

**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

| Completed | Provision |
|-----------|-----------|
| | |

Course Requirements

A minimum of 40 credits are required.

Core Courses

| Completed | Course | 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 2174: Advanced R Programming | 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 | | | | |
| | – 1 st term | 0 | | | |
| | – 2 nd term | 0 | | | |
| | BIOST 2021: Special Studies or BIOST 2022, 2099 Capstone Sequence * | | | | |
| | – 1st term (BIOST 2021 or BIOST 2022) | 1 | | | |
| | – 2nd term (BIOST 2021 or BIOST 2099) | 2 | | | |

**Upon successful completion of the MS Comprehensive Examination requirement, MS students are required to register for either two-semester, three credits total, of Special Studies (BIOST 2021) or Capstone sequence (BIOST 2022: Capstone preparation and BIOST 2099 Capstone): 1 credit in the penultimate semester of study to prepare a thesis topic and 2 credits taken in the final semester for the thesis work.*

SCG Electives

Students must complete SCG elective credits to bring the total number of course credits to 40 (including three credits earned later for Thesis/Capstone studies). BIOST 2025 cannot be used fulfill elective credits. Students must choose at least 10 credits of elective courses from the list provided below*.

| Completed | Course | Credits | Grade | Credit Transfer |
|------------------|--|----------------|--------------|------------------------|
| | BIOSC 2140: Genomics | 2 | | |
| | BIOSC 2940: Molecular Biology | 3 | | |
| | BIOST 2080: Advanced Statistical Learning | 2 | | |
| | HUGEN 2020: Introduction 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 | | |

** In situations where a student's special interests or needs indicate an alternative course is more appropriate it may be substituted with the permission of the student's academic advisor BIOST 2025 cannot be used to fulfill elective credits*

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