Mathematics PhD Program of Study Checklist

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| ***Thesis Credits*** | | |
|  | 36-72 credits | Thesis – **MTH 603** |

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| ***Required Core Courses (Check all 4)*** | | |
|  | 3 credits | Real Analysis I – **MTH 511** |
|  | 3 credits | Real Analysis II – **MTH 512** |
|  | 3 credits | Linear Algebra - **MTH 543** |
|  | 3 credits | Complex Analysis – **MTH 611** |

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| ***8 Additional Core Courses***  ***Including at least 3 two-term sequences from the following courses*** | | |
|  |  | Abstract Algebra – **MTH 644 & 645** |
|  |  | Applied Math – **MTH 621 & 622** |
|  |  | Dynamical Systems – **MTH 524 & 525** |
|  |  | Numerical Analysis – **MTH 551, 552, 553\*** |
|  |  | Topology & Geometry – **MTH 531, 532, 674\*** |
|  |  | Probability – **MTH 564, 565, 664\*** |
|  |  | \*Any 2 of the 3 classes in this area can be used as core courses. |

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| ***Ethical Research Training (Required)*** | | |
|  | 1-3 credits | Intro to Math Profession – **MTH 507** |

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| ***Fill in Additional Grad Courses to Reach 108 Credits (Check as Needed)*** | | |
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|  |  | Total Credits From All Sections (Minimum of 108) |

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| ***Important Reminders*** |
| * Program of Study must include at least 50% graduate stand-alone courses   **Any classes listed in orange are NOT graduate stand-alone courses**   * + Program of Study must include a minimum of 108 credits   + Program of Study must include at least 36 credits of 603 * Program of Study can include a maximum of 15 blanket credits (excluding 603) |

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| ***Helpful Links*** |
| [Program of Study Form](https://gradschool.oregonstate.edu/forms) |
| [Mathematics Graduate Handbook](https://math.oregonstate.edu/graduate-handbook) |
| [Graduate Stand-Alone Courses](https://math.oregonstate.edu/content/math-graduate-stand-alone-courses) |