

962-97-911

Dieter Armbruster (armbruster@asu.edu), Department of Mathematics, Box 87 1804, Arizona State University, Tempe, AZ 85287 1804, and **Rosemary A Renaut*** (renaut@asu.edu), Department of Mathematics, Box 87 1804, Arizona State University, Tempe, AZ 85287 1804. *Professional Masters Programs at Arizona State University, M.S. Statistics, M.N.S. High School Certification, and the M.N.S. Preliminary report.*

The department of mathematics at ASU has an established interdisciplinary masters program in statistics which is overseen by the Committee on Statistics. We will present evidence of the success of this program. The Master of Natural Sciences is a very flexible interdisciplinary masters degree program that is utilized by many departments for a nonthesis degree. Students take one third of courses in a partner department and the remainder in their home department. We will describe some of the options available to students. In recent years the department has become increasingly involved in the mathematics education program of the institution, and the improved training of its graduate students as teachers for its programs. Under the guise of the MNS degree, and in cooperation with faculty from the College of Education, we have designed a graduate level program which provides recommendation for state level teacher certification. In this presentation we will discuss some of the administrative hurdles encountered in the set up of a new degree program, and particularly a professional program. Current efforts are directed toward a Computational Biosciences professional program. Hopefully we will be able to report positive progression through the administrative maze for this degree. (Received September 28, 2000)