

B.A. 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 (*see note under major requirements*)

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: _____

CASE REQUIREMENTS:

- ☐ English Composition ☐ Mathematical Modeling (*see note under major requirements*)
- ☐ Public Oral Communication (COLL-P 155)
- ☐ Critical Approaches to the Arts and Sciences—must be done at IUB
- ☐ CASE A&H—4 courses (will count 2 GenEd A&H here; 2 must be inside College); need: _____
- ☐ CASE S&H—4 courses (will count 2 GenEd S&H here; 2 must be inside College); need: _____
- ☐ CASE N&M—4 courses; fulfilled by major
- ☐ Intensive Writing (IW)—must be done at IUB inside the College
- ☐ Foreign Language (FL)—4th semester proficiency
- ☐ CASE Culture Studies: 1 course Diversity in U.S.—must be done at IUB
- ☐ CASE Culture Studies: 1 course Global Civilizations and Cultures—must be done at IUB

MICROBIOLOGY MAJOR REQUIREMENTS:

Major requirements must be completed with a C- or better. ★ Chemistry and quantitative methods Addenda Requirements must be completed with a C- or better, but they do not count toward major GPA or major hours.

- ☐ 30 major hours: _____ needed ☐ 18 major hours at IUB: _____ needed
- ☐ 18 major hours at 300-499 level: _____ needed ☐ Major GPA \geq 2.000: _____

BIOLOGY

- ☐ BIOL-L 112 ☐ BIOL-L 211
- ☐ BIOL-M 250 **OR** BIOL-M 380

★ CHEMISTRY

- ☐ CHEM-C 117 lecture (*see note below*)
- ☐ CHEM-C 341 **OR** CHEM-R 340

Note: CHEM-C 127 lab is **NOT** required for this degree, but it is recommended for pre-health students.

★ QUANTITATIVE METHODS *

- ☐ **One course:** LAMP-L 316, MATH-M 118, M 119, M 211, M 365, V 118, V 119, PSY-K 300, PSY-K 310, SOC-S 371, SPEA-K 300, STAT-S 300, **OR** STAT-S 303

See lists on reverse and fill in courses below:

- ☐ 2 Microbiology Labs:
- ☐ _____
- ☐ _____
- ☐ 1 Advanced Lecture: _____
- ☐ 3 Advanced Elective Lectures:
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ 1 Advanced Elective Lab: _____

* MATH-M 118, MATH-M 119, MATH-V 118, MATH-V 119, and MATH-M 211 also fulfill GenEd and CASE Mathematical Modeling; the other choices do not.

TOTAL HOURS REQUIREMENTS:

	Required	Complete	Needed
Major Hours	30		
College Hours outside the major	58		
Total College Hours	100		
Total Credit Hours	120		
300-499 level Hours	42		
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. _____

Microbiology Lab list

Complete **two (2)** courses:

- **One of:**
 - BIOL-M 315 *Microbiology Lab* (2 cr.)
 - BIOL-M 316 *Molecular Microbiology Lab* (3 cr., rarely offered)
 - BIOL-X 150 *ASURE Biology Research Lab 1* (4 cr., **approved topics only – ask advisor**)
 - BIOT-X 150 *ASURE Biotechnology Research Lab 1* (3 cr.)
- BIOL-M 360 *Microbial Physiology Lab* (3 cr., spring)
- BIOL-M 435 *Viral Tissue Culture Lab* (3 cr., P or C: BIOL-M 430, spring)
- BIOL-M 445 *Medical Microbiology: Lab* (3 cr., P or C: BIOL-M 440, fall)
- BIOL-M 465 *Environmental Microbiology Lab* (3 cr., variable)
- BIOL-M 485 *Microbial and Molecular Genetics Lab* (3 cr., variable)
- BIOL-X 325 *ASURE Biology Research Lab 2* (3 cr., **approved topics only – ask advisor**)
- BIOT-X 325 *ASURE Biotechnology Research Lab 2* (3 cr.)

Advanced Lecture list

Complete **one (1)** Advanced Lecture:

- 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* (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 Elective Lecture list

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

- Additional course(s) from Advanced Lecture list above
- BIOL-L 311 *Genetics* (3 cr., fall, spring, and summer)
- 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)

Advanced Elective Lab list

Complete **one (1)** Advanced Elective Lab:

- Additional course from Microbiology Lab list
- BIOL-M 375 *Human Parasitology* (4 cr., spring) **OR**
MSCI-M 375 *Parasitology* (4 cr., spring)
- BIOT-T 315 *Biotechnology Lab* (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 _____
Total credit hours:	Total credit hours:	Total credit hours:
Fall _____	Spring _____	Summer _____
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