

BACHELOR OF ARTS CHEMISTRY



THOMAS MORE
UNIVERSITY

2021 – 2022 Sample Curriculum for Pre-Pharmacy Students

The Chemistry Department offers a challenging program of study providing the student with a strong foundation in the basic areas of chemistry necessary to pursue advanced study in graduate or professional school. The Chemistry program allows the student majoring in Chemistry the opportunity to earn a bachelor's degree, other science majors to broaden the scope of their knowledge and increase their potential as scientists with a Chemistry minor, and non-science majors to satisfy the general core requirements. The department highly recommends a second major or a minor in any of the following areas: Biology, Business Administration, Computer Information Systems, Criminal Justice, Economics, Mathematics, or Physics. The Chemistry Department also offers a bachelor's degree in Biochemistry and a concentration in Forensic Science.

-EVEN YEAR START-

First Year

Fall	CR	Spring	CR
FYE 150 First Year Exploration	1	Communication – Core	3
CHE 111/111L General Chemistry I and Lab	4	CHE 113/113L General Chemistry II and Lab	4
MAT 151 Calculus and Analytical Geometry I	4	MAT 152 Calculus and Analytical Geometry II	4
ENG 150 Literature, Writing and Research	3	Social Science – Core – ECO 105***	3
BIO 101/101L General Biology I and Lab	4	BIO 102/102L General Biology II and Lab	4
Subtotal			18

Second Year

Fall	CR	Spring	CR
CHE 220/220L Organic Chemistry I and Lab	4	CHE 240/240L Organic Chemistry II and Lab	4
PHY 121/121L Elements of Physics I and Lab*	4	PHY 122/122L Elements of Physics II and Lab*	4
Fine Arts – Core	3	BIO 206/206L Genetics and Lab	4
BIO 211/211L Anatomy & Physiology I and Lab	4	BIO 212/212L Anatomy & Physiology II and Lab	4
BIO 205 Biological Literature	3		
Subtotal		Subtotal	16

Third Year

Fall	CR	Spring	CR
CHE 301 Intro to the Chemical Literature	1	Chemistry Elective**	4
CHE 415/415L Instrumental Analysis and Lab	4	BIO 319/319L Cell Biology and Lab	4
Foreign Language – Core	3	MAT 205 Statistics	3
Social Science – Core	3	Foreign Language – Core	3
Philosophy – Core	3	Theology – Core	3
English 200+ – Core	3		
Subtotal		Subtotal	17

Fourth Year

Fall	CR	Spring	CR
CHE 313/313L Physical Chemistry I and Lab	4	BIO 305/305L Microbiology and Lab	4
Philosophy – Core	3	Senior Theology – Core	3
Theology – Core	3	CHE 330/330L Biochemistry I and Lab	4
Chemistry Elective**	4	History – Core	3
History – Core	3	Fine Arts – Core	3
Subtotal		Subtotal	17

Total Credits: 136

* The General Physics sequence (PHY 141/141L/142/142L) may be substituted for the Elements of Physics sequence. This is strongly recommended for those students interested in pursuing post-graduate studies.

** May use CHE 304, CHE 314/314L, CHE 330/330L, CHE 340/340L, CHE 358/358L, CHE 370, CHE 385/385L, CHE 411/411, CHE 425, CHE 435, or CHE 455 as Chemistry elective credit.

*** Economics course requirements vary among pharmacy schools. Please check the requirements at the schools you are applying. For example, U of L Pharmacy Graduate School requires micro- or macroeconomics.

Note: This course pattern applies to students entering under the 2021-22 Academic Catalog or later.