Approved Electives for the Mathematics Major Program

Each course appearing on the 400 level approved sequences list counts as an approved elective when it is not used as part of the sequence satisfying the 400 level sequence requirement for the major.

In addition, the following courses also count as approved electives.

Mth 313, Advanced Multivariable Calculus
Mth 322, Applied Partial Differential Equations
Mth 324, Vector Analysis
Mth 338, Modern College Geometry
Mth 343, Applied Linear Algebra
Mth 345, Introduction to Ring and Field Theory
Mth 346, Number Theory
Mth 356, Discrete Mathematics
Mth 399, Introduction to Mathematical Reasoning
Mth 449, Topics in Advanced Number Theory
Mth 456, Topics in Combinatorics
Mth 480, Systems Analysis: Calculus of Variations
Mth 481, Topics in Probability for Mathematics Teachers
Mth 482, Topics in Statistics for Mathematics Teachers
Mth 483, Topics in Geometry for Mathematics Teachers
Mth 484, Topics in Algebra for Mathematics Teachers
Mth 485, Topics in Analysis for Mathematics Teachers
Mth 486, Topics in the History of Mathematics
Mth 487, Discrete Mathematics for Mathematics Teachers
Mth 488, Topics in Technology for Mathematics Teachers
Stat 451, Applied Statistics for Engineers and Scientists I
Stat 452, Applied Statistics for Engineers and Scientists II
Stat 464, Applied Regression Analysis