

Guideline for Majors at Nearby 4 Year Institutions

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| Major: <i>GEOLOGY</i> |
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Riverside Community College
Counseling Department
2009-2010

Date: 1/10

NOTE: This Articulation Agreement is subject to periodic revision. Please consult the www.assist.org website for up-to-date information.

| College or University | Transfer Requirements | Units | RCC Equivalents | Units | Remarks | |
|-----------------------------------------------|-----------------------------|-------------|-----------------|-------|------------------------------------------------------------------|-------------------------------------|
| CSU LONG BEACH 2009-2010 | GEOL 102,104 | 4 | GEO 1/1L | 3,1 | *MAT 1C is required for -Petroleum -Geochem -Structural | |
| | GEOL 240 | 4 | GEO 1B | 4 | | |
| | MATH 122,123 | 4,4 | MAT 1A,1B | 4,4 | | |
| | CHEM 111A | 5 | CHE 1A or 1AH | 5 | | |
| | CHEM 111B | 5 | CHE 1B or 1BH | 5 | | |
| | PHYS 151,152 | 4,4 | PHY 4A,4B | 4,4 | | |
| | BIOL 200 | 4 | BIO 1 | 4 | | |
| SAN DIEGO STATE UNIV. 2008-2009 | <u>Engineering Geology:</u> | | | | | |
| | GEOL 205 | 4 | GEO 1B | 4 | | |
| | BIOL 100 | 3 | BIO 10 or 1 | 3-4 | | |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | | |
| | EM 200 | 3 | ENE 35 | 3 | | |
| | MATH 150,151,252 | 13 | MAT 1A,1B,1C | 4,4,4 | | |
| | PHY 195-197 | 9 | PHY 4A,4B,4C,4D | 16 | | |
| | STAT 250 | 3 | MAT 12 or 12H | 3 | | |
| | GEOL 100/101 or | 4 | GEO 1/1L or | 4 | | |
| | OCEAN 100/L | 4 | OCE 1/1L | 4 | | |
| | <u>General Geology</u> | | | | | |
| | BIOL 100/L or 101 | 3 | BIO 1 | 4 | | Recommended: PHY 4C,4D MAT 1C |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | | |
| MATH150, 151 | 4,4 | MAT 1A,1B | 4,4 | | | |
| PHYS 195,196 | 4,4 | PHY 4A,4B | 4,4 | | | |
| GEOL 100/101 or | 4 | GEO 1/1L or | 4 | | | |
| OCEAN 100/L | 4 | OCE 1/1L | 4 | | | |
| GEOL 205 | 4 | GEO 1B | 4 | | | |

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|----------------------------|------------------------------|-------------------------|-------------------------|-------|---------|
| SDSU (cont'd) | <u>Geophysics:</u> | | | | |
| | BIOL 100 or 101 | 3 | BIO 10 or 1 | 3-4 | |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | |
| | MATH 150.,151,252 | 13 | MAT 1A,1B,1C | 4,4,4 | |
| | PHYS 195-197 | 9 | PHY 4A,4B,4C,4D | 16 | |
| | GEOL 100/L or OCEAN 1/L | 4 | GEO 1/1L or OCE 1/1L | 4 | |
| | <u>Geochemistry:</u> | | | | |
| | BIOL 100 or 101 | 3 | BIO 10 or 1 | 3-4 | |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | |
| | CHEM 231 | 4 | CHE 12A | 5 | |
| | MATH 150,151,252 | 4,4 | MAT 1A,1B,1C | 4,4,4 | |
| | PHYS 195-197 | 9 | PHY 4A,4B,4C,4D | 16 | |
| | STAT 250 | 3 | MAT 12 or 12H | 3 | |
| | GEOL 100/L or OCEAN 100/L | 4 | GEO 1/1L or OCE 1/1L | 4 | |
| | <u>Hydrogeology:</u> | | | | |
| | BIOL 100 | 3 | BIO 10 or 1 | 3-4 | |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | |
| | MATH 150,151 | 4,4 | MAT 1A,1B | 4,4 | |
| | PHYS 195-197 | 9 | PHY 4A,4B,4C,4D | 16 | |
| | MATH 252 or OR | | MAT 1C or OR | | |
| | CHEM 231 | 4 | CHE 12A | 4-5 | |
| | STAT 250 | 3 | MAT 12 or 12H | 3 | |
| | GEOL 105 | 4 | GEO 1B | 4 | |
| | GEOL 100/L or OCEAN 1/L | 4 | GEO 1/1L or OCE 1/1L | 4 | |
| | <u>Paleontology:</u> | | | | |
| | GEOL 205 | 4 | GEO 1B | 4 | |
| | BIOL 201A,201B | 4,4 | BIO 11,12 | 5.5 | |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | |
| | MATH 150 | 4 | MAT 1A | 4 | |
| PHYS 180A,180B | 4,4 | PHY 2A,2B | 4,4 | | |
| GEOL 100/L or OCEAN 1/L | 4 | GEO 1/1L or OCE 1/1L | 4 | | |

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| College or University | Transfer Requirements | Units | RCC Equivalents | Units | Remarks |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------|--------|-----------------------------------------------------------------------------------------|
| SDSU (cont'd) | <u>Marine:</u> | | | | |
| | GEO 100/L or OCEAN 1/L | 4 | GEO 1/1L or OCE 1/1L | 4 | |
| | GEO 205 | 4 | GEO 1B | 4 | |
| | BIOL 100 | 3 | BIO 10 or 1 | 3-4 | |
| | CHEM 200 | 5 | CHE 1A or 1AH | 5 | |
| | CHEM 201 | 5 | CHE 1B or 1BH | 5 | |
| | MATH 150,151,252 | 4,4 | MAT 1A,1B,1C | 4,4,4 | |
| | PHYS 195-197 | 9 | PHY 4A,4B,4C,4D | 16 | |
| UCR 2009-2010 | <u>General, Geobiology and Geophysics</u> | | | | |
| | GEO 1,3 | 4,4 | GEO 1/1L,1B | 4,4 | <i>-IGETC not accepted. Follow Coll. of Nat. & Ag. Sci. gen. ed. reqt's</i> |
| | MATH 9A,9B,9C | 4,4,4 | MAT 1A,1B | 4,4 | |
| | CHEM 1A,1B,1C | 4,4,4 | CHE 1A or 1AH + CHE 1B or 1BH | 5 5 | |
| | PHYS 40ABC | 4,4,4 | PHY 4A,4B,4C | 4,4,4 | |
| | BIOL 5A/L or 2 | 4 | BIO 1,11 or 17 | 4/5 | <i>-Prioritize major reqt's over gen. educ.</i> |
| | GEO 2 | 4 | GEG 1 or 1H + 1L | 3,1 | |
| | For the Geobiology option, add: BIO 11,12 For the Geophysics option, add: MAT 2; PHY 4D For the Global Climate Change option, add: OCE 1; BIO 11,12 | | | | |
| NOTE: An overall grade point average of 2.70 in all transferable courses is required. | | | | | |
| CAL POLY POMONA 2009-2010 | GSC 111 | 4 | GEO 1/1L | 3,1 | |
| | GSC 112 | 4 | GEO 1B | 4 | |
| | CHM 121-123 | 4,4,4 | CHE 1A,1B | 5,5 | |
| | MAT 114-116 | 4,4,4 | MAT 1A,1B | 4,4 | |
| | PHY 131-133 | 4,4 | PHY 4A,4B,4C | 4,4,4 | |
| | BIO 100/L or 115/L | 4-5 | BIO 1 or 11 | 4-5 | |
| CSU FULLERTON 2009-2011 | GEO 101/L | 4 | GEO 1/1L | 4 | |
| | GEO 201 | 3 | GEO 1B | 4 | |
| | BIOL 101/L or 171 | 4-5 | BIO 1 or 12 | 4-5 | |
| | CHEM 120A,120B | 5,5 | CHE 1A,1B | 5,5 | |
| | MATh 150A,150B | 4,4 | MAT 1A,1B | 4,4 | |
| | PHYS 225/L, 226/L | | PHY 4A,4B | | |
| | OR PHYS 211/L, 212/L | 4,4 | OR PHY 2A,2B | 4,4 | |

| College or University | Transfer Requirements | Units | RCC Equivalents | Units | Remarks |
|------------------------------------|-----------------------|-------|----------------------------------|--------|---------|
| CSU SAN BERNARDINO 2009-2010 | <u>B.S. degree</u> | | | | |
| | GEOL 101 | 5 | GEO 1/1L | 3,1 | |
| | GEOL 250 | 5 | GEO 1B | 4 | |
| | *MATH 211,212 | 4,4 | MAT 1A,1B | 4,4 | |
| | PHYS 221-223 | 15 | PHY 4ABC or 2A,2B | 8-12 | |
| | BIOL 100 or 200 | 5 | BIO 1 or 11 | 4-5 | |
| | CHEM 215,216 | 6,6 | CHE 1A or 1AH + CHE 1B or 1BH | 5 5 | |
| | <u>B.A. degree:</u> | | | | |
| | BIOL 200 | 5 | BIO 11 or 1 | 5 | |
| | GEOL 101 | 5 | GEO 1/1L | 4 | |
| | GEOL 250 | 5 | GEO 1B | 4 | |
| | MATH 211 | 4 | MAT 1A | 4 | |
| | CHEM 205 or 215 | 5-6 | CHE 2A,1A or 1AH | 4-5 | |
| | PHYS | 8-12 | PHY 2A2B or 4ABC | 8-12 | |

THE MAJOR:

Geology involves the study of a wide variety of topics dealing with earth and life sciences. Geologists use a spectrum of knowledge from physics, chemistry, mathematics, botany, zoology, and related fields. They deal with energy, mineral research and discovery, environmental geology, oceanography, and other outdoor field studies or indoor laboratory investigations. Engineering geologists apply geological principles to a variety of projects including high-use planning, and related areas. Students of geology who tend toward earth science can prepare for a composite science teaching career on the secondary level. Job opportunities are available in industry, academic areas, and government agencies throughout the world.

CAREER FIELDS:

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|-----------|------------------|------------------|---------------|
| Geodesist | Hydrologist | Mineralogist | Seismologist |
| Geologist | Land-Use Planner | Mining Geologist | Stratigrapher |

For further information on career options, please visit the Career Center.