# DEPARTMENT OF BIOSTATISTICS AND HEALTH DATA SCIENCE
# MS DEGREE IN BIOSTATISTICS (SCG) 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 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 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.*

**SCG Electives**

Students must complete SCG elective credits to bring the total number of course credits to 40. Students must choose at least **nine (9) 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 |
|---|---|---|---|---|---|
| | BIOSC 2140 | Genomics | 2 | | |
| | BIOSC 2940 | Molecular Biology | 3 | | |
| | BIOST 2080 | Advanced Statistical Learning | 2 | | |
| | HUGEN 2020 | Intro to Population Genetics and Genetic Epidemiology | 3 | | |
| | HUGEN 2029 | Introduction to Gene Mapping | 3 | | |
| | HUGEN 2071 | Genomic Data Processing & Structure | 3 | | |
| | HUGEN 2072 | Genomic Data Pipelines & Tools | 3 | | |
| | HUGEN 2073 | Genomic Data Visualization & Integration | 3 | | |
| | HUGEN 2080 | Statistical Genetics | 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 |
|---|---|---|---|---|
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**Notes**