DEPARTMENT OF BIOSTATISTICS AND HEALTH DATA SCIENCE
PHD DEGREE IN BIOSTATISTICS REQUIREMENT WORKSHEET

Student Name: PeopleSoft #:

Entered Program:

Statute of Limitation:

Advisor:

Provisional Requirements
For students accepted provisionally

Completed	Provision	Credits	Term

Course Requirements
A minimum of 72 credits are required

Core (Required) Courses

Completed	Course #	Course Name	Credits	Grade	Credit Transfer	Waiver
	BIOST 2025	Biostatistics Seminar	1			
			1			
			1			
	BIOST 2141	Biostatistical Methods	3			
	BIOST 2142	Applied Regression Analysis	3			
	BIOST 2143	Longitudinal and Clustered Data Analysis	3			
	BIOST 2173	SAS for Data Management & Analysis (or equiv.)*	2			
	BIOST 2179	Biostatistics Consulting Practicum	1			
	BIOST 3000	Doctoral Teaching Practicum**	3			
	BIOST 3011	Introduction to Statistical Inference 1	3			
	BIOST 3012	Introduction to Statistical Inference 2	3			
	BIOST 3021	Advanced Statistical Inference 1	3			
	BIOST 3022	Advanced Statistical Inference 2	3			
	BIOST 3025	Linear Models	3			
	BIOST 3042	Mixed Models	3			
	BIOST 3050	Survival Analysis	3			
	EPIDEM 2110	Principles of Epidemiology	3			
	PUBHLT 2011	Essentials of Public Health	3			
	PUBHLT 2022	Public Health Grand Rounds	0			
			0			

* A course in statistical programming with a minimum of 2 credits is required. Students may fulfill this requirement with another course that covers similar statistical programming content in R, Python, Stata or SAS, with advisor approval; [Exemption form](#) for BIOST 2173 will need to be filled out.
** The requirement of BIOST 3000 applies to students admitted in Fall 2024 and onwards.

Biostatistics and Health Data Science Electives

In situations where a student's research interests or needs indicate alternative statistics, data science or machine learning courses outside the department are more appropriate, it may be substituted with the permission of the student's academic or dissertation advisor.

*At least **eighteen (18) credits** of the following courses:*

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	Introductory Statistical Learning for Health Sciences	2		
	BIOST 2160	Data Visualization for Health Data Science	3		
	BIOST 2162	Clinical Trials: Methods & Practice	3		
	BIOST 2165	Statistical Evaluation of Biomarkers & Classification Tools	3		
	BIOST 2168	Introduction to Causal Inference	3		
	BIOST 2174	Advanced R Computing	2		
	BIOST 3065	Analysis of Data with Missing Values	3		

Domain knowledge and Career Development Electives

*At least **three (3) credits** taken outside BIOST:*

Completed	Course #	Course Name	Credits	Grade	Credit Transfer

Research/Dissertation Courses

3 credits of BIOST 3010 or 1 term of FTDR 3999

☐ BIOST 3010
☐ FTDR 3999

Milestones

1. **Doctoral Preliminary Evaluation (Qualifying Exam)**

Attempt	Theory	Applied	Overall	Date
First				
Second *(if applicable)*				

2. **Doctoral Overview/Prospectus**_____

3. **Doctoral Comprehensive Exam** _____

4. **Admission Doctoral Candidacy**_____

5. **Manuscript Submitted**_____

   At least one of the manuscripts, based on the dissertation and first authored by the student, must be submitted before the PhD dissertation defense.

6. **Dissertation Defense** _____

7. **Exit Survey**_____

Term	Term GPA	Term Credits	CUM. GPA	CUM. Credits	IDP

Notes