Double Major, with Mathematics being the Second Major

Students are required to have the following courses:

- Calculus I, II, and III
- Math 415, An Introduction to Advanced Mathematics
- Math 511, Linear Algebra
- Math 547, Advanced Calculus I
- Math 551, Numerical Methods
- Math 555, Differential Equations
- Math 451, MATLAB, or another high-level algorithmic computer language approved by the Department of Mathematics, Statistics, and Physics.

Plus three additional classes from the following:

Math 513, Fundamental Concepts of Algebra
Math 525, Elementary Topology
Math 615, Elementary Number Theory
Math 620, Elementary Geometry
Math 720 Modern Geometry
Math 530, Applied Combinatorics
Math 531, History of Math
Math 545, Integration Techniques and Applications
Math 548, Intro to Complex Variables
Math 553, Mathematical Models
Math 640, Advanced Calculus II
Math 655, Differential Equations II
Math 657, Optimization Theory
Math 751, Numerical Analysis
Math 753, Ordinary Differential Equations
Math 755, Partial Differential Equations

Stat 460, Elementary Probability and Mathematical Statistics
Stat 571, Statistical Methods I
Stat 572, Statistical Methods II
Stat 574, Elementary Survey Sampling
Stat 576, Applied Nonparametric Statistical Models
Probability
Stat 762 Applied Stochastic Processes
Stat 763, Applied Regression Analysis
Stat 764, Analysis of Variance
Stat 771, Theory of Statistics I
Stat 772, Theory of Statistics II
Stat 775, Applied Statistical Method I
Stat 776, Applied Statistical Methods II

Students are very strongly encouraged to work with a Math Advisor in selecting courses. If you have any questions, please contact the Undergraduate Coordinator, Paul Scheuerman, 316-978-3986 or email paul.scheuerman@wichita.edu.