



THE UNIVERSITY OF ARIZONA

Mel & Enid Zuckerman
College of Public Health

MPH – Biostatistics Curriculum & Recommended Course Sequencing

Effective for those following the 2021/2022 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)
Internship Preparation Workshop (required ; non-credit; semester before internship 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 "Internship" (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

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FIRST YEAR			
Fall Semester - (9 units)		Spring Semester - (9 units)	
BIOS 576A*	Biostatistics in Public Health (3)	BIOS 576B	Biostatistics for Research (3)
EPID 573A*	Basic Principles of Epidemiology (3)	PHPM 574*	Public Health Policy & Management (3)
EHS 575*	Environmental & Occupational Health (3)	HPS 577*	Sociocultural & Behavioral Aspects of Public Health (3)
		Internship Preparation Workshop (required; non-credit)	
SECOND YEAR			
Fall Semester - (12 units)		Spring Semester - (12 units)	
BIOS 576C ¹	Applied Biostatistics Analysis (3)	BIOS 647 ²	Analysis of Categorical Data (3)
Elective(s)	(Approved by Faculty Mentor) (6)	BIOS 909 **	Master's Report "Internship" (5)
BIOS 576D ¹	Data Management and the SAS Programming Language (3)	Elective	(Approved by Faculty Mentor) (3)
		BIOS 580	Integrated Public Health Learning Experience - MPH capstone course (1)
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 "Internship": 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.			