

Name \_\_\_\_\_ Evaluated by \_\_\_\_\_  
 ID # \_\_\_\_\_ Date \_\_\_\_\_

Course rotation and prerequisites are shown in *italics*.

**RELATED AREA:**

**MATHEMATICAL GEOLOGY**

**General Education**

\_\_\_\_\_ CHEM 131 General Chemistry 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Fall* *MATH 111 or higher, hs chem. Or CHEM 101 recommended*

*Select 1 of the following:*

\_\_\_\_\_ GEOL 101 Intro to Geology 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*MATH 007*

\_\_\_\_\_ GEOL 150 Environmental Geology 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring* *MATH 007*

**Mathematical Geology Core**

\_\_\_\_\_ CHEM 132 General Chemistry 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring* *CHEM 131*

\_\_\_\_\_ GEOL 226 Rocks, Mins, Resrces 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring-even years* *GEOL 101 or 150*

*Select 1 of the following. Course may not be applied to the Math Option Core*

\_\_\_\_\_ MATH 401 Deterministic Modeling 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring-odd years* *MATH 201*

\_\_\_\_\_ MATH 433 Stochastic Modeling 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Fall* *MATH 343*

*Select 1 of the following. Course may not be applied to the Math Option Core*

\_\_\_\_\_ MATH 441 Adv Calculus 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*MATH 203, 341*

\_\_\_\_\_ MATH 442 Complex Variables 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*MATH 203, 341*

\_\_\_\_\_ MATH 443 Abstract Algebra 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Fall* *MATH 343*

\_\_\_\_\_ MATH 444 Adv Number Theory 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*MATH 343*

*Select 3 of the following:*

\_\_\_\_\_ GEOL 330 Struc/Tectonics 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Fall-odd years* *GEOL 226*

\_\_\_\_\_ GEOL 378 Surficial Processes 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Fall-even years* *GEOL 101 or 150, GEOL 226 or BIO 114 or 355*

\_\_\_\_\_ GEOL 431 Env Geochemistry 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring-odd years* *GEOL 101 or 150, CHEM 131, 132*

\_\_\_\_\_ GEOL 432 Depsotional Environ 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring-even years* *GEOL 226*

\_\_\_\_\_ GEOL 480 Hydrogeology 4 \_\_\_\_\_ Approved \_\_\_\_\_  
*Spring-odd years* *GEOL 101 or 150, MATH 131, Junior or Senior standing*