## MATHEMATICAL GEOLOGY RELATED AREA

**24-28 credits**

### General Education
- CHMY 141 College Chemistry I 4
  - Approved

Select 1 of the following:
- GEO 101 Intro to Physical Geology 4
  - Approved
- GEO 103 Intro to Environ Geology 4
  - Approved

### Mathematical Geology Core
- CHMY 143 College Chemistry II 4
  - Approved
- GEO 226 Rocks, Minerals, Resources 4
  - Approved

Select 1 of the following (may not be applied to Math Option core):
- M 414 Deterministic Modeling 4
  - Approved
- STAT 433 Stochastic Modeling 4
  - Approved

Select 1 of the following (may be applied to the Math Option core):
- M 431 Abstract Algebra I 4
  - Approved
- M 435 Advanced Calculus I 4
  - Approved
- M 444 Advanced Number Theory 4
  - Approved
- M 472 Intro to Complex Analysis 4
  - Approved

Select 3 of the following:
- GEO 309 Sedimentation & Stratigraphy 4
  - Approved
- GEO 315 Structural Geology 4
  - Approved
- GEO 378 Surficial Processes 4
  - Approved
- GEO 421 Hydrology 4
  - Approved
- GEOL 431 Environmental Geochem 4
  - Approved