

## Department Requirements (Total Department Units: 32-33)

2011-12 Course No.	Previous Course No.	Title <small>applies to SBCC GE areas</small>	Units	Institution & Course No.	Grade	Units (s/q)	Term
• EARTH 111	.....(EARTH 111/3)	.....Dynamic Earth-Physical Geol <sup>A</sup>	<b>OR</b> ...3.0	_____			
• EARTH 111H	..(none)	.....Dynamic Earth-Phys Geol, Honors <sup>A</sup>	..4.0	_____			
• EARTH 111L	.....(EARTH 111L/3L)	.....Dynamic Earth-Physical Geol Lab <sup>A</sup>	...1.0	_____			
• EARTH 112	.....(EARTH 112/4)	.....History of the Earth <sup>A</sup>	.....3.0	_____			
• EARTH 112L	.....(EARTH 112L/4L)	.....Historical Geology Laboratory <sup>A</sup>	.....1.0	_____			
• EARTH 125	.....(EARTH 125/41)	.....Mineralogy and Resources	.....5.0	_____			
• EARTH 126	.....(EARTH 126/42)	.....Petrology & Rock-Forming Minerals	5.0	_____			
• CHEM 155	....(5)	.....General Chemistry I <sup>A</sup>	.....5.0	_____			
• CHEM 156	....(6)	.....General Chemistry II	.....5.0	_____			
• MATH 138*	..(none)	.....Precalc II, College Alg & Trig <sup>D2</sup>	.....4.0	_____			

\* Any math course higher than MATH 138 will also satisfy this requirement.

*Recommended Courses:* These additional courses should be considered when planning a program of study for transfer as a geology major:

• EARTH 131	.....(EARTH 131/22)	.....Geol. Fld Stud – E. Sierra Nev Mnt	...2.0	_____			
• EARTH 132	.....(EARTH 132/23)	.....Geol. Field Studies in Death Valley	..2.0	_____			
• EARTH 133	.....(EARTH 133/72)	.....Geol. Field Stud, Colorado Plateau	...4.0	_____			
• EARTH 137	.....(EARTH 137)	.....Introductory Field Geology	.....3.2	_____			
• EARTH 138	.....(EARTH 138)	.....Geology Field Camp	.....4.3	_____			
• EARTH 171	.....(EARTH 171)	.....Intro Geog Info Syst and Maps	<b>OR</b> ...2.0	_____			
• GEOG 171	.....(none)	.....Intro Geog Info Syst and Maps	.....2.0	_____			
• EARTH 172	.....(EARTH 172)	.....Geog Info Syst Software Applic	<b>OR</b> .2.0	_____			
• GEOG 172	.....(none)	.....Geog Info Syst Software Applic	.....2.0	_____			
• MATH 150	....(25)	.....Calculus with Analytic Geom. I <sup>D2</sup>	.....5.0	_____			
• MATH 160	....(26)	.....Calculus w/ Analytic Geom. II <sup>D2</sup>	.....5.0	_____			
• PHYS 102	.....(2)	.....Intro. Physics for Science Majors <sup>A</sup>	....4.0	_____			

**Associate Degree Graduation Requirements:** (1) Complete all department requirements with a “C” or better in each course. Candidates for an Associate Degree are also required to complete at least 20% of the department requirements through SBCC. Pass/No Pass grading is not permitted in those courses needed to fulfill department requirements; (2) Complete at least 18 units of General Education Requirements ([Areas A-D](#) of the SBCC General Education pattern); (3) Complete the SBCC Institutional Requirements ([Area E](#)); (4) Complete the Information Competency Requirement ([Area F](#)); (5) Complete a total of 60 degree-applicable units (SBCC courses numbered 100 and higher); (6) Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC; (7) Maintain a cumulative GPA of 2.0 or better in all college units attempted; and (8) Candidates for an Associate Degree are required to complete 15 units through SBCC.

### Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Jeff Meyer, Department Chair, 965-0581, Ext. 2321. Check your degree progress with DARS U-Achieve at [www.sbcc.edu/DARS](http://www.sbcc.edu/DARS).

**SBCC AA/AS Degree Graduation Requirements (Must complete I, II, III and IV below)**



Santa Barbara City College

# Geological Sciences

## 2011-12

### Associate in Arts Degree in Geological Sciences

Geologic science is the science of the earth. It is an organized body of knowledge about the earth or planet on which we live - about the mountains, the plains, the oceans, and the atmosphere. It studies the effects of geologic hazards, such as earthquakes, landslides, floods and volcanic eruptions. It also addresses the ways to conserve and protect the world's fragile geologic environment.

Planetary science concerns itself with the study of the origin of galaxies and the universe, along with the laws which order these systems and bodies.

### Careers in Geological Sciences

Today's student will play a major role in the supply of the earth's energy resources. Industries and governments are hiring geologists, geophysicists, seismologists, petroleum geologists, hydrologists, oceanographers, mineralogists and environmental geologists in areas of natural gas, urban planning, geological surveys, private consulting and environmental programs.

**Note:** All courses in the Department of Earth and Planetary Sciences are not offered each semester.

I. General Education, Institutional & Information Competency (Institution & Course Number)	Grade	Units (s/q)	Term
<b>A-D. General Education Requirements**</b>			
A. Natural Sciences with Lab			
B. Social and Behavioral Science			
C. Humanities			
D. Language and Rationality			
D-1. English Composition			
D-2. Communication and Analytical Thinking			
<b>E. SBCC Institutional Requirements**</b>			
E-1. Mathematics			
<i>Plus complete three out of the four areas listed below (E-2 through E-5)</i>			
E-2. American Institutions			
E-3. Physical Education/Health Education			
E-4. Oral Communication			
E-5. Multicultural/Gender Studies			
<b>F. Information Competency Requirement**</b>			

\*\*For specific course, unit, grade and other graduation requirements see the General Education, Institutional and Information Competency Requirements handout available in the Counseling department or visit <http://www.sbccc.edu/apply/files/gereq.pdf>

**II. Unit and Grade Point Average Requirements:** Refer to Graduation Requirements on the other side of this document.

	<i>Total Semester Units Attempted</i>	<i>Total Semester Units Completed</i>	<i>Grade Points</i>	<i>GPA</i>
SBCC				
Transfer				
Total				

**III. Residency Requirements:** 1) 15 units completed through SBCC?  Yes  No  
 2) 20% of Department Requirements completed through SBCC?  Yes  No

**IV. Department Requirements:** Refer to the other side of this document for a list of required courses. Were all department requirements completed with a "C" or higher in each course?  Yes  No

Waivers/Substitutions: \_\_\_\_\_

Counselor Comments: \_\_\_\_\_

Student's Name: \_\_\_\_\_ Student ID: K \_\_\_\_\_

Counselor's Name: \_\_\_\_\_ Code: \_\_\_\_\_ Date: \_\_\_\_\_

***SBCC: Your Open Door to Educational Excellence***