Actuarial Science, MS

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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.

Actuarial Science, MS

Course Title Hours Academic Career Any Semester

36 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.

Graduate College program GPA of at least 3.00 is required. b

ACTS:4130 Quantitative Methods for Actuaries STAT:5100 Statistical Inference I Hours Spring ACTS:4150 Fundamentals of Short-Term Actuarial Mathematics ACTS:4180 Life Contingencies I STAT:5101 Statistical Inference II Hours Second Year Fall ACTS:4280 Life Contingencies II STAT:4560 Statistics for Risk Modeling I STAT:6300 Probability and Stochastic Processes I Hours Spring Exam: Master's Final Exam c, d ACTS:6200 Predictive Analytics STAT:4561 Statistics for Risk Modeling II Elective course e Hours		Hours	0
ACTS:3080 Mathematics of Finance I ACTS:4130 Quantitative Methods for Actuaries STAT:5100 Statistical Inference I Hours Spring ACTS:4150 Fundamentals of Short-Term Actuarial Mathematics ACTS:4180 Life Contingencies I STAT:5101 Statistical Inference II Hours Second Year Fall ACTS:4280 Life Contingencies II STAT:4560 Statistics for Risk Modeling I STAT:6300 Probability and Stochastic Processes I Hours Spring Exam: Master's Final Exam C, d ACTS:6200 Predictive Analytics STAT:4561 Statistics for Risk Modeling II Elective course Hours	First Year		
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Spring ACTS:4150 Fundamentals of Short-Term	STAT:5100	Statistical Inference I	3
ACTS:4150 Fundamentals of Short-Term Actuarial Mathematics ACTS:4180 Life Contingencies I STAT:5101 Statistical Inference II Hours Second Year Fall ACTS:4280 Life Contingencies II STAT:4560 Statistics for Risk Modeling I STAT:6300 Probability and Stochastic Processes I Hours Spring Exam: Master's Final Exam C, d ACTS:6200 Predictive Analytics STAT:4561 Statistics for Risk Modeling II Elective course Hours Second Year Fall ACTS:6200 Predictive Analytics Statistics for Risk Modeling II Elective course		Hours	9
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Second Year Fall ACTS:4280 Life Contingencies II 3 STAT:4560 Statistics for Risk Modeling I 3 STAT:6300 Probability and Stochastic Processes I 4 Hours 5 Spring Exam: Master's Final Exam c, d ACTS:6200 Predictive Analytics 3 STAT:4561 Statistics for Risk Modeling II 3 Elective course e 3 Hours 5	STAT:5101	Statistical Inference II	3
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Spring Exam: Master's Final Exam ^{c, d} ACTS:6200 Predictive Analytics STAT:4561 Statistics for Risk Modeling II Elective course e Hours	STAT:6300		3
Exam: Master's Final Exam ^{c, d} ACTS:6200 Predictive Analytics 3 STAT:4561 Statistics for Risk Modeling II 3 Elective course ^e 3 Hours 9		Hours	9
ACTS:6200 Predictive Analytics STAT:4561 Statistics for Risk Modeling II STAT:4561 Hours Statistics for Risk Modeling II STATISTICS			
STAT:4561 Statistics for Risk Modeling II Elective course Hours	Exam: Master'	s Final Exam ^{c, d}	
Hours e S	ACTS:6200	Predictive Analytics	3
Hours 9			3
	Elective cours	e ^e	3
Total Hours 36		Hours	9
		Total Hours	36

- 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 Graduate College program GPA is comprised of all courses that are approved degree requirements. If a student takes more than the minimum required number of semester hours to complete the degree, but all courses taken are eligible to count toward the degree, those courses will be included in the Graduate College program GPA.

- c Students must also satisfactorily complete all degree requirements.
- d The final examination is offered in the spring semester of the second year of study. Students who do not succeed on their first attempt may retake the exam once.
- e See the General Catalog for list of approved courses.