# Geology B.S. Degree
# 2014 - 2015 Curriculum

## HYDROGEOLOGY CONCENTRATION

### FRESHMAN YEAR

| | | | |
|---|---|---|---|
| ____ CH 1010 General Chemistry | 4 | ____ CH 1020 General Chemistry | 4 |
| ____ ENGL 1030 Accelerated Composition | 3 | ____ GEOL 1120 Earth Resources | 3 |
| ____ GEOL 1010 Physical Geology | 3 | ____ MATH 1080 Calculus of One Variable II | 4 |
| ____ GEOL 1030 Physical Geology Lab | 1 | ____ A&H/SS Reqt[1] _____ | 3 |
| ____ MATH 1060 Calculus of One Variable I | 4 | ____ A&H/SS Reqt[1] _____ | 3 |
| | 15 | | 17 |

### SOPHOMORE YEAR

| | | | |
|---|---|---|---|
| ____ GEOL 2050 Mineralogy and Intro Petrology | 3 | ____ GEOL 2020 Earth History | 4 |
| ____ GEOL 2070 Mineralogy and Intro Petrology Lab | 1 | ____ GEOL 2920 Introduction to Research II | 1 |
| ____ GEOL 2910 Introduction to Research I | 1 | ____ Statistics[3] _____ | 3 |
| ____ PHYS 1220 Physics with Calculus I | 3 | ____ PHYS 2210 Physics with Calculus II | 3 |
| ____ PHYS 1240 Physics Lab I | 1 | ____ Hydrogeology Concentration Reqt[2]: _____ | 3 |
| ____ Hydrogeology Concentration Reqt[2]: _____ | 3 | ____ A&H/SS Reqt[1] _____ | 3 |
| ____ A&H/SS Reqt[1] _____ | 3 | | |
| | 15 | | 17 |

### JUNIOR YEAR

| | | | |
|---|---|---|---|
| ____ GEOL 3000 Environmental Geology | 3 | ____ GEOL 3130 Sedimentology and Stratigraphy | 4 |
| ____ GEOL 3020 Structural Geology | 4 | ____ GEOL 3180 Introduction to Geochemistry | 3 |
| ____ GEOL 3910 Research Methods I | 2 | ____ GEOL 3920 Research Methods II | 2 |
| ____ GEOL 4150 Analysis of Geological Processes[4] | 4 | ____ GEOL 4210 GIS Applications in Geology | 3 |
| | 13 | | 12 |

### SUMMER FIELD EXPERIENCE

____ GEOL 4750 Summer Geology Field Camp 6

### SENIOR YEAR

| | | | |
|---|---|---|---|
| ____ GEOL 4820 Groundwater and Contaminant Transport | 3 | ____ EES 4010 Environmental Engineering | 3 |
| ____ GEOL 4910 Research Synthesis I | 3 | ____ GEOL 4050 Surficial Processes | 4 |
| ____ Hydrogeology Concentration Reqt[2]: _____ | 3 | ____ GEOL 4090 Subsurface Methods | 4 |
| ____ Hydrogeology Concentration Reqt[2]: _____ | 3 | ____ GEOL 4920 Research Synthesis | 3 |
| | 12 | | 14 |

**121 Total Semester Hours**

1 See General Education Requirements. Three of these credits must also satisfy the Cross Cultural Awareness Requirement

2 Total of 12 credit hours selected from department approved list. Courses cannot be used to satisfy any other requirement.

3 STAT 2300 or MATH 3020.

4 MATH 2060 can be substituted.

____ STS Requirement: _____

____ CCA Requirement: _____

Total Number of General Education Hours Completed: _____

**Hydrogeology Concentration Requirement -- See Advisor (Pick 12 hours total)**