

Mathematics Master's Program of Study Checklist

| Thesis or Non-Thesis Option (Check 1) | | |
|--|--------------|--|
| <input type="checkbox"/> | 6-12 credits | Thesis – MTH 503 |
| <input type="checkbox"/> | 3-6 credits | Non-Thesis (Expository Paper or Exam) – MTH 501 |

| Required Core Courses (Check all 4) | | |
|--|-----------|-----------------------------------|
| <input type="checkbox"/> | 3 credits | Real Analysis I – MTH 511 |
| <input type="checkbox"/> | 3 credits | Real Analysis II – MTH 512 |
| <input type="checkbox"/> | 3 credits | Linear Algebra – MTH 543 |
| <input type="checkbox"/> | 3 credits | Complex Analysis – MTH 611 |

| 4 Additional Core Courses | | |
|---|--|--|
| 2 From 1 Area (For Depth); Remaining 2 From 1 or 2 Other Areas (For Breadth) | | |
| (Check 2 or 3 AND Fill in Credits to Total of 12 Credits) | | |
| <input type="checkbox"/> | | Abstract Algebra – MTH 644 & 645 |
| <input type="checkbox"/> | | Applied Math – MTH 621 & 622 |
| <input type="checkbox"/> | | Numerical Analysis – MTH 551, 552, 553 |
| <input type="checkbox"/> | | Topology & Geometry – MTH 531, 532, 674 (any 2) |
| <input type="checkbox"/> | | Probability – MTH 564, 565, 644 (any 2) |

| Ethical Research Training (Required) | | |
|---|-------------|---|
| <input type="checkbox"/> | 1-3 credits | Intro to Math Profession – MTH 507 |

| Fill in Additional Grad Courses to Reach 45 Credits (Check as Needed) | | |
|--|--|--|
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |
| <input type="checkbox"/> | | |

| | | |
|--|--|---|
| | | Total Credits From All Sections (Minimum of 45) |
|--|--|---|

| Important Reminders | |
|----------------------------|--|
| | <ul style="list-style-type: none"> • Total of 39 credits must be non-blanket numbered courses (MTH 501 & 503 are considered non-blanket courses) |
| | <ul style="list-style-type: none"> • Program of Study must include at least 50% graduate stand-alone courses Any classes listed in orange are NOT graduate stand-alone courses |

| Helpful Links | |
|----------------------|---|
| | Program of Study Form |
| | Mathematics Graduate Handbook |
| | Graduate Stand-Alone Courses |