

Statistics and Actuarial Science Minor

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Complete one of the following emphases

Actuarial Science emphasis: 14

MATH 1420	Calculus I *	4
MATH 1421	Calculus II	4
ACT SCI/MATH 3780	Mathematics of Finance	3
MATH/STAT 3752	Introduction to Probability	3

Statistics emphasis 12

STAT 1772	Introduction to Statistical Methods	3
STAT 3771/5771	Applied Statistical Methods for Research	3
STAT 4772/5772	Statistical Computing I	3
STAT 4782/5782	Statistical Computing II	3

Electives 9-10

Select three courses from the following or from the emphasis not chosen:

ACT SCI 3731	Actuarial Examination Preparation	3
ACT SCI 4785/5785	Introduction to Financial Engineering	3
ACT SCI 4735/5735	Actuarial Mathematics	3
ACT SCI 4788/5788	Loss Models	3
MATH 2422	Calculus III	4
MATH 2500	Linear Algebra for Applications	3
STAT 3775/5775	Introduction to Mathematical Statistics	3
STAT 3776/5776	Regression Analysis	3
STAT 3778/5778	Spatial Data Analysis	3
STAT 4773/5773	Design and Analysis of Experiments	3
STAT 4777/5777	Statistical Quality Assurance Methods	3
STAT 4779/5779	Applied Multivariate Statistical Analysis	3
STAT 4784/5784	Introduction to Machine Learning	3

Total hours 21-24

* MATH 1420 has a prerequisite of satisfactory score on mathematics placement exam or subsequent remediation.

Policies

Notes:

1. A student majoring or minoring in mathematics, who has a grade point average of less than 2.25 in all departmental courses used for

that major or minor may not apply a departmental course in which a grade of less than C- is earned to her/his major or minor.

2. A student with a major within the Department of Mathematics may declare a second major and/or a certificate within the Department. Interested students should work closely with an advisor.
3. The declaration of both a major and a minor with the Department of Mathematics is limited to the following. Interested students should work closely with an advisor.
 - A student with any Mathematics major may declare the interdisciplinary Data Science Minor.
 - A student with the Mathematics Major or the Mathematics-Teaching Major may declare the Statistics emphasis of the Statistics and Actuarial Science Minor.

Related Programs

- Mathematics B.A.
- Mathematics: Statistics/Actuarial Science B.A.