

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.) Outcome 2 (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 (Can be satisfied by degree reqs.)
- 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)

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| BIOL 105 Biology Orientation Seminar (1) <input type="checkbox"/> | CHEM 310 Fundamentals of Organic Chemistry (3) OR <input type="checkbox"/> |
| BIOL 150/151 Prin Molecular & Cell Biol (4) <input type="checkbox"/> | CHEM 330 Organic Chemistry I (3) <input type="checkbox"/> |
| BIOL 350/360 Principles of Genetics (4) <input type="checkbox"/> | CHEM 331 Organic Chemistry I Lab (2) <input type="checkbox"/> |
| BIOL 600 Introd Biochemistry, Lectures (3-4) <input type="checkbox"/> | MATH 115 & 116 Calculus I & II (6) OR MATH 121 Calculus I (5) OR <input type="checkbox"/> (<input type="checkbox"/>) |
| CHEM 130 Foundations of Chemistry I (5) <input type="checkbox"/> | MATH 125 Calculus I (4) <input type="checkbox"/> |
| CHEM 135 Foundations of Chemistry II (5) <input type="checkbox"/> | PHSX 114 & 115 College Physics I & II (8) OR <input type="checkbox"/> <input type="checkbox"/> |
| | PHSX 211+216 & 212+236 General Physics I & II (9) <input type="checkbox"/> |

MICROBIOLOGY CORE REQUIREMENTS (6 h)

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| BIOL 400/401 Fundamentals of Microbiology (3) <input type="checkbox"/> | BIOL 599 Senior Seminar: Current Progress in Microbiology (1) <input type="checkbox"/> |
| BIOL 402 Fund Microbiology Lab (2) <input type="checkbox"/> | (must be taken Sr yr) |

MICROBIOLOGY ELECTIVES AND LABORATORY REQUIREMENTS (15 h)

- 15 h of Microbiology courses, including 3 lecture-lab pairings, selected from the following:**
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| BIOL 503 Immunology (3) | BIOL 512 General Virology (3) |
| BIOL 504 Immunology Laboratory (2) | BIOL 513 Virology Laboratory (2) |
| BIOL 506 Bacterial Infectious Diseases / Pathogenic Microbiology (3) | BIOL 518 Microbial Genetics (3) |
| BIOL 507 Pathogenic Microbiology Lab (2) | BIOL 519 Microbial Genetics Laboratory (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. **63 h** **36 Jr/Sr 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**