MASTER OF APPLIED STATISTICS PROGRAM
Semester Curriculum

The goal of the Master of Applied Statistics (MAS) is to prepare graduate students to enter positions in applied statistics in business, industry, or government. The program has a minimum of at least 33 hours of coursework, of which 28 hours are required courses. Students without sufficient background in mathematics may be required by the Graduate Studies Committee to take additional courses to correct these deficiencies.

All students are required to submit to the Graduate Studies Committee Chair the Plan of Study form by the beginning of their third semester of enrollment in the program. Any subsequent modifications in this Plan of Study will require approval of the Graduate Studies Committee. Students are also required to submit the departmental MAS graduation application form to the Graduate Studies Committee prior to approval of the Graduate School form. Finally, they must submit an Application to Graduate form to the Graduate School by the published deadline of the Graduate School. (Under the quarter system, this is/was the second Friday of the quarter of intended graduation. Please consult the Graduate School website for the appropriate deadline under the semester system.)

Course Requirements Under Semesters

Core	6301 (3)	Probability for Statistical Inference
(28 hours)	6302 (3)	Theory of Statistical Analysis
	6410 (4)	Design and Analysis of Experiments
	6450 (4)	Applied Regression Analysis
	6560 (3)	Applied Multivariate Analysis
	6570 (2)	Applied Bayesian Analysis
	6610 (3)	Applied Nonparametric Statistics
	6650 (2)	Discrete Data Analysis
	6730 (2)	Introduction to Computational Statistics
	6750 (2)	Statistical Consulting
Electives (5 hours)		Any 5 hours of **approved** elective courses (usually statistics courses)

MAS Examination

The MAS Examination is given in the Spring Semester and Maymester, and is administered in two sessions: (1) a two-hour period covering the concepts and techniques presented in Statistics 6301 and 6302, and (2) a three-hour period covering material in Statistics 6410, 6450, 6560, and 6610. Both parts of the examination are open book. A passing score on this exam is required for graduation. **A student is permitted a maximum of two attempts at successful completion of the examination.**

Sample MAS Program

First Year	**Autumn**	**Spring**
	6301	6302
	6610	6410
	Elective	6450

Second Year	**Autumn**	**Spring**
	6560	6570
	6730	6650
	Elective	6750

Notes

1. Required MAS courses taken as an undergraduate at OSU must be replaced with approved graduate elective hours. Upon petition to the Graduate Studies Committee, required courses may be omitted if there is evidence of substantially equivalent study elsewhere, but they must be replaced with approved electives. Such modifications to required courses do not affect the content of the MAS examination.

2. Courses with a grade below B- do not count toward the degree and must be replaced by courses approved upon petition to the Graduate Studies Committee.

3. Electives: No additional hours of Statistics 6750 (beyond the two required hours) may be counted as electives. Satisfactory completion of Statistics 6801 and 6802 may be used to replace Statistics 6301 and 6302. All other letter-graded 6000-level statistics courses (except 6030, 6060, and 6740), including their cross-listed equivalents, are approved electives. In addition, upon special approval of the Graduate Studies Committee, some 7000- and 8000-level courses may be counted as electives. Students may, with approval of the Graduate Studies Committee, substitute one course (up to 3 hours) from another department in place of an elective. The course must have appropriate content for a statistics degree, but may not duplicate the material covered in any course available from the Department of Statistics.

MAS Transition Policy

Students who began their degree under quarters will not be penalized as the university moves to semesters, either in terms of progress towards their degree or the expected timing of graduation. The Graduate Studies Chair is the advisor for all MAS students. Students are also assigned a faculty mentor with whom they meet every quarter. This level of support will continue under semesters. Students will meet with a faculty mentor every semester.

Except for Statistics 6410, 6450, 6570, and 6650, the courses proposed under semesters are straight conversions of their quarter-based versions. If a student already has credit for Statistics 610, but not for Statistics 623, then it is recommended that the student take Statistics 6302 (the straight conversion of Statistics 623).

Additionally:

1. Statistics 610 under quarters will be counted for Statistics 6301 under semesters.
2. Statistics 623 under quarters will be counted for Statistics 6302 under semesters.
3. Statistics 641 under quarters will be counted for Statistics 6410 under semesters.
4. Statistics 645 under quarters will be counted for Statistics 6450 under semesters.
5. Statistics 656 under quarters will be counted for Statistics 6560 under semesters.
6. Statistics 661 under quarters will be counted for Statistics 6610 under semesters.

Students who started the MAS program under quarters will be encouraged to take the Applied Bayesian course (Stat 6570) and the Discrete Data course (Stat 6650) to complete their program, but this will not be required (they may make up their required credit hours with other elective courses).

Also, 600-level quarter-based elective courses may be counted with a 2/3 conversion to 6000-level elective
credits under semesters.

Sample MAS Transition Program (Students starting Autumn Quarter 2011)

First Year (Quarters)	**Autumn**	**Winter**	**Spring**
	610	623	661
	645	641	Elective(s)

Second Year (Semesters)	**Autumn**	**Spring**
	6560	6570
	6730	6650
	Elective	6750