Minor in Applied Statistics

Information
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The Program
It is increasingly necessary for practitioners in any quantitative discipline to have a substantial background in statistics. Whereas statistics has traditionally played a central role in the biological and natural resources sciences, it is now equally important in business, economics, and the social sciences.

The applied statistics minor is designed to provide the broad statistical knowledge and practical skills needed for application of statistical techniques to research and management problems in a wide variety of disciplines. The introductory, intermediate, and topics courses include computer laboratory sessions, in which students learn to use statistical software. The minor culminates with an upper division applications course.

Different choices for the introductory, intermediate, and applications courses make the applied statics minor an attractive complement to bachelor’s degree programs in business, economics, psychology, and the biological and natural resources sciences.

REQUIREMENTS FOR THE MINOR
Total units required for the minor: 25-28

MATH 102 (4) Algebra & Elementary Functions, or equivalent
MATH 105 (3) Calculus for the Biological Sciences & Natural Resources, or
MATH 109 (4) Calculus I

Complete one of the following:
PSYC 241 (4) Introduction to Psychological Statistics
STAT 108 (3) Elementary Statistics
STAT 108i (3) Elementary Statistics with Integrated Support [Coreq: STAT B]
STAT 109 (4) Introductory Biostatistics

Complete one of the following intermediate courses:
BA 332 (4) Intermediate Business Statistics
PSYC 478 (4) Analysis of Variance
STAT 333 (4) Linear Regression Models/ANOVA

Complete two courses from the following list:
STAT 323 (4) Probability & Statistics
STAT 404 (4) Multivariate Statistics
STAT 406 (4) Sampling Design & Analysis
STAT 410 (4) Modern Statistical Modeling

Complete one advanced applications course from the following list:
BA 446 (4) Marketing Research
FISH 458 (4) Fish Population Dynamics
FOR 311 (4) Forest Mensuration & Growth
PSYC 488 (4) Regression/Multivariate Topics
WLDF 311 (4) Wildlife Techniques
WLDF 478 (3) Animal Energetics

or other applications course with substantial statistics content, as approved by the Applied Statistics coordinator.

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