Biostatistics, MS

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, MS

Course	Title	Hours
Academic Career		
Any Semester		
38 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]		
Maintain at least a 3.00 cumulative GPA.		
Exam: (substitutes for the Final Exam) Written Master's Core Exam focused on required biostatistics and statistics coursework; taken in summer of Year 1 after completion of BIOS:5710 Biostatistical Methods I, BIOS:5720 Biostatistical Methods II, BIOS:5730 Biostatistical Methods Categorical Data and STAT:4100 Mathematical Statistics I, STAT:4101 Mathematical Statistics II		
	Hours	**0**
First Year		
Fall		
STAT:4100 or STAT:5100	Mathematical Statistics I [b] or Statistical Inference I	3
BIOS:5710	Biostatistical Methods I	4
BIOS:5510	Biostatistical Computing [c]	2
BIOS:5510	Biostatistical Computing [c]	2
CPH:6100	Essentials of Public Health	2
	Hours	**13**
Spring		
STAT:4101 or STAT:5101	Mathematical Statistics II [d] or Statistical Inference II	3
BIOS:5720	Biostatistical Methods II	4
BIOS:5730	Biostatistical Methods in Categorical Data	3
BIOS:7270	Scholarly Integrity in Biostatistics [e]	1
	Hours	**11**
Summer		
Exam: Master's Core Exam		
	Hours	**0**
Second Year		
Fall		
EPID:4400	Epidemiology I: Principles	3
BIOS:7500	Preceptorship in Biostatistics	3
Approved biostatistics elective [f]		3
	Hours	**9**
Spring		
BIOS:6610	Statistical Methods in Clinical Trials	3
Approved biostatistics elective [f]		3
Approved biostatistics elective [f]		2 - 3
Final Exam - verify results from Master's Core Exam		
	Hours	**8-9**
	Total Hours	**41-42**

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 STAT:5100 is required if pursuing a PhD.
c Complete two sections of BIOS:5510, Programming in R and Programming in SAS.
d STAT:5101 is required if pursuing a PhD.
e Required for Graduate Research Assistants (GRA) or potential GRAs.
f Work with faculty advisor to select appropriate graduate elective coursework. More information can be found in the General Catalog and department website.