

B.S. IN MICROBIOLOGY – DEGREE REQUIREMENT CHECK SHEET for students who matriculated summer 2020 through spring 2022

Student Name/ID: _____ Purpose: _____ Date: _____

Credit hours:

Currently enrolled in: _____ semester: _____

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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 BIOL hours at IUB: _____ needed
- 18 major hours at 300-499 level: _____ needed Major GPA ≥ 2.000. Major GPA: _____

BIOLOGY

- BIOL-L 112 BIOL-L 211
- BIOL-M 250
- BIOL-M 315 **OR** BIOL-M 316 [ASURE students: approved topic of BIOL-X 150 or BIOT-X 150]

See lists on reverse and fill in courses below:

- 3 Advanced Lectures:
 - _____
 - _____
 - _____
- 2 Advanced Labs:
 - _____
 - _____
- 2 Advanced Elective Lectures:
 - _____
 - _____
- 1 Advanced Elective Lab:
 - _____

★ 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, 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 **two (2)** Advanced Labs:

- BIOL-M 360 *Microbial Physiology Lab* (3 cr., spring, sometimes fall)
- 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)
- 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., spring)
- 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 Advanced Lab list above
- 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 _____
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Fall _____	Spring _____	Summer _____
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