



Curriculum Guide for the Interdisciplinary PhD program in Biostatistics PUBLIC HEALTH SPECIALIZATION

The PhD degree requires a significant program of study and research that qualifies the recipient to work independently and contribute to the advancement of the field of knowledge. The emphasis is on mastery of the field and particularly on the acquisition of research skills as a basis for original work.

The doctoral program in Biostatistics presupposes a mathematical background that includes linear algebra and advanced calculus. After they declare their specialization during their second year, students in the Interdisciplinary PhD program in Biostatistics who choose the Public Health specialization will be assigned faculty advisors from the Biostatistics faculty (Note: the advisor could be from the Department of Statistics or the Division of Biostatistics in the College of Public Health). This document serves as a quick resource guide to be used by the student and the advisor in planning the program of study for the Public Health specialization. Complete information about the program requirements and associated forms is at <http://biostatprograms.osu.edu/>

For additional information about PhD requirements, students are directed to the College of Public Health (CPH) Student Handbook (<http://cph.osu.edu/students/graduate/handbooks>) and to the Graduate School Handbook (<http://www.gradsch.ohio-state.edu/>).

PROGRAM OF STUDY (minimum of 80 credits, or 50 credits beyond a master's degree)

Required Courses (44 credits)

PUBHBIO 7215/STAT 6615	Design and Analysis of Clinical Trials	2 cr
PUBHBIO 7245/STAT 7755	Biostatistical Collaboration	2 cr
PUBHBIO 8230/STAT 7470	Advanced Longitudinal Data Analysis	3 cr
PUBHBIO 8235	Advanced Regression Model Time to Event Data	3 cr
PUBHEPI 6430	Epidemiology I and Lab	4 cr
STAT 6540	Applied Stochastic Processes	3 cr
or STAT 7540	Theory of Stochastic Processes	
STAT 6801	Statistical Theory I	4 cr
STAT 6802	Statistical Theory II	4 cr
STAT 6860	Foundations of the Linear Model	2 cr
STAT 6910	Applied Statistics I	4 cr
STAT 6950	Applied Statistics II	4 cr
STAT 7410	Theory of the Linear Model	3 cr
STAT 7430	Generalized Linear Models	3 cr
STAT 7730	Advanced Computational Statistics	3 cr

Cognate/Minor Courses (6 credits) – Courses outside of statistics/biostatistics, in a health-related field, chosen in consultation with the student's advisor and approved by the student's PhD Examination Committee.

Electives (12 credits) – Courses chosen in consultation with the student's advisor and approved by the student's PhD Examination Committee (generally from courses at the 7000 level and above in PUBHBIO or 6000 level and above in STAT).

Office of Academic Programs and Student Service (OAPSS)

Staff are available in to provide assistance with College and University policies and procedures. In addition, staff are able to answer questions regarding the following:

CPH Academic Standards	Transfer Credit
Time to Degree (time limits)	Combined Degrees and Dual Degrees
Graduate Non-Degree Credit	Graduation
Career Planning	Admissions

Students can make an appointment with a staff member in OAPSS by calling (614)292-8350.

OAPSS address: 100 Cunz Hall/1841 Neil Ave/Columbus, Ohio/ 43210/cph.osu.edu