

BACHELOR OF ARTS CHEMISTRY



THOMAS MORE
UNIVERSITY

Approved 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 and 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	COM 105 Fundamentals of Public Speaking	3
CHE 111/ 111L General Chemistry I and Lab	4	CHE 113/ 113L General Chemistry II and Lab	4
MAT 151 Calculus Analytic Geometry I	4	MAT 152 Calculus and Analytical Geometry II	4
ENG 150 Literature, Writing, and Research	3	Social Science Core	3
BIO 101 / 101L General Biology I and Lab	4	BIO 102 / 102L General Biology II and Lab	4
Subtotal		Subtotal	
16		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
BIO 211 / 211L Anatomy and Physiology I and Lab	4	BIO 206 / 206L Genetics and Lab	4
BIO 205 Biological Literature	3	BIO 212 / 212 L Anatomy and Physiology II and Lab	4
		Philosophy Core #1	1
Subtotal		Subtotal	
15		17	

Third Year

Fall	CR	Spring	CR
CHE 301 The Chemical Literature	1	BIO 305 / 305L Microbiology and Lab	4
CHE 415/415L Instrumental Analysis and Lab	4	Chemistry Elective**	4
CHE 339 Biochemistry I	3	Theology Core	3
CHE 342 Biochemistry Lab Methods	1	Outer Core or Free Elective	3
History Core	3	MAT 205 Introductory Statistics	3
ENG 200+ Core	3		
Fine Arts Core	3		
Subtotal		Subtotal	
18		17	

Fourth Year

Fall	CR	Spring	CR
CHE 313/313L Physical Chemistry I and Lab	4	Chemistry Elective**	4
Philosophy Core #2	3	Theology Core	3
Foreign Language	3	BIO 319 / 319L Cell Biology and Lab	4
Outer Core or Free Elective	3	Outer Core or Free Elective	3
Subtotal		Subtotal	
13		14	

Total Credits: 128

* 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 339, CHE 340, CHE 342L, CHE 358/358L, CHE 370, CHE 385/385L, CHE 411/412, CHE 425, CHE 435, or CHE 455 as Chemistry elective credit.

