

Mathematics-Statistics Education Composite Plan

The suggested schedule shown below is for a Composite Mathematics-Statistics Education Major. This schedule should be used in conjunction with the major requirement sheet at: <http://www.usu.edu/majorsheets/>

While there are requirements that are sequential, many are flexible and do not need to be completed exactly in the order listed. Students should always check with their faculty and professional advisors to be sure they are meeting the requirements appropriately.

Freshman Year (31-34 credits)

Fall Semester (14-17 credits)

MATH 1210 (QL) Calculus I	4
College of Science required course.....	4
University Studies courses	6-9

Spring Semester (17 credits)

STAT 2000 (QI) Statistical Methods (3 cr) or	
STAT 3000 (QI) Statistics for Scientists (3 cr)	3
MATH 1220 (QL) Calculus II	4
College of Science required course.....	4
University Studies courses	6

Sophomore Year (30 credits)

Fall Semester (16 credits)

MATH 2210 (QI) Multivariable Calculus	3
MATH 2250 (QI) Linear Algebra and Differential Equations	4
STAT 5100 (CI/QI) Linear Regression and Time Series.....	3
University Studies courses	6

Spring Semester (14 credits)

MATH 3110 Modern Geometry.....	3
MATH 4200 (CI) Foundations of Analysis	3
STAT 5200 Design of Experiments	3
SPED 4000 Education of Exceptional Individuals	2
University Studies course	3

Junior Year (30 credits)

Fall Semester (15 credits)

MATH 3310 Discrete Mathematics.....	3
MATH 5710 Introduction to Probability	3
SCED 3100 Motivation and Classroom Management.....	3
SCED 3210 (CI/DSS) Educational and Multicultural Foundations	3
University Studies course.....	3

Spring Semester (15 credits)

MATH 4310 (CI) Introduction to Algebraic Structures	3
MATH 4400 History of Mathematics and Number Theory	3
SCED 4200 (CI) Reading, Writing, and Technology	3
University Studies courses	6

Senior Year (26 credits)

Fall Semester (14 credits)

MATH 3300 School Laboratory for	
Mathematics Teachers Level I	1
MATH 4300 (CI) School Laboratory for	
Mathematics Teachers Level II	1
MATH 4500 Methods of Secondary School	
Mathematics Teaching	3
MATH 5010 Capstone Mathematics, Statistics, and	
Technology for Teachers	3
SCED 4210 Cognition and Evaluation of Student Learning (3 cr) or	
MATH 5020 Mathematical Cognition and Assessment of	
Mathematical Achievement (3 cr)	3
STAT 4500 Methods of Teaching Statistics	
in Secondary and Middle School	3

Spring Semester (12 credits)

SCED 5500 Student Teaching Seminar	2
SCED 5630 Student Teaching in Secondary Schools	10