DEPARTMENT OF BIOSTATISTICS AND HEALTH DATA SCIENCE
MS DEGREE IN BIOSTATISTICS (GENERALIST) 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 2143	Longitudinal and Clustered Data Analysis	3			
	BIOST 2150	Applied Survival Analysis: Methods and Practice	3			
	BIOST 2173	SAS for Data Management and Analysis (or SAS equiv.)*	2			
	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			

** A course in **SAS** with a minimum of 2 credits is required. Students may fulfill this requirement with EPID 2185 (offered in Fall) or another approved course that covers equivalent content in **SAS**, with advisor approval; Exemption form for BIOST 2173 will need to be filled out.*

*** 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.*

Electives

Students must complete BIOST 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 2067	Applied Meta-Analysis	1		
	BIOST 2080	Advanced Statistical Learning	2		
	BIOST 2146	Introduction to Health Data Science	3		
	BIOST 2151	Bayesian Data Science	3		
	BIOST 2154	Statistical Methods for Omics Data	2		
	BIOST 2155	Intro Stat Learning for Health Sciences	2		
	BIOST 2160	Data Visualization for Health Data Science	3		
	BIOST 2162	Clinical Trials: Methods and Practice	3		
	BIOST 2165	Statistical Evaluation of Biomarkers and Classification Tools	3		
	BIOST 2168	Introduction to Causal Inference	3		
	BIOST 2174	Advanced R Computing	2		

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