

BACHELOR OF SCIENCE CHEMISTRY



THOMAS MORE
UNIVERSITY

Approved Sample Curriculum for students who achieved an ACT Math or ACT Composite score

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 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.

Second Century Core: Inner core courses identified with green text, outer core possibilities identified with purple text.

-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 (Science + Lab – Core)	4	CHE 113/113L General Chemistry II and Lab	4
ENG 150 Literature, Writing and Research	3	Social Science Core	3
History Core	3	MAT 115 Precalculus (Math – Core)	3
Fine Arts Core	3	Outer Core or Free Elective	3
Subtotal	14	Subtotal	16

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 141/141L General Physics I and Lab	5	PHY 142/142L General Physics II and Lab	5
MAT 151 Calculus and Analytical Geometry I	4	MAT 152 Calculus and Analytical Geometry II	4
English 200+ Core	3	Philosophy Core #1	1
		Outer Core or Free Elective	3
Subtotal	16	Subtotal	17

Third Year

Fall	CR	Spring	CR
CHE 301 The Chemical Literature	1	CHE 304 Introduction to Chemical Research	1
CHE 415/415L Instrumental Analysis and Lab	4	CHE 358/358L Advanced Inorganic Chemistry and Lab	4
MAT 201 Calculus and Analytical Geometry III	4	CHE 385/CHE 385L Quantitative Analysis and Lab	4
Foreign Language	3	Outer Core or Free Elective	3
Philosophy Core #2	3	Outer Core or Free Elective	3
Subtotal	15	Subtotal	15

Fourth Year

Fall	CR	Spring	CR
CHE 411 Senior Research I	2	CHE 412 Senior Research II	1
CHE 313/313L Physical Chemistry I and Lab	4	CHE 314/314L Physical Chemistry II and Lab	4
Theology Core	3	Chemistry Elective*	3
Outer Core or Free Elective	3	Theology Core	3
Outer Core or Free Elective	3	Outer Core or Free Elective	3
Subtotal	15	Subtotal	14

Total Credits: 122

* May use CHE 339, CHE 340, CHE 342L, CHE 370, CHE 425, CHE 435, or CHE 455 as Chemistry elective credit.

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-ODD 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 (Science + Lab – Core)	4	CHE 113/113L General Chemistry II and Lab	4
ENG 150 Literature, Writing and Research	3	Social Science Core	3
History Core	3	MAT 115 Precalculus (Math – Core)	3
Fine Arts Core	3	Outer Core or Free Elective	3
Subtotal	14	Subtotal	16

Second Year

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English 200+Core	3	Philosophy Core #1	1
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Subtotal	16	Subtotal	17

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MAT 201 Calculus and Analytical Geometry III	4	Chemistry Elective*	3
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Fall	CR	Spring	CR
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CHE 415/415L Instrumental Analysis and Lab	4	CHE 358/358L Advanced Inorganic Chemistry and Lab	4
Theology Core	3	CHE 385/CHE 385L Quantitative Analysis and Lab	4
Outer Core or Free Elective	3	Outer Core or Free Elective	3
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Subtotal	15	Subtotal	15

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Note: This course pattern applies to students entering under the 2022-23 Academic Catalog and later.
Updated – 09/2023