

Marian University 2018 - 2019

Student's Name: _____

Date: _____

Biology Department

Major: Biology-Cytotechnology (BS)

128 Minimum Credits Required for Graduation

46-49 Liberal Arts Core Curriculum University Requirements

<p>FIRST-YEAR STUDIES - 3 credits - All students entering Marian University with fewer than 24 credits are required to successfully complete GEN 101. Transfer students with 24 or more credits do not need to complete GEN 101.</p> <p>Total # of Transfer Credits: _____ <input type="checkbox"/> Gen 101 required <input type="checkbox"/> Gen 101 not required</p>				
Studies of Natural Sciences and Mathematics	CR	Required LACC if appropriate	CR	GR
Mathematics Common Core	4	MAT 122 (recommended)		
Lab Science Common Core	4	BIO 102 (recommended)		
Elective Core	3	CHE 101 (recommended)		
<hr/>				
Studies of Humanities and the Arts	CR	Required LACC courses if appropriate		
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		
<hr/>				
Studies of Social Sciences	CR	Required LACC courses if appropriate		
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		
<hr/>				
Studies of Applied Liberal Arts	CR	Required LACC courses if appropriate		
Expository Writing Common Core	3	ENG 105		
Argumentative & Research Common Core	3	ENG 106		
Elective Core	3	see General Ed. Program requirements		
<hr/>				
Studies of Theology	CR	Required LACC courses if appropriate		
Theology Common Core	3	THE 101		
Elective Core	3	see General Ed. Program requirements		
<hr/>				
Biology Major Specific Requirements	CR			
<hr/>				
<p>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.).</p>				
<p>Biology majors must achieve a 2.50 GPA in all of their Biology coursework before graduation.</p>				

Biology-Cytotechnology Major

38 credits as follows:

35 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		X				
BIO 201	Anatomy & Physiology I	4	BIO 100 or BIO 102 and CHE 101 or CHE 103 or CHE 104	X		X			
BIO 202	Anatomy & Physiology II	4	BIO 201		X	X			
BIO 215	Ecology & Evolution	3	BIO 100 or BIO 102	E					
BIO 300	Biology Literature and Seminar	2	BIO 010	X	X				
BIO 301	Genetics and Lab	4	BIO 100 or BIO 102, and CHE 201	X					
BIO 302	Cell and Molecular Biology	4	BIO 100 or BIO 102		X				
BIO 311	Molecular and Physiological Microbiology	4	BIO 100 or BIO 102; CHE 201		X				
BIO 425	Biology Senior Research I	1	BIO 300	X	X				
BIO 426	Biology Senior Research II	1	BIO 425	X	X				

3 credits from the following:

BIO 402	Virology	3	BIO 100 or BIO 102; CHE 202	*	*				
BIO 422	Immunology	3	BIO 100 or BIO 102; CHE 202	*	*				

Other Requirements:

Course Cycle

X Offered every year

E Offered in even years (2016-17, 2018-19, etc.)

O Offered in odd years (2017-18, 2019-20, etc.)

* Offered at discretion of faculty as needed

W/S Wintermester/Summer

16 credits as follows:									
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	X					
CHE 102	Principles of Chemistry II	4	CHE 101 or CHE 105		X				
CHE 201	Organic Chemistry I	3	CHE 102	X					
CHE 251	Organic Chemistry I – Lab	1	CHE 201 or concurrent	X					
MAT 122	Introduction to Probability and Statistics	4	MAT 001 or appropriate math placement	X	X	X			

36 credits: School of Cytotechnology								CR	GR
CTY 470	Cytotechnology Clinical I	12	Permission						
CYT 475	Cytotechnology Clinical II	12	Permission						
CYT 480	Cytotechnology Clinical III	12	Permission						

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

Biology Majors must achieve an average GPA of 2.5 or higher in biology coursework Yes No

Course Cycle

X Offered every year

E Offered in even years (2016-17, 2018-19, etc.)

O Offered in odd years (2017-18, 2019-20, etc.)

* Offered at discretion of faculty as needed

W/S Wintermester/Summer