

## 2019-20 Biology BS Checklist

Name \_\_\_\_\_  
 Student ID \_\_\_\_\_  
 Date \_\_\_\_\_

### GENERAL EDUCATION

#### I. Foundational Intellectual Skills (12-13 hours)

- \_\_\_ FYS110 First Year Seminar
- \_\_\_ ENG112 Writing, Research, Genre & Context
- \_\_\_ COM101 Public Speaking
- \_\_\_ Mathematics (MAT215)

#### II. Knowledge Acquisition (19-20 hours)

- \_\_\_ Science 1XX with lab (BIO202)
- \_\_\_ HUM210 Humanities Survey Course
- \_\_\_ PHL130 Human Nature & Person
- \_\_\_ Foreign Language

#### One course from each group A and B:

##### Group A

- \_\_\_ ECN200 Introductory Economics
- \_\_\_ HIS102 History of the Modern World
- \_\_\_ POL102 Introduction to American Politics

##### Group B

- \_\_\_ PSY101 General Psychology
- \_\_\_ PSY220 Human Growth and Development
- \_\_\_ GST200 Introduction to Gender Studies
- \_\_\_ SOC101 Introduction to Sociology
- \_\_\_ SOC175 Introduction to Anthropology

#### III. Faith, Ethics, and Foundation (6 hours)

- \_\_\_ THL105 Introduction to Theology
- \_\_\_ Second Approved THL

#### IV. Greater Depth Cluster

- a. Completion of a minor or second major outside school (or department if College of Arts & Sciences)
- b. Completion of an interdisciplinary minor or concentration outside the first major. See catalog for approved programs.
- c. Focus on a specific theme (cluster) outside the major. See catalog for cluster course areas

**Total Earned General Education Hours** \_\_\_\_\_

### BIOLOGY MAJOR REQUIREMENTS (60 hours)

#### Core Courses

___ BIO202 Evolution and Ecology	4
___ BIO203 Molecular Genetics	4
___ BIO204 Cell Biology	4
___ BIO205 Experimental Design and Statistical Analysis for Biologists	4
___ BIO291 Biology Career Seminar	1
___ BIO490 Biology Seminar	1
___ BIO491 Biology Capstone	1
___ CHE151 General Chemistry I	4
___ CHE152 General Chemistry II	4
___ CHE305 Organic Chemistry I	4
___ CHE306 Organic Chemistry II	4
___ MAT215 Fundamentals and Special Applications of Calculus	3
___ PHY110 General Physics I	4
___ PHY111 General Physics II	4

At least 12 credits in biology above 200 level with at least 6 credits at 300 level or above

- \_\_\_ BIO elective
- \_\_\_ BIO elective
- \_\_\_ BIO 300-level elective
- \_\_\_ BIO 300-level elective

**Total Earned Major Hours** \_\_\_\_\_

#### ELECTIVE/MINOR

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Total Earned Minor/Elective Hours** \_\_\_\_\_

**TOTAL OVERALL EARNED HOURS** \_\_\_\_\_

# MARIAN UNIVERSITY

Indianapolis®

## 2019-20 Biology Major Sample Four Year Plan

Freshman Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
General Education	FYS110	3		Major	BIO203	4	C
Major/Gen. Ed.	BIO202	4	C	Major	CHE152	4	
Major	CHE151	4		Major	MAT215	3	
General Education	Foreign Language	4		General Education	ENG112	3	
				General Education	COM101	3	
<b>Semester Hours</b>	<b>15</b>			<b>Semester Hours</b>	<b>17</b>		
<b>Cumulative Hours</b>	<b>15</b>			<b>Cumulative Hours</b>	<b>32</b>		
Sophomore Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	BIO204	4	C	Major	BIO205	4	C
Major	CHE305	4		Major	BIO291	1	C
Major	PHY110	4		Major	CHE306	4	
General Education	GST/PSY/SOC	3		Major	PHY111	4	
Minor/Elective/GDC		1		General Education	ECN/HIS/POL	3	
<b>Semester Hours</b>	<b>16</b>			<b>Semester Hours</b>	<b>16</b>		
<b>Cumulative Hours</b>	<b>48</b>			<b>Cumulative Hours</b>	<b>64</b>		
Junior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	Elective	4	C	Major	Elective	4	C
General Education	HUM210	3		General Education	THL105	3	
General Education	PHL130	3		Minor/Elective/GDC		3	
Minor/Elective/GDC		3		Minor/Elective/GDC		3	
Minor/Elective/GDC		3		Minor/Elective/GDC		3	
<b>Semester Hours</b>	<b>16</b>			<b>Semester Hours</b>	<b>16</b>		
<b>Cumulative Hours</b>	<b>80</b>			<b>Cumulative Hours</b>	<b>96</b>		
Senior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major	BIO490	1	C	Major	Elective	4	C
Major	BIO491	1	C	Minor/Elective/GDC		3	
				Minor/Elective/GDC		3	
Major	Elective	4	C	Minor/Elective/GDC		3	
General Education	Second THL	3		Minor/Elective/GDC		3	
Minor/Elective/GDC		3					
Minor/Elective/GDC		4					
<b>Semester Hours</b>	<b>16</b>			<b>Semester Hours</b>	<b>16</b>		
<b>Cumulative Hours</b>	<b>112</b>			<b>Cumulative Hours</b>	<b>128</b>		

\*A minimum 2.0 cumulative GPA and a minimum 2.0 major GPA are required for graduation, so monitor your GPA closely. To meet degree requirements, some disciplines require higher grades in each course or a higher cumulative GPA.

This four-year plan is only a sample and will vary by student and course availability.