



2015-2016 Curriculum Guide for the Interdisciplinary PhD program in Biostatistics - PUBLIC HEALTH SPECIALIZATION

The basic philosophy of the Interdisciplinary PhD program in Biostatistics is to provide educated and trained personnel to the academic biostatistics community, including academia, industry, and government. The goal is to develop a student's ability to create new methodologies as well as address applied questions that arise from the biomedical sciences and public health.

The Interdisciplinary PhD program in Biostatistics is a joint venture between The Ohio State University Department of Statistics and the Division of Biostatistics in the College of Public Health. Students in this program choose between one of two specializations. While the specializations have different curricular requirements, they share a core curriculum in theoretical and applied statistics.

Complete information about advising, the program requirements, suggested plan of study, and associated forms is at <http://biostatprograms.osu.edu/>.

All students are expected to be familiar with the *Graduate School Handbook* (available at <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 credits
PUBHBIO 7245/STAT 7755 Biostatistical Collaboration	2 credits
PUBHBIO 8230/STAT 7470 Advanced Longitudinal Data Analysis	3 credits
PUBHBIO 8235 Advanced Regression Model Time to Event Data	3 credits
PUBHEPI 6430 Epidemiology I and Lab	4 credits
STAT 6540 Applied Stochastic Processes or STAT 7540 Theory of Stochastic Processes	3 credits
STAT 6801 Statistical Theory I	4 credits
STAT 6802 Statistical Theory II	4 credits
STAT 6860 Foundations of the Linear Model	2 credits
STAT 6910 Applied Statistics I	4 credits
STAT 6950 Applied Statistics II	4 credits
STAT 7410 Theory of the Linear Model	3 credits
STAT 7430 Generalized Linear Models	3 credits
STAT 7730 Advanced Computational Statistics	3 credits

Minor Congnate Area (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).

Grade Policy:

In addition to the general Graduate School requirements of a cumulative grade point average of 3.0 or higher, students must meet specific college policies regarding grades. Students should familiarize themselves with Section 11 of the College of Public Health Graduate Student Handbook.

Office of Academic Programs and Student Services (OAPSS)

OAPSS staff are available to provide assistance with College, Graduate School and University policies and procedures. 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