

Math Education Track Requirements

Part A: Required Prerequisites

Math 1151	Calculus I*	5
Math 1152	Calculus II*	5
Math 1295	Introductory Seminar	1

Choose one of the following four:

CSE 1222	Introduction to Computer Programming in C++ for Engineers and Scientists	3
CSE 1223	Introduction to Computer Programming in Java	3
CSE 1224	Introduction to Computer Programming in Python	3
CSE 2221	Software I: Software Components	3

Part B: Major Program (Minimum grade of C- and GPA of 2.0)

Core Requirements

Math 2153 or 2182H	Calculus III* or Honors Calculus II*		4-5
Math 2568 or 2568H	Linear Algebra*	Prereq: Math 2153	3
Math 3345 or 3345H	Foundations of Higher Mathematics*	Prereq: Math 2153	3
Math 4530 or Stat 4201	Probability or Introduction to Mathematical Statistics I	Prereq: Math 2153	3-4
Stat 4202	Introduction to Mathematical Statistics II	Prereq: Math 4530 or Stats 4201	4

Required Courses

Math 4547	Introductory Analysis I	Prereq: Math 3345	3
Math 4548	Introductory Analysis II	Prereq: Math 4547	3
Math 4580	Abstract Algebra I*	Prereq: Math 2568 & 3345	3
Math 4581	Abstract Algebra II	Prereq: Math 4580	3
Math 4504	History of Mathematics*	Prereq: Math 2568	3
Math 4507	Geometry*	Prereq: Math 2568 & 3345	3
Math 4578	Discrete Mathematical Models*	Prereq: Math 2568 & (Math 4530 or Stats 4201)	4
Total Hours			39-41

*Courses required for admissions into the OSU MEd program

Additional courses required for admissions to the MEd program

ESEPSY 5401 or Psych 3551 Adolescent Learning/Development

EDUTL 5442 Teaching Reading Across the Curriculum

ESSPED 2251 Intro to Special Education Profession or EDUTL 5501 Inclusion Issues



Math Education Track Sample Schedule

	Autumn		Spring	
Year 1	Math 1151	5	Math 1152	5
	ARTSSCI 1100.01	1	Math 1295	1
	CSE 1222,1223,1224 or 222	3	English 1110	3
	GE	3	GE	3
	GE	3	GE	3
		15		15
Year 2	Math 2153	4	Math 3345	3
	GE	3	Math 2568	3
	GE	3	GE	3
	GE	3	GE	3
	GE	3		
		16		12
Year 3	Math 4530 or Stat 4201	3-4	Stat 4202	4
	Math 4547 or 4580	3	Math 4548 or 4581	3
	GE	3	Math 4504	3
	GE	3	GE	3
			12-13	
Year 4	Math 4547 or 4580	3	Math 4548 or 4581	3
	Math 4507	3	Math 4578	4
	GE	3	GE	3
			9	

Additional hours may be necessary depending on course selection.