

## Mathematics Master's Program of Study Checklist

### **Thesis or Non-Thesis Option (Check 1)**

		6-12 credits	Thesis – <b>MTH 503</b>
		3-6 credits	Non-Thesis (Expository Paper or Exam) – <b>MTH 501</b>

### **Required Core Courses (Check all 4)**

<input type="checkbox"/>		3 credits	Real Analysis I – <b>MTH 511</b>
<input type="checkbox"/>		3 credits	Real Analysis II – <b>MTH 512</b>
<input type="checkbox"/>		3 credits	Linear Algebra - <b>MTH 543</b>
<input type="checkbox"/>		3 credits	Complex Analysis – <b>MTH 611</b>

### **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 – <b>MTH 644 &amp; 645</b>
<input type="checkbox"/>			Applied Math – <b>MTH 621 &amp; 622</b>
<input type="checkbox"/>			Dynamical Systems – <b>MTH 524 &amp; 525</b>
<input type="checkbox"/>			Numerical Analysis – <b>MTH 551, 552, 553</b>
<input type="checkbox"/>			Topology & Geometry – <b>MTH 531, 532, 674 (any 2)</b>
<input type="checkbox"/>			Probability – <b>MTH 564, 565, 644 (any 2)</b>

### **Ethical Research Training (Required)**

<input type="checkbox"/>		1-3 credits	Intro to Math Profession – <b>MTH 507</b>
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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](#)