

UNIVERSITY OF ARIZONA
MEL & ENID ZUCKERMAN COLLEGE OF PUBLIC HEALTH
MPH – Biostatistics Concentration
Curriculum and Recommended Course Sequencing

MPH – BIOS Curriculum (effective for 2018/2019 academic catalog)

Required Core Courses (16 credits)

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 (1)
Internship Preparation Workshop (required; non-credit)
Interprofessional Education Activities (*documentation
required; non-credit*)

Required Biostatistics Courses (26 credits)

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 "Internship" (5)
BIOS Electives (approved by faculty mentor) (9), **BIOS:**
648 Analysis of High Dimensional Data (Sp-even years),
675 Clinical Trials (Sp), 684 General Linear and Mixed
Effects Models (F), 686 Survival Analysis (Sp)

Total Credit Hours: 42

Recommended Course Sequencing (effective for 2018/2019 academic catalog)

First Year

Fall Semester (9 credits)

BIOS 576A Biostatistics in Public Health (3)*
EPID 573A Basic Principles of Epidemiology (3)*
EHS 575 Environmental & Occupational Health (3)*

Spring Semester (9 credits)

BIOS 576B Biostatistics for Research (3)
PHPM 574 Public Health Policy & Management (3)*
HPS 577 Sociocultural & Behavioral Aspects of
Public Health (3)*
Internship Preparation Workshop (*required; non-
credit*)

Second Year

Fall Semester (12 credits)

BIOS 576C Applied Biostatistics Analysis (3)
Elective(s) (approved by faculty mentor) (6)
BIOS 576D Data Management and the SAS
Programming Language (3)

Spring Semester (12 credits)

BIOS 647 Analysis of Categorical Data (3)
BIOS 909 Master's Report "Internship" (5) §
Elective (approved by faculty mentor) (3)
BIOS 580 Integrated Public Health Learning Exper. (1)

* 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.

§ **BIOS 909 Master's Report "Internship" - Prerequisite Courses:** 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. **Note:** The final internship report may not be completed until the semester following the completion of all five MPH core classes. All five core courses must be completed prior to the student's final semester.