

Marian University 2018 - 2019

Student's Name: _____

Date: _____

Major: Biology (BS)

120 Minimum Credits Required for Graduation

46-49 Liberal Arts Core Curriculum University Requirements

<p>FIRST-YEAR STUDIES - 3 credits - All students entering Marian University <u>with fewer than 24 credits</u> are required to successfully complete GEN 101. Transfer students <u>with 24 or more credits</u> do not need to complete GEN 101.</p> <p>Total # of Transfer Credits: _____ <input type="checkbox"/> Gen 101 required <input type="checkbox"/> Gen 101 <u>not</u> required</p>				
Studies of Natural Sciences and Mathematics	CR	Required LACC if appropriate	CR	GR
Mathematics Common Core	3	see General Ed. Program requirements		
Lab Science Common Core	4	see General Ed. Program requirements		
Elective Core	3	see General Ed. Program requirements		
Studies of Humanities and the Arts				
Philosophy Common Core	3	PHI 132		
Literature Common Core	3	see General Ed. Program requirements		
Art or Music Common Core	3	see General Ed. Program requirements		
Elective Core	3	see General Ed. Program requirements		
Studies of Social Sciences				
History Common Core	3	HIS 101 or HIS 102		
Sociology or Psychology Common Core	3	see General Ed. Program requirements		
Elective Core	3	see General Ed. Program requirements		
Studies of Applied Liberal Arts				
Expository Writing Common Core	3	ENG 105		
Argumentative & Research Common Core	3	ENG 106		
Elective Core	3	see General Ed. Program requirements		
Studies of Theology				
Theology Common Core	3	THE 101		
Elective Core	3	see General Ed. Program requirements		
Biology Program Specific Requirements				
Comments: Students must complete ½ of the credits in a given major at Marian University if transferring courses in.				
Students must complete 15 credits of upper level coursework in their major at Marian University and accumulate a total of 30 credits of upper level coursework overall (liberal arts, electives, transfer credits, etc.).				
Biology/Middle-Secondary Education students are required to take MAT 122 Intro to Probability and Statistics and MAT 201 Calculus I.				
Biology majors must achieve a 2.50 GPA in all of their Biology coursework before graduation.				

Biology Major

35 credits as follows:

27 credits:

COURSE ID	COURSE TITLE	CR	PREREQUISITES	COURSE CYCLE			ADVISOR COMMENTS	CR	GR
				SEM I	SEM II	SUM			
BIO 010	Biology Seminar I	0		X	X				
BIO 101	Biological Principles I	4		X					
BIO 102	Biological Principles II	4	BIO 101 with a grade of C or higher		X				
BIO 215	Ecology & Evolution	3	BIO 100 or BIO 102 with a grade of C or higher		X				
BIO 300	Biology Literature and Seminar	2	BIO 010	X	X				
BIO 301	Genetics and Lab	4	BIO 100 or BIO 102 with a grade of C or higher	X					
BIO 302	Cell and Molecular Biology	4	BIO 100 or BIO 102, and CHE 201		X				
BIO 311	Molecular and Physiological Microbiology	4	BIO 100 or BIO 102, CHE 201 with a grade of C or higher		X				
BIO 425	Biology Senior Research I	1	BIO 300 with a grade of C or higher	X	X				
BIO 426	Biology Senior Research II	1	BIO 425 with a grade of C or higher	X	X				

Biology Elective 8 credits: Biology/Middle–Secondary Education double majors must take BIO 104 and BIO 231 Botany, which may apply toward their biology electives:

COURSE ID	COURSE TITLE	CR	PREREQUISITES	COURSE CYCLE			ADVISOR COMMENTS	CR	GR
				SEM I	SEM II	SUM			

Course Cycle

X Offered every year

E Offered in even years (2014-15, 2016-17, etc.)

O Offered in odd years (2015-16, 2017-18, etc.)

* Offered at discretion of faculty as needed

W/S Wintermester/Summer

Other Requirements:

19-21 credits:

COURSE ID	COURSE TITLE	CR	PREREQUISITES	COURSE CYCLE			ADVISOR COMMENTS	CR	GR
				SEM I	SEM II	SUM			
CHE 101	Principles of Chemistry I	4	MAT 001 or appropriate math placement test score	X					
CHE 102	Principles of Chemistry II	4	CHE 101 or CHE 105 with a grade of C or higher		X				
CHE 201	Organic Chemistry I	3	CHE 102 with a grade of C or higher	X					
CHE 251	Organic Chemistry I – Lab	1	CHE 201 or concurrent	X					
MAT 111,	Intro to College Algebra	3	MAT 001 or Math Placement Algebra						
MAT 114	Algebra and Trigonometry	4	MAT 111 or Math Placement Algebra						
MAT 201, Or	Calculus I	5	MAT 114 with a grade of C or higher, permission or Math Placement Algebra						
MAT 202	Calculus II	5	MAT 115, MAT 201, or permission or Math Placement Algebra						
MAT 122	Intro to Probability & Statistics	4	MAT 001 or appropriate math placement test score						
or MAT 304	Intro to Mathematical Statistics I	3	MAT 001 or appropriate math placement test score						
or PSY/ BUA 210	Statistical Techniques for Research Data	3	MAT 001 or appropriate math placement test score						
Or CRJ 214	Statistics for Criminology and CJR	3	MAT 001 or appropriate math placement test score						

Course Cycle

X Offered every year

E Offered in even years (2014-15, 2016-17, etc.)

O Offered in odd years (2015-16, 2017-18, etc.)

* Offered at discretion of faculty as needed

W/S Wintermester/Summer

University electives to meet the 120 credits required to graduate:

Biology/Middle-Secondary Education students are required to take MAT 122 Introduction to Probability and Statistics, 4 cr., PHS 108 Earth Science & Lab., 4 cr., PHS 211 Elementary Physics & Lab., 5 cr. or PHS 203 University Physics I & Lab., 5 cr.

COURSE ID	COURSE TITLE	CR	PREREQUISITES	COURSE CYCLE			ADVISOR COMMENTS	CR	GR
				SEM I	SEM II	SUM			

COMPLETION OF DEGREE REQUIREMENTS:

General Requirements

Total number of credits completed (not including remedial courses): _____

Total number of credits completed at Marian (minimum *30): _____

Total number of Upper Level courses completed (minimum of *30): _____

Overall GPA (*2.00 minimum): _____

GPA of Upper Level Courses: _____

Last 30 credits of the degree completed at Marian: Yes No

Major Requirements

Total number of credits completed at Marian within the major (1/2 required): _____

Total number of upper level credits completed within the major (minimum *15): _____

All Additional Majors have at least 15 unique credits: Yes No

GPA of greater than 2.5 in biology classes: _____

Course Cycle
 X Offered every year
 E Offered in even years (2014-15, 2016-17, etc.)
 O Offered in odd years (2015-16, 2017-18, etc.)
 * Offered at discretion of faculty as needed
 W/S Wintermester/Summer