Effective for those following the 2023/2024 academic curriculum guide

**REQUIRED CORE COURSES** - (16 units)

- EPID 573A  Basic Principles of Epidemiology (3)
- PHPM 574  Public Health Policy & Management (3)
- EHS 575  Environmental & Occupational Health (3)
- BIOS 576A  Biostatistics in Public Health (3)
- HPS 577  Sociocultural & Behavioral Aspects of Public Health (3)
- BIOS 580  Integrated Public Health Learning Experience - MPH capstone course (1)

Master’s Report Preparation Workshop
(required; non-credit; semester before Master’s Report begins)

Interprofessional Education Activities
(documentation required; non-credit)

**REQUIRED BIOSTATISTICS COURSES** - (17 units)

- BIOS 576B  Biostatistics for Research (3)
- BIOS 576C  Applied Biostatistics Analysis (3)
- BIOS 576D  Data Management and the SAS Programming Language (3)
- BIOS 647  Analysis of Categorical Data (3)
- BIOS 909  Master’s Report (5)

**ELECTIVE COURSES** - (minimum 9 units, approved by Faculty Mentor)

At least 6 units from the following courses:

- BIOS 648  Analysis of High Dimensional Data (3)
- BIOS 675  Clinical Trials and Intervention Studies (3)
- BIOS 684  General Linear and Mixed Effects Models (3)
- BIOS 686  Survival Analysis (3)

Other elective courses:

- EPID 677  Genetic Association Studies (3)
- BIOS 685  Special Topics in Biostatistics (3)
- STAT 571A  Advanced Statistical Regression Analysis (3)
- STAT 571B  Design of Experiments (3)
- STAT 675  Statistical Computing (3)

**Total Required Credit Hours: 42**
# Biostatistics Recommended Course Sequencing

**Effective for those following the 2023/2024 academic curriculum guide**

## FIRST YEAR

<table>
<thead>
<tr>
<th>Fall Semester - (9 units)</th>
<th>Spring Semester - (9 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 576A* Biostatistics in Public Health (3)</td>
<td>BIOS 576B Biostatistics for Research (3)</td>
</tr>
<tr>
<td>EPID 573A* Basic Principles of Epidemiology (3)</td>
<td>PHPM 574* Public Health Policy &amp; Management (3)</td>
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<td>EHS 575* Environmental &amp; Occupational Health (3)</td>
<td>HPS 577* Sociocultural &amp; Behavioral Aspects of Public Health (3)</td>
</tr>
<tr>
<td>Master’s Report Preparation Workshop (required; non-credit)</td>
<td></td>
</tr>
</tbody>
</table>

## SECOND YEAR

<table>
<thead>
<tr>
<th>Fall Semester - (12 units)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOS 576C ¹ Applied Biostatistics Analysis (3)</td>
<td>BIOS 647 ² Analysis of Categorical Data (3)</td>
</tr>
<tr>
<td>Elective(s) (Approved by Faculty Mentor) (6)</td>
<td>BIOS 909 ** Master’s Report (5)</td>
</tr>
<tr>
<td>BIOS 576D ¹ Data Management and the SAS Programming Language (3)</td>
<td>Elective (Approved by Faculty Mentor) (3)</td>
</tr>
<tr>
<td>BIOS 580</td>
<td>BIOS 580 Integrated Public Health Learning Experience - MPH capstone course (1)</td>
</tr>
</tbody>
</table>

## IMPORTANT GUIDELINES

**Bolded courses in first fall semester indicate essential courses for the student to take that semester.**

* MPH required core courses are offered fall & spring semesters, allowing flexibility. The modality and number of offerings may vary by semester and are subject to change. All five 3-unit Core Courses must be complete prior to the student’s final term in the program.

**Prerequisites for BIOS 909 – Master’s Report:** At least 3 MPH core courses and BIOS 576A and BIOS 576B. BIOS 909 may be taken in one or more semesters and the credits may be split across semesters. Final report cannot be submitted until all five 3-unit core courses have been completed.

¹ BIOS 576C and BIOS 576D are only offered in the Fall Semester.

² BIOS 647 is only offered in the Spring Semester.