MARIAN UNIVERSITY
Indianapolis ®

Name_____
Student ID_____
Date_____

2019-20 Chemistry BS Checklist

GENERAL EDUCATION

I. Foundational Intellectual Skills (12-13 hours)
____FYS110 First Year Seminar
____ENG112 Writing, Research, Genre & Context
____COM101 Public Speaking
____Mathematics

II. Knowledge Acquisition (19-20 hours)
____Science 1XX with lab
____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_____

CHEMSITRY MAJOR REQUIREMENTS (60 hours)

Core Courses

____CHE151 General Chemistry I	4
____CHE152 General Chemistry II	4
____CHE300 Analytical Chemistry	5
____CHE305 Organic Chemistry I	4
____CHE306 Organic Chemistry II	4
____CHE325 Physical Chemistry I	4
____CHE326 Physical Chemistry II	4
____CHE430 Advanced Inorganic Chemistry	3
____CHE490 Chemistry Seminar	2
____MAT230 Calculus I	4
____MAT231 Calculus II	4
____PHY110 General Physics I	4
____PHY111 General Physics II	4
OR	
____PHY201 Mechanics (calculus based)	4
____PHY202 Heat, Electricity, & Optics (calculus based)	4

Two or more hours
____CHE360/460 Internship in Chemistry 2-6
OR
____CHE498 Directed Research 1-4

8 additional MAT/SCI credits at or above 200 level
____MAT/SCI elective
____MAT/SCI elective
____MAT/SCI elective
____ MAT/SCI elective

Total Earned Major Hours_____

ELECTIVE/MINOR

____ _____
____ _____
____ _____

Total Earned Minor/Elective Hours_____

TOTAL OVERALL EARNED HOURS_____

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2019-20 Chemistry BS Major
Sample Four-Year Plan

Freshman Year					
Fall Semester			**Spring Semester**		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
General Education	FYS110	3	Major	CHE152	4
Major/General Education	CHE151	4	Major	MAT231	4
Major/General Education	MAT230	4	Major	PHY110/201	4
General Education	Foreign Language	4	General Education	COM101	3
			General Education	ENG112	3
Semester Hours	**15**		**Semester Hours**	**18**	
Cumulative Hours	**15**		**Cumulative Hours**	**33**	
Sophomore Year					
Fall Semester			**Spring Semester**		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
Major	CHE305	4	Major	CHE306	4
Major	PHY111/202	4	Major	Elective	4
Major	CHE300	5	General Education	ECN/HIS/POL	3
General Education	HUM210	3	General Education	PHL130	3
			Minor/Elective/GDC		2
Semester Hours	**16**		**Semester Hours**	**16**	
Cumulative Hours	**49**		**Cumulative Hours**	**65**	
Junior Year					
Fall Semester			**Spring Semester**		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
Major	CHE325	4	Major	CHE326	4
General Education	GST/PSY/SOC	3	Major	Elective	4
General Education	THL105	3	Major	CHE360/498	2
Minor/Elective/GDC		3	General Education	Second THL	3
Minor/Elective/GDC		3	Minor/Elective/GDC		3
Semester Hours	**16**		**Semester Hours**	**16**	
Cumulative Hours	**81**		**Cumulative Hours**	**97**	
Senior Year					
Fall Semester			**Spring Semester**		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
Major	CHE 490	2	Major	CHE 430	3
Major	Elective	4	Minor/Elective/GDC		3
Minor/Elective/GDC		3	Minor/Elective/GDC		3
Minor/Elective/GDC		3	Minor/Elective/GDC		3
Minor/Elective/GDC		3	Minor/Elective/GDC		4
Semester Hours	**15**		**Semester Hours**	**16**	
Cumulative Hours	**112**		**Cumulative Hours**	**128**	

*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.