

2020-21 Chemistry BS Checklist

Name _____
 Student ID _____
 Date _____

GENERAL EDUCATION

I. Foundational Intellectual Skills (12-13 hours)

- ___ FYS110 First Year Seminar
 ___ ENG112 Writing and Community
 ___ COM101 Public Speaking
 ___ Mathematics (MAT230)

II. Knowledge Acquisition (19-20 hours)

- ___ Science with lab (CHE151)
 ___ HUM210 Meaning Through Culture
 ___ PHL130 Human Nature & Person
 ___ Foreign Language

One course from each group A and B:

Group A

- ___ BUS109 Business Plan Competition
 ___ 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

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

Total Earned General Education Hours _____

CHEMISTRY 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

Total Earned Major Hours _____

ELECTIVE/MINOR

Total Earned Minor/Elective Hours _____

TOTAL OVERALL EARNED HOURS _____

MARIAN UNIVERSITY

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2020-21 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	BUS/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.