

**A – MINOR REQUIREMENTS – 18 HOURS (10 advanced)**

**1 – Science Core – 8 hours**

*Choose one pair:*

GEOL 1403 Physical Geology  
GEOL 1404 Historical Geology

PSCI 1421 Physical Sciences I  
PSCI 1422 Physical Sciences II

PHYS 1401 General Physics I  
PHYS 1402 General Physics II

PHYS 2425 Physics for Scientists and Engineers I  
PHYS 2426 Physics for Scientists and Engineers II

ASTR 1401 Introduction to Astronomy I  
ASTR 1402 Introduction to Astronomy II

*NOTE: Education majors need to check with their advisor as to whether or not their natural science core requirements will also satisfy the natural science core courses within this minor.*

**2 – Geographic Information Systems Electives – 10 hours (10 advanced)**

GEOL 4411 Introduction to Geographic Information Systems  
GEOL 4309 Undergraduate Research Geoscience

*Choose one:*

GEOL 4408 Applications of Geographic Information Systems  
BIOL 4403 Introduction to Remote Sensing Technology