

**2020-21 Chemistry and Secondary Education + Masters of Arts and Teaching**

**GENERAL EDUCATION**

**I. Foundational Intellectual Skills (12-13 hours)**

- \_\_\_ FYS110 First Year Seminar
- \_\_\_ ENG112 Writing and Community
- \_\_\_ COM101 Public Speaking
- \_\_\_ Mathematics

**II. Knowledge Acquisition (19-20 hours)**

- \_\_\_ Science 1XX with lab
- \_\_\_ HUM210 Meaning Through Culture
- \_\_\_ PHL 130 Human Nature & Person

**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 General Psychology (required for Education majors)
- \_\_\_ 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** \_\_\_\_\_

**MAJOR 1 REQUIREMENTS (33 hours)**

- \_\_\_ EDU 190 Critical Service Learning I
- \_\_\_ EDU 224 Protocols of Effective Classroom Observation
- \_\_\_ SPD 230 Introduction to Special Education for General Education Teachers
- \_\_\_ EDU 290 Critical Service Learning II
- \_\_\_ EDU 307 Science of Learning
- \_\_\_ EDU 318 English Learners in Diverse and Inclusive Classrooms
- \_\_\_ EDU 351 Reading and Writing in the Content Areas
- \_\_\_ EDU 419 Best Practices for Teaching
- \_\_\_ EDU 255 Introduction to Schools and Society
- \_\_\_ EDU 390 Critical Service Learning III
- \_\_\_ EDU 446 Creating Positive Classroom Environments
- \_\_\_ EDU 490 Critical Service Learning IV
- \_\_\_ EDU 447 Assessment of Learning

**MAJOR 2 REQUIREMENTS (34 hours)**

- \_\_\_ CHE 151 General Chemistry 1
- \_\_\_ CHE 152 General Chemistry 2
- \_\_\_ PHY 110 General Physics 1 or PHY 201
- \_\_\_ PHY 111 General Physics 2 or PHY 202
- \_\_\_ MAT 230 Calculus and Analytic Geometry 1
- \_\_\_ MAT 231 Calculus and Analytic Geometry 2
- \_\_\_ CHE 305 Organic Chemistry 1
- \_\_\_ Chemistry Elective
- \_\_\_ CHE 300 Analytical Chemistry
- \_\_\_ Chemistry Elective
- \_\_\_ Chemistry Elective
- \_\_\_ CHE 490 Chemistry Seminar
- \_\_\_ CHE 325 Physical Chemistry

**MAT REQUIREMENTS (30 hours)**

- \_\_\_ EDU 505 Child Development and Observation
- \_\_\_ EDU 518 English Language Learners in Diverse and Inclusive Classrooms
- \_\_\_ EDU 530 Assessment of Learning
- \_\_\_ EDU 519 Best Practices in Teaching and Learning
- \_\_\_ EDU 543 Techniques for Reading and Literature Instruction
- \_\_\_ EDU 560 Internship
- \_\_\_ EDU 580 Special Topics
- \_\_\_ EDU 580 Special Topics
- \_\_\_ EDU 522 Best Practices in Science and Mathematics
- \_\_\_ EDU 560 Internship
- \_\_\_ EDU 592 Action Research in Education

**Total Earned Major 1 Hours** \_\_\_\_\_

**Total Earned Major 2 Hours** \_\_\_\_\_

**Total Earned Master Hours** \_\_\_\_\_

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

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# MARIAN UNIVERSITY

— Indianapolis —®

## Secondary Education and BA in Chemistry -4 Year Plan† + MAT

Freshman Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 224	3	C	Major 1	EDU 190	3	C
Major 2	MAT 230	3	C	Major 2	PHY 110	4	C
Major 2	CHE 151	4	C	Major 2	MAT 231	4	C
Major 2	PHY 110	4	C	Major 2	CHE 152	4	C
General Education	FYS 110	3	D	Major 2	PHY 111	4	C
<b>Semester Hours</b>	<b>17</b>			<b>Semester Hours</b>	<b>19</b>		
<b>Cumulative Hours</b>	<b>17</b>			<b>Cumulative Hours</b>	<b>36</b>		
Sophomore Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 307	3	C	Major 1	EDU 318	3	C
Major 1	SPD 230	3	C	Major 1	EDU 351	3	C
Major 2	CHE 305	4	C	Major 1	EDU 290	1	C
General Education	Language	3	D	Major 2	CHE ELEC	4	C
General Education	COM 101	3	D	General Education	ENG 112	3	B-
General Education	ELEC	2	C	General Education	COM 101	3	B-
				General Education	ELEC	1	C
<b>Semester Hours</b>	<b>18</b>			<b>Semester Hours</b>	<b>18</b>		
<b>Cumulative Hours</b>	<b>54</b>			<b>Cumulative Hours</b>	<b>72</b>		
Junior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 1	EDU 419	3	C	Major 1	EDU 255	3	C
Major 2	CHE 300/325	4/5	C	Major 1	EDU 390	3	C
General Education	ELEC	2	D	Major 1	EDU 446	3	C
General Education	THL 105	3	D	Major 2	CHE ELEC	3	C
General Education	PHL 130	3	D	General Education	THL 200+	3	D
General Education	HUM 210	3	D	General Education	POL 102/ECN 200/HIS 102	3	D
<b>Semester Hours</b>	<b>18</b>			<b>Semester Hours</b>	<b>18</b>		
<b>Cumulative Hours</b>	<b>90</b>			<b>Cumulative Hours</b>	<b>108</b>		
Senior Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
Major 2	CHE ELEC	3	C	Major 1	EDU 490	3	C
Major 2	CHE 300/325	3	C	Major 1	EDU 447	3	C
Major 2	CHE 490	2	C	General Education	ELEC	3	C
General Education	ELEC	4	D	General Education	ELEC	3	C
MASTER	EDU 505	3	C	MASTER	EDU 518	3	C
<b>Semester Hours</b>	<b>12, 3</b>			<b>Semester Hours</b>	<b>12, 3</b>		
<b>Cumulative Hours</b>	<b>120, 3</b>			<b>Cumulative Hours</b>	<b>132, 6</b>		
Residency Year							
Fall Semester				Spring Semester			
Requirement Category	Course	Credit Hours	Minimum Grade*	Requirement Category	Course	Credit Hours	Minimum Grade*
MASTER	EDU 530	2	C	MASTER	EDU 522	3	C
MASTER	EDU 519	3	C	MASTER	EDU 580	3	C
MASTER	EDU 543	3	C	MASTER	EDU 560	2	C
MASTER	EDU 560	2	C	MASTER	EDU 592	3	C
MASTER	EDU 580	3	C				
<b>Semester Hours</b>	<b>13</b>			<b>Semester Hours</b>	<b>11</b>		
<b>Cumulative Hours</b>	<b>19</b>			<b>Cumulative Hours</b>	<b>30</b>		

† The lan above assumes that students enter into the program with:

1. Math ACT score of 21 or higher, Math SAT score of 570 or higher, OR Math placement score of 46-53.
2. Reading ACT score of 19 or higher, Reasoning/Verbal SAT score of 530 or higher, Or Reading comprehension score lower than 12.1
3. English ACT score of 21 or higher, SAT total score of 1200 or higher, OR writing Placement Test Score of 4 or higher.

\*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, however Klipsch Educator College requires higher grades in each course and a higher cumulative GPA-please follow Pathway guidelines for coursework.

