

## Tentative Schedule of Math Courses for the Math Major Curricula: **BS**, **BA-Comp**, **BA-Stat**, **BA-Ed**. (except Math Field Experience)

Course	Title	BS	C	S	E	s.h.	Fall 19	Spring 20	Fall 20	Spring 21	Fall 21	Spring 22	Fall 22	Spring 23
Math 01205	Tech Tools for Discovering Math	o			o	2	✓		✓		✓		✓	
Math 01210	Linear Algebra	r	r	r	r	3	✓	✓	✓	✓	✓	✓	✓	✓
Math 01231	Ordinary Differential Equations	r	r	o		3	✓	✓	✓	✓	✓	✓	✓	✓
Math 01232	Math Modeling				r	3		✓		✓		✓		✓
Math 01310	College Geometry	o	o	o	r	4	✓	✓	✓	✓	✓	✓	✓	✓
Math 01330	Intro to Real Analysis I	r	r	o		3	✓	✓	✓	✓	✓	✓	✓	✓
Math 01331	Intro to Real Analysis II	o	o	o		3				✓				✓
Math 01332	Numerical Analysis	o	o	o	o	3				✓				✓
Math 01340	Modern Algebra I	r	r	r	r	3	✓	✓	✓	✓	✓	✓	✓	✓
Math 01341	Modern Algebra II	o	o	o	o	3		✓				✓		
Math 01352	Theory of Numbers	o	o	o	o	3	✓		✓		✓		✓	
Math 01354	Intro to Topology	o	o	o		3		✓				✓		
Math 01361	Intro to Real and Complex Variables				r	3	✓		✓		✓		✓	
Math 01386	Intro to Partial Diff Equations	o	o	o		3	✓	✓	✓	✓	✓	✓	✓	✓
Math 01410	History of Math	o	o	o	r	3	✓	✓	✓	✓	✓	✓	✓	✓
Math 01430	Intro to Complex Analysis	r	o	m		3		✓		✓		✓		✓
Math 01497	Mathematics Seminar for Educators (TBD)				r	3	✓	✓	?	✓	?	✓	?	✓
Math 01498	Mathematics Seminar	r	r	r		3	✓	✓	✓	✓	✓	✓	✓	✓
Math 03400	Applications of Math	o	o	o		3	✓				✓			
Math 03411	Deterministic Mods Oper Research	o	o	1	o	3		✓				✓		
Math 03412	Stochastic Mods Oper Research	o	o	1		3				✓				✓
Stat 02311	Statistical Computing	m	m	o		3		✓				✓		
Stat 02320	Concepts in Stat Data Analysis	r	r	r	r	3	✓	✓	✓	✓	✓	✓	✓	✓
Stat 02340	Elements of Stat Learning	o	m	1		3				✓				✓
Stat 02350	Regression Analysis	m	m	o		3			✓				✓	
Stat 02360	Probability & Random Variables	r	o	r	o	3	✓	✓	✓	✓	✓	✓	✓	✓
Stat 02361	Math Stat	o	o	r		3	✓		✓		✓		✓	
Stat 02371	Design of Experiments: Analysis Variance	o	o	1		3	✓				✓			
Course	Title	BS	C	S	E	s.h.	Fall 19	Spring 20	Fall 20	Spring 21	Fall 21	Spring 22	Fall 22	Spring 23

**Key:** r = required for BS; or Foundational or Mid-Level (required) for the BA

1 = Restricted Elective Group 1 for the BA-Statistics Concentration

o = Restricted Elective course, including Group 2 for the BA-Statistics Concentration (o = program needs update; variance for now)

m = maybe later; no variance now