THE OHIO STATE UNIVERSITY

Department of Mathematics
217 Mathematics Building
231 W. 18th Avenue
Columbus, OH 43210-1174
Math.osu.edu
mathadvisors@math.osu.edu

Math Honors Track 2 Requirements

This does NOT require ASC GE Honors

Part A: Required Prerequisites

Math 1151 & 1152	Calculus I & II				5,5
Part B: Major Program (Minimum grade of B- and math GPA of 3.2)					
Honors Track 2 Requirements:	***The Math 4181H & 4182H sequence plus at least four from eight 5000H- level math courses:***				
Math 4181H & 4182H	**Honors Analysis I & II**		Prereq: by permission		**5,5**
Math 4530 or Stat 4201	Probability or Intro to Mathematical Statistics I		Prereq: Math 2153 or 2182H		3-4
OR Math 5530H	***Honors Probability***		**Prereq: Math 5529H**		5
Stat 4202	Intro to Mathematical Statistics II		Prereq: Math 4530 or Stat 4201		4
Math 2568	Linear Algebra		Prereq: Math 2153		3
Math 2255	Differential Equations and Their Applications		Prereq: Math 2153		3
OR Math 5520H	Honors Linear Algebra & Differential Equations		Prereq: Math 4182H		5
Math 4580 & 4581	Abstract Algebra		Prereq: Math 2568 & 3345		3,3
OR Math 5590H & 5591H	**Honors Abstract Algebra I & II**		Prereq: Math 5520H		**5,5**
Minimum two electives (either regular or honors courses):					
Math 5522H	**Honors Complex Analysis**		Prereq: Math 5520H		**5**
Math 5529H	***Honors Combinatorics***		Prereq: Math 4182H		**5**
Math 5540H	***Honors Differential Geometry***		Prereq: Math 5520H		**5**
Math 5576H	***Honors Number Theory***		Prereq: Math 4182H		**5**
				Total Hours	**40-54**

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Math Honors Track 2 Sample Schedule : start in Math 4181H

	Autumn		Spring	
Year 1	**Math 4181H (AU only)**	5	**Math 4182H (SP only)**	**5**
	ARTSSCI 1110.01	1	English 1110	**3**
	GE	3	GE	3
	GE	3	GE	3
	GE	3		
		15		14
Year 2	***Math 5529H (even AU only)***	**5**	***Math 5530H (odd SP only)***	**5**
	OR Math 5576H (odd AU only)		***OR Math 5540H (even SP only***)	
	Math 5520H (AU only)	**5**	GE Language 1102	4
	GE Language 1101	4	GE	3
	GE	3	GE	3
		17		15
Year 3	***Math 5576H (odd AU only)***	**5**	**Math 5540H (even SP only**	**5**
	OR Math 5529H (even AU only)		***OR Math 5530H (odd SP only)***	
	GE	3	GE Language 1103	4
	GE	3	GE	3
	GE	3	GE	3
		14		15
Year 4	**Math 5590H (AU only)**	**5**	**Math 5591 (SP only)**	**5**
	Stat 4202	4	**Math 5522H (SP only)**	5
	GE	3	GE	3
	GE	3	GE	3
		15		16

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