BACHELOR OF ARTS
CHEMISTRY

THOMAS MORE UNIVERSITY

Degree Requirements Checklist

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

*Please reference the 2019 Core column on the Schedule of Classes for core options

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

THOMAS MORE UNIVERSITY

Degree Requirements Checklist

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

*Please reference the 2019 Core column on the Schedule of Classes for core options

MAJOR CORE REQUIREMENTS	CREDIT HOURS
CHEMISTRY	**43**
☐ CHE 111, General Chemistry I	
☐ CHE 111L, General Chemistry I Lab	
☐ CHE 113, General Chemistry II	
☐ CHE 113L, General Chemistry II Lab	
☐ CHE 220, Organic Chemistry I	
☐ CHE 220L, Organic Chemistry I Lab	
☐ CHE 240, Organic Chemistry II	
☐ CHE 240L, Organic Chemistry II Lab	
☐ CHE 301, The Chemical Literature	
☐ CHE 304, Introduction to Chemical Research	
☐ CHE 313, Physical Chemistry I	
☐ CHE 313L, Physical Chemistry I Lab	
☐ CHE 314, Physical Chemistry II	
☐ CHE 314L, Physical Chemistry II Lab	
☐ CHE 358, Advanced Inorganic Chemistry	
☐ CHE 358L, Advanced Inorganic Chemistry Lab	
☐ CHE 385, Quantitative Analysis	
☐ CHE 385L, Quantitative Analysis Lab	
☐ CHE 411, Senior Research Experience I	
☐ CHE 412, Senior Research Experience II	
☐ CHE 415, Instrumental Analysis	
☐ CHE 415L, Instrumental Analysis Lab	
☐ Two credit hours of advanced topics	
SUPPORTING COURSES	**22**
☐ PHY 141, Introduction to Measurement I	
☐ PHY 141L, Introduction to Measurement I Lab	
☐ PHY 142, Introduction to Measurement II	
☐ PHY 142L, Introduction to Measurement II Lab	
☐ MAT 151, Calculus Analytic Geometry I	
☐ MAT 152, Calculus Analytic Geometry II	
☐ MAT 201, Calculus Analytic Geometry III	
EXPERIENTIAL LEARNING	**3**
☐ CHE 411, Senior Research Experience I	
☐ CHE 412, Senior Research Experience II	
RECOMMENDED COURSE	
☐ 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 note: A student seeking a degree in Chemistry must earn a grade of "C" or better in all Chemistry (CHE) courses.