

## MPH Biostatistics 48-Credit Concentration

(Accelerated 42 Credit Option for Health Professionals MD, DVM, DMD/DDS, PharmD, etc.)

<b>I. Public Health Core: 18 credits</b>		<b>Credits</b>	<b>*Semester</b>
PHC 6052	Introduction to Biostatistical Methods (blended)	3	F
PHC 6001	Principles of Epidemiology (blended)	3	F
PHC 6313	Environmental Health Concepts in PH	3	F
HSA 6114	Health Care System and Policy (blended)	3	F
PHC 6410	Psychological, Behavioral, and Social Issues in PH (blended)	3	F
PHC 6940	Master of Public Health Capstone	3	F,S,ss
<b>II. Concentration Core: 12 credits</b>		<b>Credits</b>	<b>*Semester</b>
PHC 6053	Regression Methods for Health and Life Sciences (online)	3	S
PHC 6059	Introduction to Applied Survival Analysis	3	F
PHC 6089	PH Computing	3	F,S,ss
PHC 6000	Epidemiology Research Methods I	3	S
<b>III. Concentration Electives**: 9-12 credits (Accelerated: 6 Credits)</b>		<b>Credits</b>	<b>*Semester</b>
PHC 6011	Epidemiology Research Methods II	3	ss
PHC 6022	Design and Conduct of Clinical Trials	3	F
PHC 6251	Assessment & Surveillance in Public Health	3	ss
PHC 6711	Measurement in Epidemiology and Outcomes Research	3	F
PHC 6064	Survey of Advanced Biostatistical Methods for the Health Sciences	3	S
PHC 6937	Data Visualization in Health Sciences ( <i>prereq: PHC 6052</i> )	3	S
PHC 6937	Causal Inference ( <i>prereq: PHC 6053 and R programming</i> )	3	S (odd)
STA 5503	Categorical Data Methods	3	S
STA 5507	Applied Nonparametric Methods	3	F (odd)
STA 5701	Applied Multivariate Methods	3	S (odd)
STA 5325	Fundamentals of Probability ( <i>Prereq: MAC 2313</i> )	3	F,S,ss
STA 5328	Fundamentals of Statistical Theory ( <i>Prereq: MAC 2313</i> )	3	F,S,ss
PHC 6917	Supervised Research (Requires approval of research supervisor, consent of faculty advisor, and final approval by APE Coordinator)	1-3	F,S,ss
<b>IV. Public Health Electives: 3-6 credits (Accelerated: 3 Credits)</b>		<b>Credits</b>	<b>*Semester</b>
PHC Courses	Public health coursework offered by the other tracks	3	F,S,ss
<b>V. Applied Practice Experience: 3-6 credits (Accelerated: 3 Credits)</b>		<b>Credits</b>	<b>*Semester</b>
PHC 6941	MPH Applied Practice Experience	3-6	F,S,ss

\*F=Fall; S=Spring; ss=Summer. Class schedules are subject to change.

\*\*Other courses may be substituted or added with the approval of the concentration coordinator.