Graduate Course Prerequisites

Please read the required courses for each graduate course very carefully.
If it listed as more than one number (1, 2, 3) then you need to have a requirement from each number listed.
If it is listed as a letter within a number (1a, 1b), then you need one (or more as indicated) of those courses listed within the letters.
Having the course prerequisites listed makes you eligible for enrolment, but it does not guarantee enrolment.
If you have any questions about the prerequisites listed, please ask at math.undergrad@utoronto.ca

CODE	TITLE	PREREQUISITES
MAT1061H1 S	Partial Differential Equations II	1. MAT1060H: Partial Differential Equation I 2. MAT457H1: Advanced Real Analysis I
MAT1101H1 S	Algebra II	1(a) MAT1100H: Algebra I 1(b) A- in MAT347: Groups, Rings, and Fields
MAT1301H1 S	Algebraic Topology	1. MAT327H1: Intro to Topology
MAT1601H1 S	Mathematical Probability II	1. MAT1600HF: Mathematical Probability I
MAT1850H1 S	Linear Algebra & Optimizatin	1(a) APM462H1: Nonlinear Optimization 1(b) MAT337/MAT357 Real Analysis AND MAT224H1: Linear Algebra I AND APM236H1: Applications of Linear Programming 2(a) APM346H1: Partial Differential Equations 2(b) MAT351Y1: Partial Differential Equations
MAT1103H1 S	Topics in Algebra: Algebraic Geometry & Smooth Topoloyu	1. be in 400 level standing or 4th year courses 2(a) A- in MAT357: Foundations of Real Analysis 2(b) A- in MAT337: Introduction to Real Analysis A- in MAT327: Introduction to Topology
MAT1120H1 S	Lie Groups & Lie Algebras I	1(a) MAT367H: Differential Geometry 1(b) MAT1300H: Differential Topology
MAT1128H1 S	Topics in Probability: Random Matter	1. MAT1600HF: Mathematical Probability I

CODE	TITLE	PREREQUISITES
MAT1192H1 S	Topics in Algebraic Geometry: Moduli Spaces in Algebraic Geometry	1(a) MAT1100: Algebra I 1(b) MAT347Y1: Groups, Rings, and Fields 1(c) MAT448H1: Introduction to Commutative Algebra and Algebraic Geometry
MAT1191H1 S	Topics in Algebraic Geometry: Curves and Surfaces	1. MAT454H: Complex Analysis II 2. MAT1100: Algebra I AND MAT1101: Alegbra II 3. MAT1200H: Algebraic Number Theory 4. MAT448H1: Introduction to Commutiative Algebra and Algebraic Geometry
MAT1312H1 S	Topics in Geometry: Meromorphic connections and the Stokes phenomenon	1. MAT267: Advanced Ordinary Differential Equations 2. MAT354: Complex Analysis 3(a) MAT363: Geometry of Curves and Surfaces 3(b) MAT367: Differential Geometry
MAT1341H1 S	Topics in Differential Geometry	1. MAT464H1: Riemannian Geometry 2. MAT1300H: Differential Topology
MAT1347H1 S	Topics in Symplectic Geometry & Topology: Introduction to Contact Geometry	1. MAT1300H: Differential Topology 2. MAT1301H: Algebraic Topology
MAT1360H1 S	Complex Manifolds: Abelian Varieties & Theta Functions	1(a) MAT1300H: Differential Topology 1(b) MAT367H1: Differential Geometry 1(c) MAT448H1: Introduction to Commutiative Algebra and Algebraic Geometry
MAT1435H1 S	Set Theory: Forcing & Its Applications	1(a) MAT409H1: Set Theory 1(b) reading course in Set Theory with Prof. Todorcevic
MAT1502H1 S	Topics in Geometric Analysis: Algebraic & Geometric Aspects of Kahler-Einstein Manifolds	1(a) MAT464H1: Riemannian Geometry 1(b) MAT367H1: Differential Geometry 2(a) MAT454H1: Complex Analyis II 2(b) MAT354H1: Complex Analysis I