DEPARTMENT OF BIOSTATISTICS AND HEALTH DATA SCIENCE
MS DEGREE IN BIOSTATISTICS (HDS) REQUIREMENT WORKSHEET

Student: PeopleSoft #:

Start Date:

Statute of Limitations:

Academic Advisor:

Provisional Requirements

For students accepted provisionally

Completed	Provision	Credits	Term

Course Requirements

A minimum of 40 credits are required

Core (Required) Courses

Completed	Course #	Course Name	Credits	Grade	Credit Transfer	Waiver
	BIOST 2025	Biostatistics Seminar	1			
	BIOST 2081	Mathematical Methods for Statistics	3			
	BIOST 2131	Foundations of Statistical Theory	4			
	BIOST 2141	Biostatistical Methods	3			
	BIOST 2142	Applied Regression Analysis	3			
	BIOST 2146	Introduction to Health Data Science	3			
	BIOST 2155	Introductory Statistical Learning for Health Sciences	2			
	BIOST 2160	Data Visualization for Health Data Science	3			
	BIOST 2179	Biostatistics Consulting Practicum*	1			
	EPIDEM 2110	Principles of Epidemiology	3			
	PUBHLT 2011	Essentials of Public Health	3			
	PUBHLT 2022	Public Health Grand Rounds	0			
			0			
	BIOST 2198	MS Thesis Preparation**	1			
	BIOST 2199	MS Thesis**	2			

** MS students should enroll after completing as many Biostatistics core courses as possible and no sooner than passing the MS comprehensive exam.*

*** After successfully completing the MS Comprehensive Examination, students must enroll in a total of three credits across two semesters: BIOST 2198 (1 credit) in the penultimate semester to develop the thesis topic, and BIOST 2199 (2 credits) in the final semester to complete the thesis.*

HDS Electives

Students must complete HDS elective credits to bring the total number of course credits to 40. Students must choose at least **eight (8) credits** of elective courses from the list provided below. In situations where a student's special interests or needs indicate an alternative course outside of the department is more appropriate it may be substituted with the permission of the student's academic advisor. Additional Biostatistics Seminar (BIOST 2025) credits cannot be used to fulfill elective credits.

Completed	Course #	Course Name	Credits	Grade	Credit Transfer
	BIOST 2080	Advanced Statistical Learning	2		
	BIOST 2151	Bayesian Data Science	3		
	BIOST 2173	SAS for Data Management & Analysis	2		
	BMIS 2542	Data Programming Essentials with Python	3		
	BMIS 2588	Data Base Management	3		
	INFSCI 2160	Data Mining	3		
	INFSCI 2410	Introduction to Neural Networks	3		
	INFSCI 2595	Machine Learning	3		
	INFSCI 2725	Data Analytics *(Prior R, Java, or Python programming experience required)*	3		
	PHARM 5834	Python for Data Management and Analytics	3		
	STAT 2270	Data Mining	3		

MS Comprehensive Examination

Attempt	Date	Result
First		
Second *(if applicable)*		

MS Thesis/Capstone

	Date	Result
Defense Presentation		

Term	Term GPA	Term Credits	CUM. GPA	CUM. Credits

Notes