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