

Curriculum for M.P.H. in Biostatistics (First Year Students)

The M.P.H. degree requires a total of 20 course units. The M.P.H. in Biostatistics requires the student to complete or acquire an exemption from the following courses. All “a” courses are offered in the fall term, and “b” courses are offered in the spring term. Full time students must carry a minimum of 4 course units each semester.

Requirements

| <i>Completed?</i> | <u>CORE REQUIREMENTS</u> | <i>Course Units</i> |
|-------------------|--|---------------------|
| _____ | BIS 505a, Introduction to Statistical Thinking I | 1 |
| _____ | BIS 505b, Introduction to Statistical Thinking II | 1 |
| _____ | CDE/EMD 508, Principles of Epidemiology I | 1 |
| _____ | EPH 515b, Seminar on Introduction to Research Ethics | n/a |
| | One of the following three: | |
| _____ | EHS 510a, Contemporary Issues in Environmental Health | 1 |
| _____ | EHS 511b, Applied Risk Assessment | 1 |
| _____ | EHS 503a, Introduction to Toxicology | 1 |
| | One of the following two: | |
| _____ | CDE 505a, Social and Behavioral Influences on Health | 1 |
| _____ | CDE 571b, Psychosocial and Behavioral Epidemiology | 1 |
| | One of the following two: | |
| _____ | HPA 510a, Health Policy and Health Systems | 1 |
| _____ | HPA 560b, Healthcare Finance and Delivery | 1 |
| | To fulfill the Public Health Practice requirement, choose one of the following three: | |
| _____ | CDE 542b, Community Health Program Planning | 1 |
| _____ | EPH 500b, Public Health Practicum | 1 |
| _____ | EPH 520c, Summer Internship (Approval Required) | n/a |
| _____ | EPH 520c, Summer Internship (required whether or not used to fulfill the Public Health Practice Requirement) | n/a |
| _____ | EPH 525, Thesis | 2 |
| | <u>DIVISIONAL REQUIREMENTS</u> | |
| _____ | BIS 525a and b, Seminar in Biostatistics | n/a |
| _____ | BIS 540a, Fundamentals of Clinical Trials | 1 |
| _____ | BIS 623a, Applied Regression Analysis | 1 |
| _____ | BIS 625a, Categorical Data Analysis | 1 |
| _____ | BIS 628b, Longitudinal Data Analysis | 1 |
| _____ | BIS 630b, Applied Survival Analysis | 0.5 |
| _____ | BIS 632b, Design and Analysis of Epidemiologic Studies | 0.5 |
| _____ | STA 541a, Probability Theory | 1 |
| _____ | STA 542b, Theory of Statistics | 1 |
| | One of the following four: | |
| _____ | BIS 643a, Theory of Survival Analysis and its Applications | 1 |
| _____ | BIS 646a, Nonparametric Statistical Methods and their Applications | 1 |
| _____ | BIS 651b, Spatial Statistics in Public Health | 1 |
| _____ | BIS 691b, Theory of Generalized Linear Models | 1 |