

MPH Biostatistics 48-Credit Concentration
(Accelerated 42 Credit Option for Health Professionals MD, DVM, DMD/DDS, PharmD, etc.)

| I. Public Health Core: 18 credits | | Credits | *Semester |
|--|--|----------------|------------------|
| 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 |
| II. Concentration Core: 12 credits | | Credits | *Semester |
| 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 |
| III. Concentration Electives**: 9-12 credits (Accelerated: 6 Credits) | | Credits | *Semester |
| PHC 6011 | Epidemiology Research Methods II | 3 | ss |
| PHC 6937 | Data Visualization in Health Sciences (<i>prereq: PHC 6052</i>) | 3 | S |
| PHC 6937 | Casual Inference (<i>prereq: PHC 6053 and R programming</i>) | 3 | S (odd) |
| PHC 6022 | Design and Conduct of Clinical Trials | 3 | F |
| STA 5503 | Categorical Data Methods | 3 | S |
| PHC 6251 | Assessment & Surveillance in Public Health | 3 | ss |
| STA 5507 | Applied Nonparametric Methods | 3 | F (odd) |
| STA 5701 | Applied Multivariate Methods | 3 | S (odd) |
| PHC 6711 | Measurement in Epidemiology and Outcomes Research | 3 | F |
| 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 (<i>Requires approval of research supervisor and faculty advisor</i>) | 1-3 | F,S,ss |
| IV. Public Health Electives: 3-6 credits (Accelerated: 3 Credits) | | Credits | *Semester |
| PHC Courses | Public health coursework offered by the other tracks | 3 | F,S,ss |
| V. Applied Practice Experience: 3-6 credits (Accelerated: 3 Credits) | | Credits | *Semester |
| 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.

College of Public Health and Health Professions
 Student Plan of Study: Biostatistics – 48 credit
 (Accelerated 42 Credit Option for Health Professionals MD, DVM, DMD/DDS, PharmD, etc.)

| Graduate Year 1 | | | Graduate Year 2 | | |
|--|------------|---|---|------------|---|
| <i>Notes</i> | | | Summer Semester Total Hrs 6 credits (Accelerated: 3 Credits) | | |
| | | | Course | Hrs | Title |
| | | | <i>Concentration or Public Health Elective(s)</i> | | |
| | | | PHC 6251 | 3 | Assessment & Surveillance in Public Health <i>(Recommended Elective)</i> |
| | | | | 3 | |
| Fall Semester Total Hrs 12 credits | | | Fall Semester Total Hrs 9-12 credits (Accelerated: 9 Credits) | | |
| Course | Hrs | Title | Course | Hrs | Title |
| <i>Public Health Core</i> | | | <i>Public Health Core</i> | | |
| PHC 6052 | 3 | Introduction to Biostatistical Methods | PHC 6313 | 3 | Environmental Health Concepts in PH |
| PHC 6001 | 3 | Principles of Epidemiology | <i>Concentration Core</i> | | |
| HSA 6114 | 3 | Health Care System and Policy | PHC 6059 | 3 | Introduction to Applied Survival Analysis |
| PHC 6410 | 3 | Psych, Soc & Behavioral Issues in Public Health | <i>Concentration or Public Health Elective(s)</i> | | |
| | | | | 3 | |
| | | | | 0-3 | |
| Spring Semester Total Hrs 12 credits | | | Spring Semester Total Hrs 6-9 credits (Accelerated: 6 Credits) | | |
| Course | Hrs | Title | Course | Hrs | Title |
| <i>Concentration Core</i> | | | <i>Applied Practice Experience</i> | | |
| PHC 6000 | 3 | Epidemiology Research Methods I | PHC 6941 | 3-6 | Applied Practice Experience |
| PHC 6053 | 3 | Regression Meth for Health and Life Sciences (online) | <i>Public Health Core</i> | | |
| PHC 6089 | 3 | Public Health Computing | PHC 6940 | 3 | MPH Capstone |
| <i>Concentration or Public Health Elective (s)</i> | | | | | |
| | 3 | | | | |