

Curriculum for M.P.H. in Biostatistics

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, Fundamentals of Environmental Health	1
_____	EHS 511a, Applied Risk Assessment	1
_____	EHS 503b, 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 560a, Health Care Finance and Delivery	1
_____	Summer Internship	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 625b, 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:	
_____	BIS 643a, Theory of Survival Analysis and its Applications	1
_____	BIS 646a, Nonparametric Statistical Methods and their Applications	1
_____	BIS 685a, Spatial Statistics in Public Health	1
_____	BIS 691b, Theory of Generalized Linear Models	1

In addition to the required courses, students must take four elective courses.

Total Course Units from Required Courses	16
+ Elective Courses	<u>4</u>
Total Course Units for M.P.H. Degree	20