

M.S. IN APPLIED STATISTICS - BIOSTATISTICS AND BIOINFORMATICS CONCENTRATION

College of the Sciences and Mathematics

Curriculum

Code	Title	Credits
Required		
STA 503	Introduction to R	1
STA 505	Mathematical Statistics I	3-4
or STA 504	Mathematical Statistics I with Calculus Review	
STA 506	Mathematical Statistics II	3
STA 507	Introduction to Categorical Data Analysis	3
STA 511	Intro Stat Computing & Data Management	3
STA 512	Principles of Experimental Analysis	4
STA 513	Intermediate Linear Models	4
STA 514	Modern Experimental Design	3
Electives		
Select 9 credits from the following list of electives (other STA electives may be substituted with permission of the Program Director):		9
STA 532	Survival Analysis	
STA 533	Longitudinal Data Analysis	
STA 537	Advanced Statistical Programming Using SAS	
STA 539	Applied Bayesian Methods	
STA 540	Statistical Consulting	
STA 541	Categorical Data Analysis II	
STA 542	Statistical Methods for Observational Studies	
STA 545	Statistical Design and Analysis of Clinical Trials	
STA 546	Foundations of Bioinformatics	
STA 601	Internship In Applied Statistics	
STA 609	Thesis I	
STA 610	Thesis II	
Total Minimum Credits Required		33