

Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_  
Date Admitted Into Major: \_\_\_\_\_

## BACHELOR OF ARTS BIOLOGY

GENERAL EDUCATION REQUIREMENTS				
<b>Competencies</b>				
<input type="checkbox"/> ♦ Basic College Math				
<input type="checkbox"/> ♦ Reading Comprehension				
<b>♣ General Education Categories (34-35 credits total)</b>				
♦FYS	First Year Seminar			3
♦W-I	Written Communication - Level I			3
♦OC	Oral Communication			3
PGR	Personal Growth & Responsibility			3
CEA	Creative Expression & Appreciation			3
WC	World Cultures			3
HP	The Human Past			3
CS	Contemporary Society			3
SR	Scientific Reasoning:	# Any SR course		3-4
		# SR Lab course		4
QR	Quantitative Reasoning			3
<b>‡ Written Communication (Level II and Level III) and Diversity, Power Dynamics and Social Justice</b>				
W-II	Written Communication - Level II			<input type="checkbox"/>
W-III	Written Communication - Level III			<input type="checkbox"/>
DPDS	Diversity, Power Dynamics and Social Justice			<input type="checkbox"/>
<b>Foreign Language (0-12 Credits total)</b>				
<b>▶ † Free Electives/Minor (12 credits minimum)</b>				
May be necessary to take additional credits to attain the minimum 120 credits required for graduation depending on choices made for general education or minor selection.				

COURSES IN MAJOR (42-45 credits total)				
<b>Required (36-37 credits)</b>				
BIO	131	Introduction to Organisms	4	
BIO	132	Introduction to Cells	4	
BIO	212	Cell Biology	4	
BIO	217	General Genetics	3	
BIO	218	Ecology & the Environment	3	
BIO	219	Evolution	3	
BIO		+Populations/Ecosystems Elective	3-4	
BIO		+ Organismal/Physiology Elective	3-4	
BIO		+ Cellular/Molecular Elective	3-4	
<b>Biology Capstone Courses</b>				
BIO	415	Biology Seminar	3	
BIO		♣ Capstone Elective-Check Box	<input type="checkbox"/>	
BIO	419	∞Biology Portfolio Seminar	1	
<b>† Free Biology Electives (6-8 credits)</b>				
BIO		Biology Elective	3-4	
BIO		Biology Elective	3-4	
<b>▼ Required Math Support Courses (3-4 credits)</b>				
MAT or MAT	150 or 220	Precalculus or Calculus I	3-4	
<b>▼ Required Chemistry Support Courses (12 Credits)</b>				
CHE	130	General Chemistry I	4	
CHE	131	General Chemistry II	4	
CHE	212	Organic Chemistry I	4	
		∞ Recommended Additional Chemistry (4 credits)		
CHE	213	Organic Chemistry II	4	
<b>∞ Minor (Optional):</b>				

▼ Students may choose to use support courses to satisfy general education categories, but may not be required to do so. **Note:** If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.

- ♣ Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and general education requirements.
- # These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline
- ‡ Level II, Level III Written Communications and Diversity, Power Dynamics and Social Justice Courses may be used to satisfy requirements anywhere else in a student's program of study where they may apply. The credits are counted only in one area.
- + One Biology elective must be chosen from each group (Population/Ecosystems, Organismal/Physiology, Cellular/Molecular) and then any two more 300-400 level electives. At least two of these must have a lab.
- † Free Electives can be any course, including Biology ones, offered by Salem State university
- ♣ Capstone Elective can include certain courses (BIO300 Botany, BIO313 Molecular Biology, BIO323 Fish Biology, BIO325 Behavioral Ecology, BIO345 Introduction to Aquaculture, BIO407 Directed Study, BIO408 Research in Biology, BIO416 Biology Internship), independent studies, internships, study abroad, service learning and other courses - approval required of the chairperson of Biology.
- ∞ It is recommended that students complete CHE213 and earn a chemistry minor
- ▶ B.A. Biology majors are strongly urged to elect a Computer Science course and one year of Physics.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

Exceptions in the timing of courses will be made for transfer students

**Total credits for graduation: 120**

**Effective: 9/2020**