

<b>Math Major, Theoretical Track</b> 38 - 39 semester credit hrs.			
Segment of major program	Semester course #	Semester course name	Units
<b>Prerequisites</b>			
	Math 1151	Calculus 1	5
	Math 1152	Calculus 2	5
	Math 1295	Math Major seminar	1
<b>Core major requirements</b>			
	Math 2153	Calculus 3	4
	Math 3345	Foundations of Higher Mathematics	3
	Math 2568	Linear Algebra	3
	Math 4530 or Stat 4201	Probability or Intro to Math Stat I	3 or 4
	Stat 4202	Intro to Math Stat II	4
<b>Required courses in track</b>			
	Math 2255	Differential Equations and Their Applications	3
	Math 4547	Introductory Analysis 1	3
	Math 4548	Introductory Analysis 2	3
	Math 4580	Abstract Algebra 1	3
	Math 4581	Abstract Algebra 2	3
<b>Electives (6 sem credit hours)</b>			
	Math 3589	Intro to Financial Math	3
	Math 3607	Beg. Scientific Computing	3
	Math 3618	Theory of Interest	3
	Math 4350	Quantitative Neuroscience	3
	Math 4504	History of Mathematics	3
	Math 4507	Geometry	3
	Math 4556	Dynamical Systems	3
	Math 4557	Partial Differential Equations and Boundary Value Problems	3
	Math 4551	Vector Analysis	3
	Math 4552	Complex Analysis	3
	Math 4573	Elementary Number Theory	3
	Math 4575	Combinatorial Mathematics and Graph Theory	3
	Math 4578	Discrete Mathematical Models	4
	Math 5632	Financial Economics	3

