

B.S. IN MICROBIOLOGY – DEGREE REQUIREMENT CHECK SHEET for students who matriculated summer 2023 through spring 2024

Student Name/ID: _____

Purpose: _____

Date: _____

Credit hours:

Currently enrolled in: _____ semester: _____

Currently enrolled in: _____ semester: _____

AFTER SUCCESSFUL COMPLETION OF CURRENT ENROLLMENT, YOU NEED THE FOLLOWING:**IUB GENERAL EDUCATION REQUIREMENTS:**Foundations:☐ English Composition (minimum grade of C required)☐ Mathematical Modeling (fulfilled by major)Breadth of Inquiry:☐ Arts & Humanities (A&H)–6 credits; need: _____☐ Social & Historical (S&H)–6 credits; need: _____☐ Natural & Mathematical (N&M)–(fulfilled by major)World Languages & Cultures:☐ World Language–4th semester proficiency**OR** World Cultures–6 credits**OR** Approved international experience

GenEd residency complete: Yes No If no, you need: _____

TOTAL HOURS REQUIREMENTS:

	Required	Complete	Needed
Major Hours	35		
Total College Hours	100		
Total Credit Hours	120		
300-499 level Hours	36		
IUB COLL Res. after 60 Hours	36		

IPRP (in-progress repeated course): Yes No

If yes, credit hours showing as needed in your AAR may not be accurate. Ask an advisor!

College GPA of at least 2.000 is required. _____**CASE REQUIREMENTS:**☐ Public Oral Communication (COLL-P 155)☐ English Composition☐ Mathematical Modeling (fulfilled by major)☐ Critical Approaches to the Arts and Sciences–must be done at IUB☐ CASE A&H–2 courses; will count 2 GenEd A&H here; need: _____☐ CASE S&H–2 courses; will count 2 GenEd S&H here; need: _____☐ CASE N&M–4 courses; fulfilled by major☐ Intensive Writing (IW)–must be done at IUB inside the College☐ Foreign Language (FL)–3rd semester proficiency☐ CASE Culture Studies: Diversity in U.S. course–must be done at IUB**MICROBIOLOGY MAJOR REQUIREMENTS:***Major requirements must be completed with a C- or better. ★ Chemistry, physics, statistics, and math Addenda Requirements must be completed with a C- or better, but they do not count toward major GPA or major hours.*☐ 35 major hours: _____ needed☐ 18 major hours at 300-499 level: _____ needed☐ 18 major hours at IUB: _____ needed☐ Major GPA \geq 2.000. Major GPA: _____**BIOLOGY**☐ BIOL-L 112☐ BIOL-L 211☐ BIOL-M 250☐ BIOL-M 315 **OR** BIOL-M 316 [ASURE students: BIOT-X 150, or **approved topic** of BIOL-X 150]*See lists on reverse and fill in courses below:*☐ 3 Advanced Lectures:☐ _____☐ _____☐ _____☐ 3 Advanced Labs:☐ _____☐ _____☐ _____☐ 2 Advanced Elective Lectures:☐ _____☐ _____**★ CHEMISTRY**☐ CHEM-C 117 and CHEM-C 127☐ CHEM-C 341☐ CHEM-C 342☐ CHEM-C 343**★ PHYSICS**☐ PHYS-P 201☐ PHYS-P 202**★ STATISTICS**☐ EAS-E 314, LAMP-L 316, MATH-M 365, PSY-K 300, PSY-K 310, SOC-S 371, SPEA-K 300, SPH-Q 381, STAT-S 300, **OR** STAT-S 303**★ MATH**☐ MATH-M 211 **OR** MATH-M 119 and MATH-M 120 **OR** MATH-V 119 and MATH-M 120

Advanced Lecture list

Complete **three (3)** Advanced Lectures:

- BIOL-L 321 *Human Immunology* (3 cr., spring)
- BIOL-L 472 *Microbiomes: Host and Environmental Health* (3 cr., spring)
- BIOL-M 350 *Microbial Physiology and Biochemistry* (3 cr., spring)
- BIOL-M 430 *Virology Lecture* (3 cr., spring)
- BIOL-M 440 *Medical Microbiology: Lecture* (3 cr., fall)
- BIOL-M 460 *Microbial Evolution* (3 cr., rarely offered)
- BIOL-M 480 *Microbial and Molecular Genetics* (3 cr., fall)

Advanced Lab list

Complete **three (3)** Advanced Labs:

- BIOL-L 323 *Molecular Biology Lab* (3 cr., fall and spring)
- BIOL-M 360 *Microbial Physiology Lab* (3 cr., spring, sometimes fall)
- BIOL-M 375 *Human Parasitology* (4 cr., spring) **OR**
MSCI-M 375 *Parasitology* (4 cr., spring)
- BIOL-M 435 *Viral Tissue Culture Lab* (3 cr., spring, P or C: BIOL-M 430)
- BIOL-M 445 *Medical Microbiology: Lab* (3 cr., fall, P or C: BIOL-M 440)
- BIOL-M 465 *Environmental Microbiology Lab* (3 cr., variable)
- BIOL-M 485 *Microbial and Molecular Genetics Lab* (3 cr., variable)
- BIOT-T 315 *Biotechnology Lab* (3 cr., fall and spring)
- BIOT-T 425 *Lab in Macromolecular Prod., Purification, & Character.* (3 cr., fall)
- ASURE students only: BIOL-X 325 *Biology Research Lab 2* (3 cr., **approval of D.U.S. required**)
- ASURE students only: BIOT-X 325 *Biotechnology Research Lab 2* (4 cr.)

Advanced Elective Lecture list

Complete **two (2)** Advanced Elective Lectures:

- Additional course(s) from Advanced Lecture list above
- BIOL-L 312 *Cell Biology* (3 cr., fall and spring)
- BIOL-M 375 *Human Parasitology* (4 cr., spring) **OR**
MSCI-M 375 *Parasitology* (4 cr., spring)
- BIOL-M 416 *Biology of AIDS* (3 cr., rarely offered)
- BIOT-T 310 *Biotechnology Lecture* (3 cr., fall)
- BIOT-T 322 *Biotechnology Writing & Communication* (3 cr., fall and spring)
- CHEM-C 483 *Biological Chemistry* (3 cr., fall and spring) **OR**
CHEM-C 484 *Biomolecules and Catabolism* (3 cr., fall and spring)

★ Microbiology courses are generally offered only in specific semesters (either fall or spring), and they have prerequisites. Always check the [Bulletin](#) and the Schedule of Classes for course information before taking a course. Questions? Email your advisors at bioadv@iu.edu.

Fall _____	Spring _____	Summer _____
Total credit hours:	Total credit hours:	Total credit hours:
Fall _____	Spring _____	Summer _____
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Fall _____	Spring _____	Summer _____
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