2) (must be taken Sr yr)
- One (3–4 h) of the following two courses:
- BIOL 516 Microbial Physiology (3) BIOL 600 Introductory Biochemistry, Lectures (4)

MICROBIOLOGY ELECTIVES AND LABORATORY REQUIREMENTS (15 h)

- 15 h of Microbiology courses, including 3 lab courses, selected from the following:**
- BIOL 503 Immunology (3) BIOL 513 Virology Laboratory (2)
- BIOL 504 Immunology Laboratory (2) BIOL 517 Microbial Physiology Laboratory (2)
- BIOL 506 Pathogenic Microbiology (3) BIOL 518 Microbial Genetics (3)
- BIOL 507 Pathogenic Microbiology Lab (2) BIOL 519 Microbial Genetics Laboratory (2)
- BIOL 512 General Virology (3)

ELECTIVE REQUIREMENTS (3 h): BIOL courses numbered 400 or higher, to be selected in consultation with a Microbiology advisor.

- 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 **119 overall h** and **35 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. **119 h** **35 Jr/Sr h**