

# PROGRAM OF STUDIES

## PhD Degree (Option I — Regular Mathematical Research Option)

Directions: Complete in consultation with your advisor. Update during the year as needed. If you change advisors, please have *both* advisors sign this form.

NAME: \_\_\_\_\_ ADVISOR: \_\_\_\_\_

EMPHASIS (circle one or more): Algebra Analysis Applied Math Comb. & Optim. Math Educ. Statistics Comp. Sci.

When did you start graduate studies at UM? \_\_\_\_\_ How long have you been in the Ph.D. program? \_\_\_\_ Semester(s).

List *all* courses you are planning to take *this academic* year including seminars, independent study, courses outside the department, etc. (List credits, course numbers, and semester; for example (3) MA 555/F06 or (4) MA 452/S07.)

Fall: ( ) MA \_\_\_\_\_ Spring: ( ) MA \_\_\_\_\_  
( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_  
( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_  
( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_  
( ) \_\_\_\_\_ ( ) \_\_\_\_\_

COURSES you have taken or plan to take at UM or approved transfer courses. (List credits, course numbers, and semester; for example (3) MA 555/F04 or (4) MA 452/S05 or MA 581/T.)

MA 600: Colloquium (1 cr.)/semester taken: \_\_\_\_\_

Three advisor-approved courses (at least 3-cr. each) in each of 3 fields:

Algebra:	( ) MA _____	( ) MA _____	( ) MA _____
Analysis:	( ) MA _____	( ) MA _____	( ) MA _____
Applied Math:	( ) MA _____	( ) MA _____	( ) MA _____
Comb. & Optim.:	( ) MA _____	( ) MA _____	( ) MA _____
Computer Science:	( ) MA _____	( ) MA _____	( ) MA _____
Statistics:	( ) MA _____	( ) MA _____	( ) MA _____
Topology:	( ) MA _____	( ) MA _____	( ) MA _____
Other: _____	( ) MA _____	( ) MA _____	( ) MA _____

Other advisor-approved courses:

( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_  
( ) MA \_\_\_\_\_ ( ) MA \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_

TOTAL CREDITS: \_\_\_\_\_ (Need 60 credits, including dissertation credits.)

PRELIMINARY EXAMS: Two areas chosen from Algebra, Analysis, Applied Mathematics, Combinatorics & Optimization, or Statistics. (One must be Algebra or Analysis.) Fill in dates exams passed or dates you plan to take exams (first area must be passed by beginning of third semester; second area must be passed by beginning of fourth semester in the program.)

Algebra: \_\_\_\_\_ Analysis: \_\_\_\_\_ Other (list area): \_\_\_\_\_

Written COMPREHENSIVE EXAM (no later than fourth semester after passing Preliminary Exams)

Date passed or date you plan to take exam \_\_\_\_\_ Examining Committee (4 in Math including chair; 1 outside Math): \_\_\_\_\_

Dissertation Advisor: \_\_\_\_\_ Dissertation Title: \_\_\_\_\_

Dissertation Committee: \_\_\_\_\_

Dissertation Credits: ( ) MA 699; semester(s) taken \_\_\_\_\_

Date of Colloquium Talk (On Dissertation): \_\_\_\_\_ Date of Oral Defense of Dissertation: \_\_\_\_\_

STUDENT'S SIGNATURE: \_\_\_\_\_ Date: \_\_\_\_\_

ADVISOR'S SIGNATURE: \_\_\_\_\_ Date: \_\_\_\_\_

GRADUATE COMMITTEE'S APPROVAL: \_\_\_\_\_ Date: \_\_\_\_\_