Program Policy Statement – Statistics 4+1 (BS/MS)

Part I. Program History

A. Statement of purpose and expectation of graduate study in the program.
The Statistics 4+1 (BS/MS) Program, is offered to assist students with (1) taking advantage of the excellent undergraduate program, (2) making full use of the available graduate internship and research programs and (3) earning an advanced degree in an accelerated time frame, making students very competitive and marketable after the successful completion of the program. As in the Statistics MS program, the 4+1 (BS/MS) Statistics program provides a balance of a foundation in theoretical statistics, applied coursework in statistical techniques, and opportunities for application of statistical knowledge through the StatLab and internships with local companies. Students completing the Statistics 4+1 (BS/MS) degree in Statistics will:

1. Have a theoretical foundation in probability, mathematical statistics, and optimization.
2. Have a core set of coursework in practical applications in regression, design of experiments, and multivariate methods
3. Have exposure to Statistical Consulting.
4. Have an opportunity to apply the course work in a thesis, applied research, or an internship.

B. Date of Permanent Status (or current status).
The Statistics 4+1 BS/MS program was instituted in Fall 2013 in the Department of Applied Economics and Statistics, College of Agriculture and Natural Resources.

C. Degrees offered (include brief description of concentrations, fields, etc.).
B.S. Statistics, M.S. In Statistics

Part II. Admission

A. Students are admitted to the 4+1 BS and MS STAT program in the spring of the junior year. Students must be enrolled in the Statistics degree program in the Department of Applied Economics and Statistics at the time of the application, with a minimum of 60 credits and minimum GPA of 2.7 (on a 4.0 scale). It is desired that the students have completed STAT 470, STAT 471 and MATH 349 at the time of the application with a GPA of at least 3.0 in these courses.

B. GRE is not required for general admission. But applicants must take the GRE Aptitude Test to be considered for departmental funding in the +1 year. The program will also accept the GMAT if the applicant requests substituting for the GRE during the application process. Any subject GRE in a STEM field may be used as well.

C. Admission to the Statistics 4+1 Program is based on selections made by the department graduate committee in compliance with University policies and procedures. Admission to the 4+1 program is competitive. Those who meet the

stated requirements are not guaranteed admission, nor are those who fail to meet all of those requirements necessarily precluded from admission if they offer other appropriate strengths.

Application deadlines: Review of applicants begins October 15th of the junior year and students are officially notified by November 1st. Students are admitted with provisional status until completion of the senior year and 124 credits, whereupon they are granted regular status as graduate students. Interested students are encouraged to make their intentions known as early as possible to develop the course structure suited for admission of the 4+1 program.

D.

Part III. Academic

A. Degree Requirements

The Statistics 4+1 program allows students the ability to earn the undergraduate BS in Statistics and the Master's in Statistics in a total of five years of full-time study. All requirements for both degree programs must be satisfied. The total credits required for the 4+1 degree are 33. If the student lacks background knowledge for one or more courses, prerequisite courses may need to be taken that do not count toward the degree. The students in the 4+1 BS and MS STAT program may choose from non-thesis options, internship option, or the thesis option. A student can take at most 6 credits from a combination of STAT 668 (Research Project), 669 (Masters Thesis) or 664 (Statistics Internship).

Notes:

There are 9 graduate credits (3+3+3 credits) that students must take while provisionally admitted to the 4+1 BS and MS STAT program, and these credits may count toward fulfilling the required courses in both the BS and MS degrees in statistics. These courses are STAT601, STAT611, and either STAT615 or STAT674. The student needs to earn a grade of B (3.0) or better in the STAT graduate courses.