

Mathematics Master's Program of Study Checklist

Thesis or Non-Thesis Option (Check 1)

		6-12 credits	Thesis – MTH 503
		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"/>			Dynamical Systems – MTH 524 & 525
<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, 664 (any 2)

Ethical Research Training (Required)

<input type="checkbox"/>		1-3 credits	Intro to Math Profession – MTH 507
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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)
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Important Reminders

- Total of 39 credits must be non-blanket numbered courses (MTH 501 & 503 can be used as non-blanket courses on the Program of Study. For registration, they count as blanket courses)
- 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](#)