BACHELOR of ARTS (ODD-YEAR START)
MATHEMATICS

Thomas More University

Approved Sample Curriculum

The aim of the mathematics curriculum is to prepare the student for graduate studies, teaching, and/or for application of the principles of mathematics in business and industry.

First Year

Fall	CR	Spring	CR
FYE150 First-Year Exploration	1	**MAT152 Calculus and Analytical Geometry II**	4
MAT151 Calculus and Analytical Geometry I	4	CIS 255 Programming in PYTHON	3
PHY141 General Physics I*	4	PHY142 General Physics II*	4
PHY141L General Physics I Lab*	1	PHY142L General Physics II Lab (recommended)*	1
CIS 114 Intro to Programming	3	Social Science Core	3
Outer Core or Free Elective	3		
Subtotal	16	**Subtotal**	15

Second Year

Fall	CR	Spring	CR
MAT201 Calculus and Analytic Geometry III	4	**MAT202 Differential Equations**	4
MAT320 Linear Algebra	3	**MAT 231 Foundations of Mathematics**	3
ENG 150 Literature, Writing, and Research	3	History Core	3
Foreign Language	3	Theology Core	3
Outer Core or Free Elective	3	ENG 200+ Core	3
Subtotal	16	**Subtotal**	16

Third Year

Fall	CR	Spring	CR
MAT340 Probability	3	**MAT405 Special Topics in Mathematics**	3
MATH ELECTIVE	3	**MATH ELECTIVE**	3
Communication Core	3	Theology Core	3
Philosophy Core #1	1	Outer Core or Free Elective	3
Fine Arts Core	3	Outer Core or Free Elective	3
Outer Core or Free Elective	3		
Subtotal	16	**Subtotal**	15

Fourth Year

Fall	CR	Spring	CR
MAT306 Abstract Algebra	3	**MAT411 Advanced Calculus**	3
MAT 498 Mathematics Senior Research I	2	**MAT499 Mathematics Senior Research II**	1
Outer Core or Free Elective	3	Outer Core or Free Elective	3
Philosophy Core #2	3	Outer Core or Free Elective	3
Outer Core or Free Elective	3	Outer Core or Free Elective	3
Subtotal	14	**Subtotal**	13

Total Credits: 121

*Mathematics majors may also take General Chemistry (CHE 111 and CHE 113 with labs) instead of General Physics I and II

Last Updated: Fall 2023

BACHELOR of ARTS (EVEN-YEAR START)
MATHEMATICS

THOMAS MORE
UNIVERSITY

Approved Sample Curriculum

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First Year

Fall	CR	Spring	CR
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MAT151 Calculus and Analytical Geometry I	4	**MAT231 Foundations of Mathematics**	3
PHY141 General Physics I*	4	PHY142 General Physics II*	4
PHY141L General Physics I Lab*	1	PHY142L General Physics II Lab (recommended)*	1
ENG 150 Literature, Writing, and Research	3	Social Science Core	3
Outer Core or Free Elective	3		
Subtotal	16	**Subtotal**	15

Second Year

Fall	CR	Spring	CR
MAT201 Calculus and Analytic Geometry III	4	**MAT202 Differential Equations**	4
MAT320 Linear Algebra	3	**CIS 255 Programming in PYTHON**	3
CIS114 Intro to Programming	3	History Core	3
Foreign Language	3	Theology Core	3
Outer Core or Free Elective	3	ENG 200+ Core	3
Subtotal	16	**Subtotal**	16

Third Year

Fall	CR	Spring	CR
MAT306 Abstract Algebra	3	**MAT411 Advanced Calculus**	3
MATH ELECTIVE	3	**MATH ELECTIVE**	3
Communication Core	3	Theology Core	3
Philosophy Core #1	1	Outer Core or Free Elective	3
Fine Arts Core	3	Outer Core or Free Elective	3
Outer Core or Free Elective	3		
Subtotal	16	**Subtotal**	15

Fourth Year

Fall	CR	Spring	CR
MAT340 Probability	3	**MAT405 Special Topics in Mathematics**	3
MAT 498 Mathematics Senior Research I	2	**MAT499 Mathematics Senior Research II**	1
Philosophy Core #2	3	Outer Core or Free Elective	3
Outer Core or Free Elective	3	Outer Core or Free Elective	3
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