

## Department of Biology Graduation Checklist

LD= \_\_\_\_\_ Student: \_\_\_\_\_ E-mail \_\_\_\_\_  
 UD= \_\_\_\_\_ Last First  
 Advisor: \_\_\_\_\_

### BACHELOR OF SCIENCE IN BIOLOGY: CONCENTRATION IN MICROBIOLOGY

<b>Lower Division Requirements (35-36 units)</b>		<i>Units</i>	<input type="checkbox"/>	<i>Equiv. Form if any (✓)</i>
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		

**Units selected 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)			

PHYS 111/112	General Physics I and Laboratory (3/1)	4		
PHYS 121/122	General Physics II and Laboratory (3/1)	4		
<b>Total lower division requirements:.....</b>		<b>35-36</b>		

**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		

**Units selected 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)*

<i>Course Num.</i>	<i>Course Title</i>	<i>Units</i>

<b>Total upper division requirements:</b>	<b>33</b>	<i>Completed</i>
<b>Total units for major</b>	<b>68-69</b>	_____