

BACHELOR OF ARTS CHEMISTRY



THOMAS MORE
UNIVERSITY

2021 – 2022 Degree Requirements Checklist

CORE CURRICULUM REQUIREMENTS*	CREDIT HOURS
FIRST YEAR SEMINAR	1
<input type="checkbox"/> FYE 150, First Year Exploration	
ENGLISH	6
<input type="checkbox"/> ENG 150, Literature, Writing and Research	
<input type="checkbox"/> ENG 200+: _____	
MATHEMATICS	3
<input checked="" type="checkbox"/> Fulfilled within the major requirements	
SOCIAL SCIENCE	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
COMMUNICATION	3
<input type="checkbox"/> _____	
HISTORY	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
FOREIGN LANGUAGE (two semesters in same language)	3-6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
NATURAL SCIENCE	6-7
<input checked="" type="checkbox"/> Fulfilled within the major requirements	
<input checked="" type="checkbox"/> Fulfilled within the major requirements	
PHILOSOPHY	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
FINE ARTS (Art, Music, Theatre or Creative Writing courses)	5-6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
THEOLOGY	6
<input type="checkbox"/> Systematic Theology course: _____	
<input type="checkbox"/> Sacred Scripture course: _____	
SENIOR THEOLOGY	3
<input type="checkbox"/> _____	
TOTAL HOURS OF CORE REQUIREMENTS	56-61

MAJOR CORE REQUIREMENTS	CREDIT HOURS
CHEMISTRY	25
<input type="checkbox"/> CHE 111, General Chemistry I	
<input type="checkbox"/> CHE 111L, General Chemistry I Lab	
<input type="checkbox"/> CHE 113, General Chemistry II	
<input type="checkbox"/> CHE 113L, General Chemistry II Lab	
<input type="checkbox"/> CHE 220, Organic Chemistry I	
<input type="checkbox"/> CHE 220L, Organic Chemistry I Lab	
<input type="checkbox"/> CHE 240, Organic Chemistry II	
<input type="checkbox"/> CHE 240L, Organic Chemistry II Lab	
<input type="checkbox"/> CHE 301, The Chemical Literature	
<input type="checkbox"/> CHE 313, Physical Chemistry I	
<input type="checkbox"/> CHE 313L, Physical Chemistry I Lab	
<input type="checkbox"/> CHE 415, Instrumental Analysis	
<input type="checkbox"/> CHE 415L, Instrumental Analysis Lab	
ELECTIVES (12 credits from among the following)	12
<input type="checkbox"/> CHE 304, Introduction to Chemical Research	
<input type="checkbox"/> CHE 314, Physical Chemistry II	
<input type="checkbox"/> CHE 314L, Physical Chemistry II Lab	
<input type="checkbox"/> CHE 330, Biochemistry I	
<input type="checkbox"/> CHE 330L, Biochemistry I Lab	
<input type="checkbox"/> CHE 358, Advanced Inorganic Chemistry	
<input type="checkbox"/> CHE 358L, Advanced Inorganic Chemistry Lab	
<input type="checkbox"/> CHE 370, Selected Projects in Chemical Research	
<input type="checkbox"/> CHE 385, Quantitative Analysis	
<input type="checkbox"/> CHE 385L, Quantitative Analysis Lab	
<input type="checkbox"/> CHE 411, Senior Research Experience I	
<input type="checkbox"/> CHE 412, Senior Research Experience II	
<input type="checkbox"/> CHE 425, Environmental Chemistry	
<input type="checkbox"/> CHE 435, Medicinal Chemistry	
SUPPORTING COURSES	18
<input type="checkbox"/> PHY 141, Introduction to Measurement I and PHY 141L, Introduction to Measurement I Lab	
<input type="checkbox"/> PHY 142, Introduction to Measurement II and PHY 142L, Introduction to Measurement II Lab –OR–	
<input type="checkbox"/> PHY 121, Elements of Physics I and PHY 121L, Elements of Physics I Lab	
<input type="checkbox"/> PHY 122, Elements of Physics II and PHY 122L, Elements of Physics II Lab	
<input type="checkbox"/> MAT 151, Calculus Analytic Geometry I	
<input type="checkbox"/> MAT 152, Calculus Analytic Geometry II	
EXPERIENTIAL LEARNING	3
<input type="checkbox"/> CHE 411, Senior Research Experience I	
<input type="checkbox"/> CHE 412, Senior Research Experience II	

TOTAL HOURS OF CHEMISTRY CORE	58
TOTAL HOURS REQUIRED FOR ANY BACHELOR DEGREE	
Students admitted during or after Fall 2017	120
Students admitted prior to Fall 2017	128

*Please reference the 2021 Core column on the Schedule of Classes for core options

Please note: A student seeking a degree in Chemistry must earn a grade of "C" or better in all Chemistry (CHE) courses.

BACHELOR OF SCIENCE CHEMISTRY



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UNIVERSITY

2021 – 2022 Degree Requirements Checklist

CORE CURRICULUM REQUIREMENTS*	CREDIT HOURS
FIRST YEAR SEMINAR	1
<input type="checkbox"/> FYE 150, First Year Exploration	
ENGLISH	6
<input type="checkbox"/> ENG 150, Literature, Writing and Research	
<input type="checkbox"/> ENG 200+: _____	
MATHEMATICS	3
<input checked="" type="checkbox"/> Fulfilled within the major requirements	
SOCIAL SCIENCE	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
COMMUNICATION	3
<input type="checkbox"/> _____	
HISTORY	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
FOREIGN LANGUAGE (two semesters in same language)	3-6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
NATURAL SCIENCE	6-7
<input checked="" type="checkbox"/> Fulfilled within the major requirements	
<input checked="" type="checkbox"/> Fulfilled within the major requirements	
PHILOSOPHY	6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
FINE ARTS (Art, Music, Theatre or Creative Writing courses)	5-6
<input type="checkbox"/> _____	
<input type="checkbox"/> _____	
THEOLOGY	6
<input type="checkbox"/> Systematic Theology course: _____	
<input type="checkbox"/> Sacred Scripture course: _____	
SENIOR THEOLOGY	3
<input type="checkbox"/> _____	
TOTAL HOURS OF CORE REQUIREMENTS	56-61

MAJOR CORE REQUIREMENTS	CREDIT HOURS
CHEMISTRY	43
<input type="checkbox"/> CHE 111, General Chemistry I	
<input type="checkbox"/> CHE 111L, General Chemistry I Lab	
<input type="checkbox"/> CHE 113, General Chemistry II	
<input type="checkbox"/> CHE 113L, General Chemistry II Lab	
<input type="checkbox"/> CHE 220, Organic Chemistry I	
<input type="checkbox"/> CHE 220L, Organic Chemistry I Lab	
<input type="checkbox"/> CHE 240, Organic Chemistry II	
<input type="checkbox"/> CHE 240L, Organic Chemistry II Lab	
<input type="checkbox"/> CHE 301, The Chemical Literature	
<input type="checkbox"/> CHE 304, Introduction to Chemical Research	
<input type="checkbox"/> CHE 313, Physical Chemistry I	
<input type="checkbox"/> CHE 313L, Physical Chemistry I Lab	
<input type="checkbox"/> CHE 314, Physical Chemistry II	
<input type="checkbox"/> CHE 314L, Physical Chemistry II Lab	
<input type="checkbox"/> CHE 358, Advanced Inorganic Chemistry	
<input type="checkbox"/> CHE 358L, Advanced Inorganic Chemistry Lab	
<input type="checkbox"/> CHE 385, Quantitative Analysis	
<input type="checkbox"/> CHE 385L, Quantitative Analysis Lab	
<input type="checkbox"/> CHE 411, Senior Research Experience I	
<input type="checkbox"/> CHE 412, Senior Research Experience II	
<input type="checkbox"/> CHE 415, Instrumental Analysis	
<input type="checkbox"/> CHE 415L, Instrumental Analysis Lab	
<input type="checkbox"/> Two credit hours of advanced topics	
SUPPORTING COURSES	22
<input type="checkbox"/> PHY 141, Introduction to Measurement I	
<input type="checkbox"/> PHY 141L, Introduction to Measurement I Lab	
<input type="checkbox"/> PHY 142, Introduction to Measurement II	
<input type="checkbox"/> PHY 142L, Introduction to Measurement II Lab	
<input type="checkbox"/> MAT 151, Calculus Analytic Geometry I	
<input type="checkbox"/> MAT 152, Calculus Analytic Geometry II	
<input type="checkbox"/> MAT 201, Calculus Analytic Geometry III	
EXPERIENTIAL LEARNING	3
<input type="checkbox"/> CHE 411, Senior Research Experience I	
<input type="checkbox"/> CHE 412, Senior Research Experience II	
RECOMMENDED COURSE	
<input type="checkbox"/> MAT 202, Differential Equations	
TOTAL HOURS OF CHEMISTRY CORE	65
TOTAL HOURS REQUIRED FOR ANY BACHELOR DEGREE	
Students admitted during or after Fall 2017	120
Students admitted prior to Fall 2017	128

*Please reference the 2021 Core column on the Schedule of Classes for core options

Please note: A student seeking a degree in Chemistry must earn a grade of "C" or better in all Chemistry (CHE) courses.