

Graduate School
ACTUARIAL SCIENCE CONCENTRATION
Verification of Completion

Awarded in conjunction with the Master of Science in Mathematics degree

Name: _____

Campus ID: _____

Program / Department completes

The minimum degree requirement is 33 credits. To graduate, the following requirements must be completed:

Required Courses (24cr)

- | | | |
|--------------------------|-------------------|-----------------------------------|
| <input type="checkbox"/> | <u>ACTSCI 791</u> | Investment Mathematics II |
| <input type="checkbox"/> | <u>ACTSCI 793</u> | Actuarial Models I |
| <input type="checkbox"/> | <u>ACTSCI 794</u> | Actuarial Models II |
| <input type="checkbox"/> | <u>ACTSCI 796</u> | Actuarial Statistics I |
| <input type="checkbox"/> | <u>ACTSCI 797</u> | Actuarial Statistics II |
| <input type="checkbox"/> | <u>MATH 763</u> | Regression Analysis |
| <input type="checkbox"/> | <u>MATH 764</u> | Time Series Analysis |
| <input type="checkbox"/> | <u>MATH 768</u> | Multivariate Statistical Analysis |

One of the following two courses (3cr):

- | | | |
|--------------------------|-------------------|-----------------------------|
| <input type="checkbox"/> | <u>ACTSCI 891</u> | Actuarial Risk Theory |
| <input type="checkbox"/> | <u>ACTSCI 895</u> | Topics in Actuarial Science |

One of the following pairs (6-8cr):

- | | | |
|--------------------------|--|---|
| <input type="checkbox"/> | <u>MTHSTAT 871</u> &
<u>MTHSTAT 872</u> | Mathematical Statistics I and Mathematical Statistics II |
| <input type="checkbox"/> | <u>ECON 701</u> &
<u>ECON 702</u> | Economic Theory: Microeconomics and Economic Theory: Macroeconomics |
| <input type="checkbox"/> | <u>BUS ADM 703</u> &
<u>BUSMGMT 705</u> | Financial Accounting and Corporate Finance |
| <input type="checkbox"/> | <u>COMPSCI 557G</u> &
<u>ACTSCI 790</u> | Introduction to Database Systems and Actuarial Internship |

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MATH 783 & MTHSTAT 766

Introduction to Probability Models and
Computational Statistics

Cumulative GPA in Concentration is 3.0 or above

YES

NO

Department Verification Signature

Date