

Actuarial Science, 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.

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. ^a | | |
| Graduate College program GPA of at least 3.00 is required. ^b | | |
| Hours | | 0 |
| First Year | | |
| Fall | | |
| ACTS:3080 | Mathematics of Finance I | 3 |
| ACTS:4130 | Quantitative Methods for Actuaries | 3 |
| STAT:5100 | Statistical Inference I | 3 |
| Hours | | 9 |
| Spring | | |
| ACTS:4150 | Fundamentals of Short-Term Actuarial Mathematics | 3 |
| ACTS:4180 | Life Contingencies I | 3 |
| STAT:5101 | Statistical Inference II | 3 |
| Hours | | 9 |
| Second Year | | |
| Fall | | |
| ACTS:4280 | Life Contingencies II | 3 |
| STAT:4560 | Statistics for Risk Modeling I | 3 |
| STAT:6300 | Probability and Stochastic Processes I | 3 |
| Hours | | 9 |
| 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 | | 9 |
| Total Hours | | 36 |

c 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.

d Students must also satisfactorily complete all degree requirements.

e See the General Catalog for list of approved courses.

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.