

PROGRAM OF STUDIES

PhD Degree (Option I – Regular Mathematical Research Option)

Complete in consultation with your advisor; keep a copy for your records. Update during the year as needed.

Name: **Kyle Nemeth**

Advisor: **Elizabeth Gillaspy**

Emphasis (select one or more): ☒ Algebra ☒ Analysis ☐ Applied Math ☐ Comb. & Optim. ☐ Math Educ. ☐ Statistics
(If you haven't decided yet, check this box ☐ and select all emphases you are considering.)

When did you start grad studies at UM? **Fall 2022**. How long have you been in the PhD program? **2**
Semester(s)

List *all* courses you are planning to take *this academic* year including seminars, independent study, courses outside the department, etc. (List credits and course numbers; for example **(3) M 555** or **(4) STAT 542**.)

Fall **2024**: (3) **M531** (3) **M514** (1) **M650** () M () STAT ()

Spring **2025**: (3) **M532** (3) **M432** (1) **M650** () M () STAT ()

Courses you have taken or plan (**M 581/P**) to take at UM, or approved transfer courses (**M 581/T**).

Three advisor-approved courses (at least 3 cr., numbered 400 or above) in two fields chosen from: Algebra, Analysis, Applied Math, C & O, or Statistics

Area: **Algebra**

(3) **M524** (3) **M522** (3) **M432** () STAT () STAT () STAT

Area: **Analysis**

(3) **M551** (3) **M564** (3) **M555** () STAT () STAT () STAT

Two advisor-approved courses (at least 3 cr., numbered 400 or above) in each of two additional fields chosen from: Algebra, Analysis, Applied Mathematics, C & O, Statistics, Topology or a field chosen with an advisor.

Area: **Applied Math** (3) **M511** (3) **M514** () STAT () STAT

Area: **Topology** (3) **M531** (3) **M532** () STAT () STAT

M 600: Colloquium semester taken: _____

Seminars (2 cr. taken in first 2 years): **M650** **M610** STAT

Other advisor approved courses: (4) **M473** (4) **M472** () M () M () STAT () STAT ()
()

Total Credits: **44** (Need 60 credits, at most 21 credits research/dissertation.)

Preliminary Exams: Two areas chosen from Algebra, Analysis, Applied Mathematics, Combinatorics & Optimization, or Statistics. List areas and dates exams passed or dates you plan to take exams.

Exam 1: **Applied Math January 2023**

Exam 2: **Analysis January 2025**

Written Comprehensive Exam (no later than fourth semester after passing Preliminary Exams)

Date passed or date you plan to take exam: _____

Examining Committee (four in Math including chair; one outside Math): : _____

Dissertation Advisor: _____

Dissertation Title: _____

Dissertation Committee: _____

Thesis Credits: () M 699; semester(s) taken: _____

Date of Colloquium Talk (On Dissertation): _____ Date of Oral Defense of Dissertation: _____

Student's Signature: Kyle Nemeth

Date: 8/30/2024

Advisor's Signature: _____

Date: _____

If you change advisors, please have *both* advisors sign this form.

Graduate Committee's Approval: _____

Date: _____

