B.S. 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 ☐ ☐	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.)*	

GENERAL SCIENCE REQUIREMENTS *(51–53 h)*

BIOL 105 Biology Orientation Seminar (1)	☐	CHEM 330 Organic Chemistry I (3)	☐
BIOL 150/151 Prin Molecular & Cell Biology (4)	☐	CHEM 331 Organic Chemistry I Lab (2)	☐
BIOL 350/360 Principles of Genetics (4)	☐	CHEM 335 Organic Chemistry II (3)	☐
BIOL 570 Intro to Biostatistics (3) ***OR*** MATH 365	☐	CHEM 336 Organic Chemistry II Lab (2)	☐
Elem Statistics (3) ***OR*** PSYC 210 Stats Psyc Res (3)		MATH 115 & 116 Calculus I & II (6) ***OR***	☐ (☐)
BIOL 636 Biochemistry I (3)	☐	MATH 121 Calculus I (5) ***OR*** MATH 125 Calculus I (4)	
BIOL 638 Biochemistry II (3)	☐	PHSX 114 & 115 College Physics I & II (8) ***OR***	☐ ☐
CHEM 130 Foundations of Chemistry I (5)	☐	PHSX 211+216 & 212+236 General Physics I & II (9)	
CHEM 135 Foundations of Chemistry II (5)	☐		

MICROBIOLOGY REQUIREMENTS (29 h)

BIOL 400/401 Fundamentals of Microbiology (3)	☐	BIOL 507 Pathogenic Microbiology Laboratory (2)	☐
BIOL 402 Fundamentals of Microbiology Lab (2)	☐	BIOL 512 General Virology (3)	☐
BIOL 416/536 Cell Structure & Function (3)	☐	BIOL 513 Virology Laboratory (2)	☐
BIOL 503 Immunology (3)	☐	BIOL 518 Microbial Genetics (3)	☐
BIOL 504 Immunology Laboratory (2)	☐	BIOL 519 Microbial Genetics Laboratory (2)	☐
BIOL 506 Bacterial Infectious Diseases / Pathogenic Microbiology (3)	☐	BIOL 599 Senior Seminar: Current Progress in Microbiology (1) (*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) ☐

- **Completing the minimum General Science and major requirements** set forth above results in **86 overall h** and **55 Jr/Sr h.** Double majors must complete ≥ 15 h in the major (i.e., not in Core/Gen Ed Reqs or General Science Reqs) that are *unique* to that major. **86 h ☐ 55 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 ☐**