# B.S. in Microbiology — Degree Requirement Check Sheet

**Purpose:** ______________________________

**Date:** ___________________

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## Credit Hours:
- **Currently enrolled in:** _____ semester: ____________
- **Currently enrolled in:** _____ semester: ____________

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## 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**

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## 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.**

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## 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

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## Total Hours Requirements:

<table>
<thead>
<tr>
<th>Type of Hours</th>
<th>Required</th>
<th>Complete</th>
<th>Needed</th>
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<tbody>
<tr>
<td>Major Hours</td>
<td>35</td>
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</tr>
<tr>
<td>Total College Hours</td>
<td>100</td>
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<tr>
<td>Total Credit Hours</td>
<td>120</td>
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<tr>
<td>300-499 level Hours</td>
<td>36</td>
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<td>IUB COLL Res. after 60 Hours</td>
<td>36</td>
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## IPRP (in-progress repeated course): Yes No

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

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**College GPA of at least 2.000 is required. _____**
**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.

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<thead>
<tr>
<th></th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td><strong>Fall Total</strong></td>
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<tr>
<td><strong>Spring Total</strong></td>
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<tr>
<td><strong>Summer Total</strong></td>
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Total credit hours: