THE UNIVERSITY OF MEMPHIS
School of Public Health

MS: Biostatistics Curriculum

General Core Courses		
PUBH 7170	Epidemiology in Public Health	3
PUBH 7180	Foundations of Public Health	3

Biostatistics/Statistics Core Courses		
PUBH 7150	Biostatistical Methods I	3
PUBH 7152	Biostatistical Methods II	3
PUBH 7311	Applied Categorical Analysis	3
PUBH 7309	Applied Survival Analysis in Public Health	3
PUBH 7310	Mixed Model Regression Analysis	3
MATH 6636	*Introduction to Statistical Theory	3
MATH 7654	Inference Theory	3

Other Requirements		
	Elective	3
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	One of the following:	
PUBH 7992	Master's Project Seminar *(with written comprehensive exam)*	3
PUBH 7996	Master's Thesis *(with defense as oral comprehensive exam)*	3
	Total Program Hours	**36**

Elective Options:

1) Advanced SAS/R Programming – PUBH 7190 (3)
2) Bayesian Inference – MATH 7680 (3)
3) Applied Multivariate Statistics – PUBH 7308 (3)
4) Large Data Sets – PUBH 7104 (3)
5) Biostatistics in Bioinformatics – PUBH 7153 (3)
6) Epidemiology in Public Health II (PUBH 7172) (3)
7) Epidemiologic Survey Methods (PUBH 7141) (3)
8) Spatial Analysis and Simulation for Urban Health (PUBH 7300) (3)
9) Randomized Clinical Trials (PUBH 7450) (3)
10) Managerial Epidemiology (HADM 7206) (3)
11) Health Administration Information Systems (HADM 7109) (3)

*Students to take MATH 6636 are required to meet its pre-requisite, Introduction to Probability Theory (MATH 6635). Each student's academic advisor will ensure that his/her advisees meet the requirement before taking MATH 6636.

MASTER'S DOCTORAL CEPH ACCREDITED

The School of Public Health is accredited by the Council on Education for Public Health (CEPH).