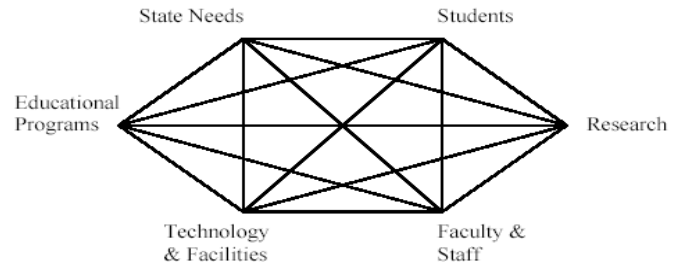


University of Alaska Board of Regents  
Program Approval Summary Form

MAU: UAF

**Title:** Graduate Certificate in Statistics

**Target admission date:** Spring 2009



**How does the program relate to the Education mission of the University of Alaska and the MAU? What State Needs are met by this program?**

From UAF Vision Statement, the interests of the university includes spearheading integrated research “emphasizing our complex high latitude physical, biological and social systems”; students success (in general); and “...vitality and creativity of new discoveries and research...”. The proposed Graduate Certificate in Statistics will encourage and reward more in-depth study of statistics by graduate students, primarily in the sciences. This will improve the students’ employability and improve the quality of research design and analysis.

**What are the Student opportunities and outcomes? Enrollment projections?** We sent out an informal e-mail survey of interest in the program to graduate students in the College of Natural Sciences and Mathematics and to graduate students in the School of Fisheries and Ocean Science. We received fourteen replies- ten said they were interested but wanted more information while four said that they were likely to enroll. Faculty from the SFOS in Juneau sent the following comment: “Many of our graduate students in Fisheries would be interested in certifying an expertise in statistics. The statistical theory course series in particular would be very useful to us.”

**Describe Research opportunities:** Many research activities involve research design and statistical analysis. To the extent that the Graduate Certificate encourages, recognizes and rewards strong quantitative skills, especially in the fundamentals of statistics, it will support the goals of other graduate programs at UAF.

**Describe Fiscal Plan for development and implementation:** There are only negligible costs associated with the proposed program. These include a need for annual program assessment, some advising and possibly an increase in the sizes of some statistics courses. This should not result in an appreciable increase in workload.