

Student: \_\_\_\_\_

ID#: \_\_\_\_\_

Advisor: \_\_\_\_\_

# Bachelor of Arts in Mathematics

## 2019-2020 Catalog

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

### Overall Requirements to Graduate

- 120+ semester hours
- Completion of core curriculum
- Completion of a major
- 36 upper division credit hours
- GPA above 2.0
- Major GPA above 2.0
- Minor/Program complete (optional)



UNIVERSITY OF  
ST. THOMAS

Credit Hour Breakdown	
Hours completed	
Hours in progress	
Core hours needed	
Major hours needed	
(Minor hours needed)	
(Other hours needed)	
Elective hours needed	
TOTAL HOURS (120+)	

Core Curriculum (54-56 hours)			Complete	Needed
<b>Theology (9 credit hours)</b> Must take in order. (Pre-req: Phil 1311 or 1315/3315)				
<input type="checkbox"/> THEO 1301/3301 Intro to Sacred Scriptures <input type="checkbox"/> THEO 2301/3311 Teachings of the Catholic Church <input type="checkbox"/> THEO 3349 Christ and the Moral Life (Phil 2314 or 2316/3316)	<b>Students with 30-59 transfer hrs:</b> 6-9 hours THEO 6-9 hours PHIL 3 hours Synthesis <i>(18 hours total)</i>	<b>Students with 60+ transfer hrs:</b> 6 hours THEO 6 hours PHIL NO synthesis <i>(12 hours total)</i>		
<b>Philosophy (9 credit hours)</b> Choose one sequence:				
<u>Systematic Sequence (must take in order)</u> <input type="checkbox"/> PHIL 1311 Philosophy of the Human Person <input type="checkbox"/> PHIL 2314 Ethics <input type="checkbox"/> PHIL 3313 Metaphysics	<u>Historical Sequence (must take in order)</u> <input type="checkbox"/> PHIL 1315/3315 Ancient Philosophy <input type="checkbox"/> PHIL 2316/3316 Medieval Philosophy <input type="checkbox"/> PHIL 3317 – Modern Philosophy			
<b>Synthesis Course (3 credit Hours)</b>				
Choose <b>one</b> synthesis course from the Synthesis Course List.				
<b>English (9 credit hours)*</b> Must take in order.				
<input type="checkbox"/> ENGL 1341 The Classical Tradition: Literature & Composition I <input type="checkbox"/> ENGL 1342 The Middle Ages: Literature & Composition II <input type="checkbox"/> ENGL 2312 The Modern World: Literature & Composition III		<b>*Students with transfer credit:</b> 3 transfer credits: Take 1341/1342 (left) 6 transfer credits: Take ENGL 3312 (below) <input type="checkbox"/> ENGL 3312 Perspectives in World Lit.		
<b>History (6 credit hours)</b> Choose <b>one</b> pair of courses:				
<u>World History</u> <input type="checkbox"/> HIST 1335 World Community I <input type="checkbox"/> HIST 1336 World Community II	<u>U.S. History</u> <input type="checkbox"/> HIST 2333 U.S. History to 1877 <input type="checkbox"/> HIST 2334 U.S. History since 1877			
<b>Social and Behavioral Sciences (6 credit hours)</b> Choose <b>one</b> option:				
<u>Social and Behavioral Sciences Option</u> <input type="checkbox"/> Choose <b>two</b> courses from the Social and Behavioral Sciences Core course list.	<u>Social and Behavioral Sciences + Oral Communication Option</u> <input type="checkbox"/> Choose <b>one</b> course from the Social & Behavioral Sciences Core course list. <input type="checkbox"/> Choose <b>one</b> course from the Communication Core Course list.			
<b>Natural Sciences (8-10 credit hours)</b> Choose <b>one</b> option:				
<u>Natural Sciences Option (8 credit hours)</u> <input type="checkbox"/> Choose <b>two</b> lecture/laboratory courses from the Natural Sciences Core course list.	<u>Natural Sciences + Modern and Classical Language Option (10 credit hours)</u> <input type="checkbox"/> Choose <b>one</b> lecture/laboratory course from the Natural Sciences Core course list. <input type="checkbox"/> Choose <b>two</b> sequential courses in a language. Courses must be completed in order			
<b>Mathematics (3 credit hours)</b>				
<input type="checkbox"/> Choose <b>one</b> course from the Mathematics Core Course list.			(Included in major)	
<b>Fine Arts (3 credit hours)</b>				
<input type="checkbox"/> Choose <b>one</b> course from the Fine Arts Core Course list.				
<b>Freshman Symposium (1 credit hour)</b> Required for all incoming freshmen.				
<input type="checkbox"/> UNIV 1111 Freshman Symposium				

Last updated on August 28, 2019

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<b>Major Requirements (41 credit hours)</b>	Completed	Needed
<b>Required for all Mathematics majors (31 credit hours)</b>		
<input type="checkbox"/> MATH 1431 – Calculus I (MATH 1331 with a C or better) <input type="checkbox"/> MATH 1432 – Calculus II (MATH 1431 with a C or better) <input type="checkbox"/> MATH 2431 – Calculus III (MATH 1432 with a C or better) <input type="checkbox"/> MATH 2343 – Differential Equations I (MATH 1432 with a C or better) <input type="checkbox"/> MATH 3334 – Linear Algebra I (MATH 1432) <input type="checkbox"/> MATH 3335 – A First Course in Probability (MATH 1432) <input type="checkbox"/> MATH 3360 – Discrete Mathematics (MATH 1431) <input type="checkbox"/> MATH 4181 – Senior Seminar (Department Approval) <input type="checkbox"/> MATH 4331 – Real Analysis I (MATH 2431) <input type="checkbox"/> MATH 4338 – Abstract Algebra I (MATH 3360)		
<b>Computer Science (4 credit hours)</b>		
<input type="checkbox"/> COMSC 1450 – Introduction to Programming & Computer Science		
<b>Mathematics Electives (6 credit hours)</b>		
<input type="checkbox"/> Choose 2 courses from the 3000/4000 level MATH courses.		
<i>Note: MATH 3313, 3332, 3333, 3336, 3341, 3342 and 3354 do NOT apply to mathematics major requirements.</i>		

<b>Electives</b>	Completed	Needed
<b>Electives to reach the 120 hour minimum to graduate (23-25 hours)</b>		
<i>This major contains 19 upper-division (3000 or 4000 level) credit hours. 36 upper-division credit hours are required for graduation. Consider additional upper-division options in the core or electives.</i>		

<b>Totals</b>	Completed	Needed
<b>Total undergraduate hours (120 minimum):</b>		

MINIMUM TOTAL: 120+

\*\*All graduating seniors who major in mathematics must take the Educational Testing Service (ETS) Major Field Test in Mathematics before graduation but no earlier than the penultimate semester. \*\*