Biostatistics, PhD

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Biostatistics, PhD

Course	Title	Hours
Academic Career		
Any Semester		
79 s.h. of graduate level coursework must be completed; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. [a]		
	Hours	**0**
First Year		
Fall		
STAT:5100	Statistical Inference I	3
BIOS:5710	Biostatistical Methods I	4
BIOS:5510	Biostatistical Computing [b]	2
BIOS:5510	Biostatistical Computing [b]	2
CPH:6100	Essentials of Public Health	2
	Hours	**13**
Spring		
STAT:5101	Statistical Inference II	3
BIOS:5720	Biostatistical Methods II	4
BIOS:5730	Biostatistical Methods in Categorical Data	3
BIOS:7270	Scholarly Integrity in Biostatistics	1
	Hours	**11**
Summer		
Exam: Master's Core Exam if entering the program without a MS in statistics or biostatistics		
	Hours	**0**
Second Year		
Fall		
EPID:4400	Epidemiology I: Principles	3
BIOS:7500	Preceptorship in Biostatistics [c, d]	3
BIOS:7110	Likelihood Theory and Extensions [e]	4
BIOS:6810 or BIOS:7210	Bayesian Methods and Design [e] or Survival Data Analysis	3
	Hours	**13**
Spring		
BIOS:6610	Statistical Methods in Clinical Trials [d]	3
BIOS:7310	Longitudinal Data Analysis [e, f, g]	3
BIOS:7250	Theory of Linear and Generalized Linear Models [e, h]	4
	Hours	**10**
Summer		
Comprehensive Exam		
	Hours	**0**
Third Year		
Fall		
BIOS:7210 or BIOS:6810	Survival Data Analysis [e] or Bayesian Methods and Design	3
PhD Elective Course [f, g]		3
PhD Elective Course [f, g]		3
	Hours	**9**
Spring		
BIOS:7310	Longitudinal Data Analysis [e, f, g]	3
PhD Elective Course [f, g]		3
PhD Elective Course [f, g]		3
	Hours	**9**
Fourth Year		
Fall		
PhD Elective Course [f, g]		3
BIOS:7900	Thesis/Dissertation [i]	3
	Hours	**6**
Spring		
PhD Elective Course [f, g]		3
BIOS:7900	Thesis/Dissertation [i]	3
	Hours	**6**
Fifth Year		
Fall		
BIOS:7900	Thesis/Dissertation [i]	1 - 4
Dissertation prospectus presentation		
	Hours	**1-4**
Spring		
BIOS:7900	Thesis/Dissertation [i]	1 - 4
Final Exam: Dissertation Defense		
	Hours	**1-4**
	Total Hours	**79-85**

a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.

b Complete two sections of BIOS:5510, Programming in R and Programming in SAS.

c Course may also be completed in spring of second year.

d To fulfill MS degree requirements by the end of 4th semester, an approved PhD elective may substitute for BIOS:6610 or BIOS:7500. The substituted MS requirement would transfer to a PhD requirement. Contact the Grad Program Administrator to pursue this option.

e Required BIOS PhD Core Course. Additional information can be found in the General Catalog and department website.

f Refer to the Biostatistics Student Handbook, PhD in Biostatistics section, for sequencing of PhD elective courses.

g 16-23 s.h. of biostatistics, statistics, genetics, computing, public health, etc. courses; no more than 5 s.h. of credit in non-quantitative courses; 6 s.h. of electives must be taken for a letter grade; work with faculty advisor to determine appropriate graduate level electives and sequence.

h Typically this course is offered in spring semesters only. Check MyUI for course availability since offerings are subject to change.

i Must register for at least two semesters; minimum of 6 s.h. required overall.