

Department of Biology Graduation Checklist

LD= _____ Student: _____ E-mail _____
 UD= _____ Last First
 Advisor: _____

BACHELOR OF SCIENCE IN BIOLOGY: CONCENTRATION IN MICROBIOLOGY

| Lower Division Requirements (35-36 units) | | Units | ✓ | Equiv. Form if any (✓) |
|---|--|-------|---|---------------------------|
| BIOL 230 | Introductory Biology I | 5 | | |
| BIOL 240 | Introductory Biology II | 5 | | |
| CHEM 115 | General Chemistry I: Essential Concepts of Chemistry | 5 | | |
| CHEM 215/216 | General Chemistry II: Quantitative Appl. of Chem. Concepts (3-2) | 5 | | |
| MATH 226 | Calculus I | 4 | | |

One course from the following (3-4):

| | | | | |
|----------|-----------------------------------|--|--|--|
| MATH 124 | Elementary Statistics (3) | | | |
| MATH 227 | Calculus II (4) | | | |
| MATH 228 | Calculus III (4) | | | |
| CSC 210 | Intro to Computer Programming (3) | | | |
| BIOL 458 | Biometry (4) | | | |

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|--------------|---|---|--|--|
| PHYS 111/112 | General Physics I and Laboratory (3/1) | 4 | | |
| PHYS 121/122 | General Physics II and Laboratory (3/1) | 4 | | |

Total lower division requirements:..... 35-36

Upper Division Requirements (33 units)

| | | | | |
|--------------|---|---|--|--|
| BIOL 355 | Genetics | 3 | | |
| BIOL 401/402 | General Microbiology and Laboratory (3-2) | 5 | | |
| BIOL 442/443 | Microbial Physiology and Laboratory (3-2) | 5 | | |
| CHEM 333 | Organic Chemistry I | 3 | | |
| CHEM 335 | Organic Chemistry II | 3 | | |

One course from the following (3):

| | | | | |
|----------|--------------------------|--|--|--|
| CHEM 340 | Biochemistry I (3) | | | |
| CHEM 349 | General Biochemistry (3) | | | |

Electives (i.e., BIOL 411-454) including at least two laboratory courses with approval of an advisor (11)

| Course Num. | Course Title | Units |
|-------------|--------------|-------|
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|---|-----------------------|---------------------------|
| Total upper division requirements: | Required 33 | Completed _____ |
| Total units for major | 68-69 | _____ |