## Minor in Mathematics

**Departmental Requirements (20 hours)**

**Required Courses**
- MTH 2300 Calculus I (4 hours)
- MTH 2310 Calculus II (4 hours)
- MTH 2530 Elementary Linear Algebra (3 hours)

**Electives**
Choose two (2) of the following:
- MTH 2320 Calculus III (4 hours)
- MTH 2330 Differential Equations (3 hours) OR MTH 2350 Differential Equations w/ Matrix Algebra (4 hours)
- MTH 2570 Discrete Mathematics for Computing (4 hours)
- MTH 2800 Writing Mathematics Proof (3 hours)

Choose one (1) additional department approved elective from the list to the right.

**Department Approved Elective Courses:**
- MTH 3060 Math Modeling (3 hours)
- MTH 3260 Numerical Methods (3 hours)
- MTH 3320 Complex Variables (3 hours)
- MTH 3330 Partial Differential Equations (3 hours)
- MTH 4070 Optimization Techniques (3 hours)
- MTH 4150 Intro to Scientific Computation (3 hours)
- MTH 4240 Coding Theory (3 hours)
- MTH 4260 Matrix Computations (3 hours)
- MTH 4290 Cryptography & Data Security (3 hours)
- MTH 4310 Real Variables I (3 hours)
- MTH 4320 Real Variables II (3 hours)
- MTH 4510 Modern Algebra I (3 hours)
- MTH 4520 Modern Algebra II (3 hours)
- MTH 4550 Advanced Linear Algebra (3 hours)
- MTH 4570 Combinatorics & Graph Theory (3 hours)
- MTH 4710 Geometry (3 hours)
- MTH 4810 Methods of Applied Math I (3 hours)
- MTH 4820 Methods of Applied Math II (3 hours)
- MTH 4920 Undergraduate Mathematics Seminar (3 hours)
- STT 3600 Applied Statistics I (3 hours)
- STT 3610 Applied Statistics II (3 hours)
- STT 4610 Theory of Statistics I (3 hours)
- STT 4620 Theory of Statistics II (3 hours)
- STT 4660 Statistical Methods I (3 hours)
- STT 4670 Statistical Methods II (3 hours)