B.A. MICROBIOLOGY
Use this check sheet with your Degree Progress Report (DPR).

☐ To learn about requirements for admission to the major, please visit: http://www.kuub.ku.edu/admission

**KU CORE REQUIREMENTS** See https://kucore.ku.edu/fulfilling-the-core for approved KU Core courses and/or experiences.

**Goal 1. Critical Thinking & Quantitative Literacy**
Outcome 1 (Can be satisfied by degree reqs.)

**Goal 2. Communication**
Outcome 1 ☐  ☑  (2 units of Outcome 1 satisfied by “First-year Writing” BA degree req of ENGL 101/equiv ACT/SAT/AP* and “Critical Reading & Writing” BA degree req of ENGL 102/105/AP.)

Outcome 2  ☑

**Goal 3. Breadth of Knowledge**
Arts & Humanities ☐  Social Sciences ☐  Natural Sciences (Can be satisfied by degree reqs.)

**Goal 4. Culture & Diversity**
Outcome 1 ☐  Outcome 2 ☐

**Goal 5. Social Responsibility & Ethics**
☐

**Goal 6. Integration & Creativity**
(Anchors, Goals, and Core courses and/or experiences.

Second Language Proficiency/Third-level & Additional Foreign Language Course. ☐  ☐ Demonstrate equivalent of initial 4 semesters in a language other than English OR demonstrate equivalent of initial 3 semesters of study in one language AND the equivalent of the initial semester of study in another language.

* Students who place in ENGL 102/105 by examination must complete ENGL 102/105 and another course meeting Goal 2, Learning Outcome 1 of the KU Core.

**GENERAL SCIENCE REQUIREMENTS** (39–43 h)

- BIOL 105  Biology Orientation Seminar (1)
- BIOL 150 /151  Prin Molecular & Cell Biol (4)
- BIOL 350/360  Principles of Genetics (4)
- CHEM 130  Foundations of Chemistry I (5)
- CHEM 310  Fund Organic Chemistry (3)  OR
- CHEM 330  Organic Chemistry I (3)
- CHEM 331  Organic Chemistry I Lab (2)
- CHEM 332  Organic Chemistry II (5)
- MATH 115 & 116  Calculus I & II (6)  OR  MATH 121  Calculus I (5)  OR
- MATH 125  Calculus I (4)
- MATH 115 & 116  Calculus I & II (8)  OR
- MATH 211 & 212  Calculus I & II (9)
- PHSX 114 & 115  College Physics I & II (8)  OR
- PHSX 211+216 & 212+216  General Physics I & II (9)

**MICROBIOLOGY CORE REQUIREMENTS** (9–10 h)

- BIOL 400/401  Fundamentals of Microbiology (3)
- BIOL 502  Fund Microbiology Lab (2)
- BIOL 507  Pathogenic Microbiology Lab (2)
- CHEM 101  Fundamentals of Microbiology (3)  OR
- BIOL 503  Immunology (3)
- BIOL 504  Immunology Laboratory (2)
- BIOL 506  Bacterial Infectious Diseases / Pathogenic Microbiology (3)
- BIOL 509  Sr Seminar: Current Prog Microbiology (1)  (must be taken Sr yr)
- BIOL 512  General Virology (3)
- BIOL 513  Virology Laboratory (2)
- BIOL 518  Microbial Genetics (3)
- BIOL 519  Microbial Genetics Laboratory (2)
- BIOL 599  Sr Seminar: Current Prog Microbiology I (1)
- BIOL 600  Introductory Biochemistry, Lectures (3-4)

**MICROBIOLOGY ELECTIVES AND LABORATORY REQUIREMENTS** (15 h)

15 h of Microbiology courses, including 3 lecture-lab pairings, selected from the following:

- BIOL 507  Pathogenic Microbiology Lab (2)

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

- BIOL ______ ( __ h)  ☐  BIOL ______ ( __ h)  ☐

- Completing the minimum General Science and major requirements set forth above results in 63 overall h and 36 Jr/Sr h. Double majors must complete ≥ 15 h in the major (i.e., not in Core Reqs or General Science Reqs) that are unique to that major.

- At least 120 h (of which 45 must be Jr/Sr h)—courses numbered 300 or above must be completed for graduation.