

# APPLIED STATISTICS CONCENTRATION

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## Applied Statistics Concentration Requirements:

### Required Courses

AM 332	Actuarial Statistics III	3
or MATH 350	Statistics II	
MATH 461	Applied Multivariate Statistics	

### Electives

Select four of the following:

AM 333	Advanced Probability	3
ECO 315	Econometrics	3
FIN 466	Data Analysis for Finance	3
MATH 354	Software Application for Mathematics	3
MATH 421	Statistical Analysis With R	3
MATH 455	SAS Programming and Applied Statistics	3
MATH 456	Statistical and Mathematical Decision Making	3
MATH 460	Applied Data Mining	3
MATH 470	Statistical Design and Analysis of Experiments	3
MATH 475	Applied Analytics Using SAS	3
MATH 488	Sports Statistics	3
MATH ST300	Special Topics in Mathematics Mathematics of the Arts and Creativity	3

Only AM 332 (Actuarial Statistics III) or MATH 350 (Statistics II) will be double counted towards this concentration and other programs.

Students who concentrate in Applied Statistics may also earn SAS certification in data mining. Four courses are required for the certification: MATH 455, MATH 460, MATH 461 and one of the following: MATH 475 or MATH 470.

A minimum of 18 credits is required for the concentration.