

**University of Arizona**  
**Department of Mathematics**  
Ph.D. Requirements

The following is an unofficial guide to the necessary requirements for the completion of a Ph.D. in the Department of Mathematics at the University of Arizona. The guide represents the requirements as of the 2012-2013 semester as outlined on the department's website:

<http://math.arizona.edu/gradprogram/handbook/phdrequirements.html>.

**Overall Coursework:**

- 36 units in MATH:

\_\_\_\_\_

\_\_\_\_\_

- 12 units in minor (can be MATH):

\_\_\_\_\_

- 6 units outside MATH:

\_\_\_\_\_

- 18 units Dissertation (MATH920 - to be completed after Oral Comp. Exam)  
-3 hours    -6 hours    -9 hours    -12 hours    -15 hours    -18 hours

**Necessary Courses:**

Algebra: -511A    Real Analysis: -523A    Geometry/Topology: -534A  
-511B    -523B    -534B

Two (other) year-long MATH courses (cannot be dual-numbered):

Course #1: \_\_\_\_\_

Course #2: \_\_\_\_\_

RTG Seminars (1 unit) -

RTG Course (3 units) -

**Qualifying Exams:**

Algebra: -High Pass  
-Pass

Real Analysis: -High Pass  
-Pass

Geometry/Topology: -High Pass  
-Pass

Thesis: -High Pass  
-Pass  
-N/A

**Oral Comprehensive Exam:**

- Completed on \_\_\_\_\_

**Professional Development:**

Complete 2 of the following 3:

-Foreign Language

-Computing Skills

-Communication Skills

**Final Oral Exam:** (Dissertation Defense)

- Completed on \_\_\_\_\_