

## 2020-21 Chemistry BA 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

- 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 \_\_\_\_\_

### CHEMISTRY MAJOR REQUIREMENTS (50 hours)

#### Core Courses

___ CHE151 General Chemistry I	4
___ CHE152 General Chemistry II	4
___ CHE300 Analytical Chemistry	5
___ CHE305 Organic Chemistry I	4
___ CHE325 Physical Chemistry I	4
___ 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

11 additional CHE credits above 152 level

- \_\_\_ CHE elective
- \_\_\_ CHE elective
- \_\_\_ CHE elective
- \_\_\_ CHE elective

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

#### ELECTIVE/MINOR

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

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

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

# MARIAN UNIVERSITY

Indianapolis®

## 2020-21 Chemistry BA Major Sample Four-Year Plan

Freshman Year					
Fall Semester			Spring Semester		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
General Education	FYS 110	3	Major	CHE 152	4
Major/General Education	CHE 151	4	Major	PHY 110/201	4
Major/General Education	MAT 230	4	General Education	COM 101	3
General Education	Foreign Language	4	General Education	ENG 112	3
			Major/General Education	MAT 231	4
<b>Semester Hours</b>	<b>15</b>		<b>Semester Hours</b>	<b>18</b>	
<b>Cumulative Hours</b>	<b>15</b>		<b>Cumulative Hours</b>	<b>33</b>	
Sophomore Year					
Fall Semester			Spring Semester		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
Major	CHE 305	4	Major	Elective	4
Major	PHY 111/202	4	General Education	HUM 210	3
Major	CHE 300	5	General Education	BUS/ECN/HIS/POL	3
General Education	PHL 130	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>49</b>		<b>Cumulative Hours</b>	<b>65</b>	
Junior Year					
Fall Semester			Spring Semester		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
Major	CHE 325	4	Major	Elective	4
General Education	GST/PSY/SOC	3	General Education	Second THL	3
General Education	THL 105	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>81</b>		<b>Cumulative Hours</b>	<b>97</b>	
Senior Year					
Fall Semester			Spring Semester		
Requirement Category	Course	Credit Hours	Requirement Category	Course	Credit Hours
Major	CHE 490	2	Major	Elective	3
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	Minor/Elective/GDC		4
<b>Semester Hours</b>	<b>15</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.