

# SOUTHERN UTAH UNIVERSITY

## College of Science & Engineering – B.S. in Geology/Professional (2012-2013)

### GENERAL EDUCATION (CORE COURSE REQUIREMENTS)

#### English Requirements (C): (6)

- \_\_ ENGL 1010
- \_\_ ENGL 2010

#### Quantitative Literacy Requirements (C): (4)

- \_\_ MATH 1210 (*Must Take*)
- Pre-req: C or better in MATH 1050 & 1060*

#### Information Literacy Requirement (C): (1)

- \_\_ LM 1010

#### Computer Literacy Requirement (C): (3)

- \_\_ CSIS 1000

#### American Institutions Requirement (I): (3)

- \_\_ HIST 1700 *or* POLS 1100 *or* ECON 1740

### GENERAL EDUCATION (KNOWLEDGE AREA REQUIREMENTS)

#### Fine Arts (F): (3)

- \_\_ Select one

#### Humanities (H): (3)

- \_\_ Select one

#### Social and Behavioral Sciences (S): (3)

- \_\_ Select one

#### Life Science (L): (3)

- \_\_ Select one

#### Physical Science (P): (4)

- \_\_ GEO 1110/1115\* (*Recommended*)

**TOTAL: 33 CREDITS**

\* Courses that fulfill both Gen. Ed. and major requirements

### EXPERIENTIAL EDUCATION (3 credits)

- \_\_ UNIV 1010 – Introduction to Experiential Education (1)
- \_\_ UNIV 3925 – Experiential Education Proposal (1)
- \_\_ UNIV 4925 – Experiential Education Synthesis & Reflection (1)

Students will choose one of five Experiential Engagement Tracks to work in to complete this requirement. These include Global, Community, Leadership, Outdoor, & Creativity and Innovation.

### GEOLOGY - PROFESSIONAL REQUIREMENTS (79 credits)

- \_\_ GEO 1110/1115\* Physical Geology/Lab (4) (F)
- \_\_ GEO 1220/1225 Historical Geology/Lab (4) (S)
- Pre-req: GEO 1110/1115*
- \_\_ GEO 3010/3015 Environmental Geology/Lab (4) (S odd)
- Pre-req: Admission to the program*
- \_\_ GEO 3110/3115 Paleontology/Lab (4) (S even)
- Pre-req: GEO 1220/1225*
- \_\_ GEO 3120 Tectonics (3) (F odd)
- Pre-req: GEO 1110/1115*
- \_\_ GEO 3210/3215 Mineralogy/Lab (4) (F)
- Pre-req: GEO 1110/1115 & CHEM 1210/1215 & Instructor Permission*
- \_\_ GEO 3330/3335 Ign.-Meta. Petrology/Lab (4) (S odd)
- Pre-req: GEO 3210/3215 & MATH 1210*
- \_\_ GEO 3410/3415 Sedimentology & Stratigraphy/Lab (4) (F odd)
- Pre-req: GEO 1220/1225 & 4990*
- \_\_ GEO 3510/3515 Structural Geology/Lab (4) (F even)
- Pre-req: MATH 1050 & 1060, GEO 1110/1115, 1220/1225 & 4990, PHYS 2210/2215*
- \_\_ GEO 4000 Selected Field Trips (2) (F/S)
- Pre-req: Instructor Permission*
- \_\_ GEO 4800 Senior Project (3) (F/S)
- Pre-req: Instructor Permission*
- \_\_ GEO 4960 Field Geology (6) (M)
- Pre-req: GEO 3410/3415 & GEO 3510/3515*
- \_\_ GEO 4990 Seminar in Geology (1) (S)
- Pre-req: Instructor Permission*
- \_\_ GEOG 3550/3555 Principles of GIS/Lab (5) (F)
- Pre-req: CSIS 1000*

#### Choose one:

- \_\_ GEO 4070 Applied Geochemistry (3) (S odd)
- Pre-req: GEO 1110/1115 & 3210/3215, CHEM 1220/1225*
- \_\_ GEOG 4150 Advanced GIS Analysis Methods Lab (3) (S)
- Pre-req: GEOG 3550*

### GEOLOGY - PROFESSIONAL REQUIREMENTS (CON'T)

- \_\_ CHEM 1210/1215\* Principles of Chemistry I/Lab (5) (F/M)
- Pre-req: MATH 1050 or 2 yrs H.S. Algebra*
- \_\_ CHEM 1220/1225 Principles of Chemistry II/Lab (5) (S/M)
- Pre-req: C or better in CHEM 1210/1215*
- \_\_ MATH 1220 Calculus II (4) (F/S)
- Pre-req: C or better in MATH 1210 or H.S. AP Calculus*
- \_\_ PHYS 2210/2215\* Physics for Scientists & Eng. I/Lab (5) (F/S)
- Pre-req: MATH 1210; co-req MATH 1220 & PHYS 2230 rec.*
- \_\_ PHYS 2220/2225 Physics for Scientists & Eng. II/Lab (5) (F/S)
- Pre-req: PHYS 2210/2215 & MATH 1220, PHYS 2260 rec.*

### ELECTIVE COURSES (5 credits)

- \_\_ Electives (any discipline)

### Bachelor of Science Degree Requirements (12 credits)

Students must take at least 12 credits of mathematics/ laboratory science courses. These are generally fulfilled by your degree requirements.

### Additional Information

Students must complete all coursework with a C grade or above.

Credits greater than 10 years old will not be accepted for this degree.

Students must have 120 total credits/ 40 upper-division credits to graduate.

*In order to enroll in upper-division geology courses (courses numbered greater than 2999) students must attain admission into the geology program. Please see your academic advisor if you have any questions about the geology program requirements.*

F: Fall courses  
S: Spring courses  
M: Maymester/Summer courses

**Pre-Requisites and the semester that courses are offered are subject to change. Please check the current catalog for updates.**