

SUMMARY OF MATH & STATS QUARTER AND SEMESTER EQUIVALENT COURSES

CORE

	Quarter		Semester	
Calculus	MAT 114	12	1140	8
	MAT 115		1150	
	MAT 116			
Multivariable Calculus	MAT 214	6	MAT 2140	4
	MAT 215			
Linear Algebra and Differential Equations	MAT 208	8	MAT 2250	4
	MAT 216			
Numerical Analysis	CS 128	8	MAT 2010/L	3
	MAT 201			
Proofs	MAT 310	4	MAT 3100	4
Real Analysis	MAT 314	8	MAT 3140	4
	MAT 315			
Abstract Algebra	MAT 417	8	MAT 4170	4
	MAT 418			
Complex Analysis	MAT 428	4	MAT 4280	4
Probability and	STA 241	8	STA 2100	7
	STA 341		STA 2200	

Pure/Secondary Teacher Prep option

	Quarter		Semester	
History of math	MAT 306	4	MAT 3060	3
Topology	MAT 321	4	MAT 4210	3
Number Theory	MAT 325	4	MAT 3250	3
Euclidean Geometry	MAT 330	4	MAT 3300	4
Graph Theory	MAT 370	4	MAT 4750	3
Real Analysis	MAT 413	4	MAT 3150	3
Modern Geometry	MAT 415/416	4	MAT 3310	3
Linear Algebra	MAT 419	4	MAT 4190	4
Differential Geometry	MAT 420	4	MAT 4200	3
Complex Analysis	MAT 429	4		
Secondary Topics	MAT 497/A	4	MAT 4960	4
Mathematical Logic	MAT 450	4		
Combinatorics	MAT 470	4	MAT 3470	3
Abstract Algebra			MAT 4180	3
Secondary Topics			MAT 4950	4

Add up all the quarter units, Q, and the semester units, S. The sum

$$\frac{2}{3} \times Q + S$$

must be greater than or equal to 60

Applied/Stats Option

	Quarter		Semester	
Graph Theory	MAT 370	4	MAT 4750	3
Operation Research I	MAT 380	4	MAT 3800	3
Operations Research II	MAT 381	4	MAT 3810	3
Numerical Analysis I	MAT 401	4	MAT 4010	3
Numerical Analysis II	MAT 402	4	MAT 4020	3
Diff Eq I	MAT 431	4	MAT 4310	3
Diff Eq II	MAT 432	4	MAT 4320	3
Combinatorics	MAT 470	4	MAT 3470	3
Math Programming	MAT 480	4	MAT 4800	3
Modeling I	MAT 485	4	MAT 4850	3
Modeling II	MAT 486	4	MAT 4860	3
Vector and Tensor Analysis			MAT 4440	3
Linear Algebra	MAT 419	4	MAT 4190	4
Sampling Methods	STA 310	4	STA 3100	3
Nonparametric Stats	STA 420	4	STA 4200	3
Survival Analysis	STA 425	4	STA 4250	3
Random Processes	STA 430	4	STA 4300	4
Regression Analysis	STA 432	4	STA 4320	4
Analysis of Variance	STA 435	4	STA 4350	4
Math Stats I	STA 440	4	STA 4400	3
Math Stats II	STA 441	4	STA 4430	3
Categorical Data Analysis			STA 4700	3