

Last updated 7/1/09

2009-2010 CURRICULUM CHECK SHEET is a guide to the requirements of this major. **It is NOT necessary to take these courses in the order given.** Please consult the online Bulletin for specific details (<http://www.lasierra.edu/academics/bulletin>).

		FALL	WINTER	SPRING
<b>FIRST YEAR</b>	First Year Seminar (UNST 101/100)(2-6 units)	_____	_____	_____
	College Writing (ENGL 111, 112, 113)(9 units)	_____	_____	_____
	Social Science Courses (12 units in at least 2 areas): Select from Psychology, Sociology, Anthropology, Economics, Geography, or Political Science	_____	_____	_____
	General Chemistry (CHEM 111, 112, 113 & Labs)	_____	_____	_____
	College Algebra (MATH 121)	_____	_____	_____
	Calculus (MATH 131)	_____	_____	_____
	Religion Course	_____	_____	_____
	Nutrition Theory & Practice (HLED 225) OR Dimensions of Health (HLED 214)	_____	_____	_____
	Physical Education (2 activity courses required)	_____	_____	_____
	<b>SECOND YEAR</b>	Cultural Heritage [8 units]: Select from Art/Music (Applied Arts limited to 2 units), Literature, Philosophy, Foreign Language, or History	_____	_____
Religion Course		_____	_____	_____
Social Science Courses		_____	_____	_____
General Biology (BIOL 111, 112, 113 & Labs)		_____	_____	_____
General Physics (PHYS 231, 232, 233 & Labs)		_____	_____	_____
Cultural Diversity Course: Choose from ANTH 315, HPSC 106, PSYC 315, SOCI 307		_____	_____	_____

**RECOMMENDED COURSES:** Physical Geology, Geology elective, and Genetics

**APPLICATION TO LOMA LINDA UNIVERSITY:** Application deadline is June 15 of the sophomore year. Apply online at <http://www.llu.edu/apply>.

**GPA:** Applicants should have a minimum GPA of 2.5 and letters of recommendation from two faculty members.

**Summer Undergraduate Research Program (SURP):** Summer research with LLU faculty is available in exchange for tuition credits. Field session lasts two to six weeks. This program is open to all interested undergraduate students.

## PRE-GEOLOGY

**CAREER OPPORTUNITIES AND RELATED OCCUPATIONS:** Geologists work in a wide variety of occupations for employment in environmental and energy-related industries. Major business/industry areas are environments, petroleum and mining. Federal and State agencies employ significant numbers of geologists and there is a demand for middle and high school teachers with earth science backgrounds. Geoscientists gather and interpret data about the Earth. Data may be collected in the field (land, sea or air) or laboratory. Many geologists work at least part of the time outdoors and answer questions about the earth's fluid, rock, and soil compositions and the processes that affect them.

**EDUCATIONAL QUALIFICATIONS:** The minimum requirement is a B.S. degree. The optimal degree is an M.S. An independent consulting geologist in many states, including California, requires certification, work experience and a qualifying exam administered by the state.

**JOB OUTLOOK:** Although employment growth will vary by occupational specialty, overall employment of geoscientists is expected to grow more slowly than average for all occupations through 2014. However, due to the relatively low number of qualified geoscience graduates and the large number of expected retirements, opportunities are expected to be good in most areas of geoscience.

**ENTERING SALARY:** In 2008, beginning salary of graduates with Bachelor's degree in Geology averaged about **\$40,786** a year; graduates with a Master's degree averaged **\$87,392**. Geoscientists with graduate degrees earn significantly more.

## SOURCES OF ADDITIONAL INFORMATION

### *Department Contacts:*

Valerie Dekle  
Department of Earth &  
Biological Sciences  
Loma Linda University  
Loma Linda, CA 92350  
909-558-4530

### *Websites:*

Loma Linda University Dept.  
of Earth & Biological Sciences  
[www.llu.edu/llu/grad/natsci/](http://www.llu.edu/llu/grad/natsci/)

### *LSU Contact:*

James W. Beach, Ph.D.  
Dean, College of Arts & Sciences

### *Professional Organizations:*

American Geological Institute  
[www.agiweb.org](http://www.agiweb.org)

American Geophysical Union  
[www.agu.org](http://www.agu.org)

American Association of  
Petroleum Geologists  
[www.aapg.org](http://www.aapg.org)

Geological Society of America  
[www.geosociety.org](http://www.geosociety.org)

Academic Advising  
Center for Student Academic Success  
Sierra Vista Hall, Room 114  
(951) 785-2452

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