

**Curriculum for M.S. in Epidemiology and Public Health:
Chronic Disease Epidemiology Track**

The M.S. in Chronic Disease Epidemiology requires the completion of ten courses, including a Capstone course. The M.S. in Chronic Disease Epidemiology requires the student to complete the following courses. All “a” courses are offered in the fall term, “b” courses are offered in the spring term.

Requirements

<i>Completed?</i>	<u>DEGREE REQUIREMENTS</u>	<i>Course Units</i>
_____	BIS 623a, Applied Regression Analysis	1
_____	BIS 625a, Categorical Data Analysis	1
_____	BIS 631b, Applied Survival Analysis	0.5
_____	BIS 632b, Design and Analysis of Epidemiologic Studies	0.5
_____	CDE 508a, Principles of Epidemiology I	1
_____	CDE 516b, Principles of Epidemiology II	1
_____	CDE 523b, Measurement Issues in Chronic Disease Epidemiology	1
_____	CDE 617b, Developing a Research Protocol (Capstone Course)*	1
	 <u>Three of the following ELECTIVES:</u>	
_____	BIS 511a, GIS Applications in Epidemiology and Public Health	1
_____	BIS 540a, Fundamentals of Clinical Trials	1
_____	BIS 561b, Advanced Topics in Multicenter Clinical Trials	1
_____	BIS 631a, Topics in Genetic Epidemiology	1
_____	BIS 643b, Theory of Survival Analysis and its Applications	1
_____	BIS 645a, Statistical Methods in Human Genetics	1
_____	CDE 518b, Introduction to Pharmacoepidemiology	1
_____	CDE 531a, Health and Aging	1
_____	CDE 532b, Epidemiology of Cancer	1
_____	CDE 533b, Topics in Perinatal Epidemiology	1
_____	CDE 535b, Vascular Epidemiology	1
_____	CDE 562a, Nutrition and Chronic Disease	1
_____	CDE 605b, Gene Hunting – Research Methods to Identify Chronic Disease Genes	1
_____	CDE 630a, Molecular Epidemiology of Chronic Disease	1
_____	CDE 650a, Introduction to Evidence-Based Health Care and Medicine	1
	 Total Course Units from Required Courses	7
	+ Elective Courses	<u>3</u>
	Total Course Units for M.S. Degree	10

*In this capstone course, the student is required to complete an NIH-type grant application that is deemed reasonably competitive by the instructor. An optional addition to the capstone experience is an individualized tutorial in which the student completes a manuscript that is suitable for submission for publication in a relevant journal.