Statistics, MS

Sample Plans 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.

Statistics, MS

Course | Title | Hours
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Any Semester | Academic Career | 32 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website.  
First Year | Fall | 11
STAT:5090 | ALPHA Seminar | 1
STAT:5100 | Statistical Inference I | 3
STAT:5200 | Applied Statistics I | 4
STAT:5400 | Computing in Statistics | 3
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Hours | 11
Spring | STAT:5101 | Statistical Inference II  
STAT:5201 | Applied Statistics II | 3
Statistics elective | 3
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Second Year | Hours | 9
Fall | Written Final Exam |  
Creative Component | STAT:6300 | Probability and Stochastic Processes I | 3
STAT:6990 | Readings in Statistics | 1
Statistics elective | 3
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Hours | 7
Spring | Present Creative Component |  
STAT:6220 | Consulting and Communication with Data | 3
STAT:6990 | Readings in Statistics | 1
Statistics elective | 1
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Final Exam | 5
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Total Hours | 32

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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 Must complete at least 7 s.h. of additional statistics coursework; students planning to enroll in the PhD program are encouraged to take STAT:5120. See the General Catalog for list of approved courses.
c The two-part written final examination is offered the week before classes begin in August; it covers the material presented in STAT:5100, STAT:5101, STAT:5200, STAT:5201, and STAT:5400. Students who do not succeed on their first attempt may repeat it once, with the possibility to retake it the week before classes begin in January.
d Satisfactorily complete the creative component requirement draft by the end of the semester.
e Students must complete a creative component that is related to their application and career interests. It entails writing an 8-15 page report on a suitable topic, under an advisor’s supervision with two consecutive 1 s.h. enrollments in STAT:6990, normally during the fall and spring semesters of the second year. Students wishing to qualify for the PhD program are encouraged to write a research-oriented paper.
f Two consecutive enrollments required.
g The creative component requirement must be completed and presented by mid-spring; the paper is then presented orally in a public seminar.
h Successful completion of all degree requirements including the two-part written examination and creative component.