

Mathematics Major Degree Plan

The suggested schedule shown below 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 (28-34 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 (14-17 credits)

MATH 1220 (QL) Calculus II	4
College of Science required course.....	4
University Studies courses	6-9

Sophomore Year (30-32 credits)

Fall Semester (15-16 credits)

MATH 2210 (QI) Multivariable Calculus	3
MATH 2250 (QI) Linear Algebra and Differential Equations (4 cr) or	
MATH 2270 (QI) Linear Algebra (3 cr).....	3 or 4
University Studies courses	9

Spring Semester (15-16 credits)

MATH 2250 (QI) Linear Algebra and Differential Equations (4 cr) or	
MATH 2280 (QI) Ordinary Differential Equations (3 cr).....	3 or 4
MATH 5710 Introduction to Probability.....	3
University Studies or elective courses.....	9

Junior Year (30 credits)

Fall Semester (15 credits)

MATH 4200 (CI) Foundations of Analysis	3
MATH 4310 (CI) Introduction to Algebraic Structures	3
Math core or elective course not requiring MATH 4200	3
University Studies courses	6

Spring Semester (15 credits)

Math core or elective courses	6
University Studies courses	9

Senior Year (24-30 credits)

Fall Semester (12-15 credits)

MATH 5210 Introduction to Analysis I	3
Math core or elective courses.....	3-6
University Studies Depth or elective courses	6

Spring Semester (12-15 credits)

Math core or elective courses.....	3-6
University Studies or elective courses.....	9