

# Recommended Plan of Study for Mathematics BS / Biostatistics MS

rev. 10/28/2022

Fall (1)	Spring (1)	Fall (2)	Spring (2)	Fall (3)	Spring (3)	Fall (4)	Spring (4)	Sum (5)	Fall (5)	Spring (5)
Calc I Math:1850 4 s.h.	Calc II Math:1860 4 s.h.	Calc III MATH:2850 4 s.h.	Optimization Techniques MATH:4820 3 s.h.	Fund Prop Spaces & Funct. MATH:3770 4 s.h.	Large Data Analysis MATH:4740 3 s.h.	Biostat Computing BIOS:5510 4 s.h.		Option: EPID:4400 and/or another elective	Epi I EPID:4400 3 s.h.	Stat Methods Clinical Trials BIOS:6610 3 s.h.
	Intro to Linear Algebra MATH:2700 4 s.h.	Math Elective Num. Analysis MATH:3800 3 s.h.	Computer Sci I: Fundamentals CS:1210 4 s.h.			Math Stat I STAT:4100 * 3 s.h.	Math Stat II STAT:4101 * 3 s.h.		CPH:6100 Essentials of Public Health 2 s.h.	Preceptorship BIOS:7500 3 s.h.
						Bios Methods I BIOS:5710 * 4 s.h.	Bios Methods II BIOS:5720 * 4 s.h.	MS Core Examination (July)	Biost Elective 9 s.h.	Biost Elective 2 s.h.
							Bios Methods Categorical Data * BIOS:5730 3 s.h.			Scholarly Integ. Biostatistics BIOS:7270 1 s.h.
4 GE Courses for 12 s.h. (16 s.h.)	3 GE Courses for 8 s.h. (16 s.h.)	3 GE Courses for 9 s.h. (16 s.h.)	3 GE Courses for 9 s.h. (16 s.h.)	4 GE Courses for 12 s.h. (16 s.h.)	4 GE Courses for 12 s.h. (15 s.h.)	2 GE Courses for 4 s.h. (15 s.h.)				
Cum Cr: 16	Cum Cr: 32	Cum Cr: 48	Cum Cr: 64	Cum Cr: 80	Cum Cr: 95	Cum BS Cr: 110 Cum MS Cr: 8	Cum Cr: 120 Cum MS Cr: 15		Cum MS Cr: 29	Cum MS Cr: 38

Undergrad credit

Cross-credit

grad credit

Math elective/  
MS degree  
requirement

- (1) 15 s.h. of MATH electives cross count for BS and MS s.h. (green box), but these courses must be taken after application to the MS program; therefore, they must occur in the 4th year of study. A maximum of 15 s.h. graduate credit may be accrued in year-4.
- (2) STAT:5100/5101 may substitute for STAT:4100/4101 in year-4
- (3) STAT:4100/4101 and BIOS:5710/5720/5730 (\*) are MS core courses and should be taken in 4th year of study.
- (4) minimum 23 s.h. graduate credit after receiving Bachelor degree

