

Office of Pre-Health Professions PRE-CLINICAL LAB SCIENCE

Updated 06/30/09

Name: _____ ID #: _____

Degree Requirements for students seeking matriculation to Loma Linda University:

1. If you plan to attend another university, please visit the Office of Pre-Health Professions early so that we can assist you in meeting all requirements.
2. **G.P.A:** A minimum science GPA of 2.75 is required. **C minus (C-)** grades and pre-foundational courses are not transferable.
3. **Recommended courses to meet 96 units:** Anatomy & Physiology, Biochemistry, Genetics, Cell and Molecular Biology.
4. **Application to Loma Linda:** Deadline is February 1 of your sophomore year and should be completed as soon as possible after October 1. To apply go to <http://www.llu.edu/apply>

	Domain/Course(s)	Units
	First Year Seminar (UNST 101A & 101B)	2

Domain 1: Religion and Humanities: Total of 20 qtr. units		
Religion Course: One religion course for every year of attendance at an SDA school. (Max. 8 units)		8
Humanities: Minimum of 3 areas Art/Music (Performing arts limited to 4 qtr. units) (ARTA 205 or MUHL 205), History (HIST 105, HPSC 104, 106) Literature, Philosophy (ENGL 224, 246; PHIL 204, 208) Language: Any language including Amer. Sign Language		12

Domain 2: Scientific Inquiry and Analysis:		
Natural Sciences:		
College Algebra (MATH 121)		4
General Chemistry I (CHEM 111 & Lab)		5
General Chemistry II (CHEM 112 & Lab)		5
General Chemistry III (CHEM 113 & Lab)		5
Organic Chemistry I (CHEM 371)		4
Organic Chemistry II (CHEM 372 & Lab)		4
Organic Chemistry III CHEM 373 & Lab)		4
Introduction to Physics (PHYS 117 & Lab)		4
Health Science Physics (PHYS 118)		2
** Student may choose to take the General Physics sequence in place of Physics 117 and 118.		
General Biology I (BIOL 111& Lab)		5
General Biology II (BIOL 112 & Lab)		5
General Biology III (BIOL 113 & Lab)		5
Social Sciences: Minimum of 12 units in 2 areas		
Cultural Diversity Course required: Choose from ANTH 315, HPSC 106, PSYCH 315, SOCI 307, RLGN 305		8
Select remainder of units from: ANTH 315; SOCI 104; PSYC 104, 234; PLSC 274; ECON 254, 255		4

Domain 3: Communication: Minimum of 9 units		
College Writing I (ENGL 111)		3
College Writing II (ENGL 112)		3
College Writing III (ENGL 113)		3
Recommended: Fundamentals of Speech (COMM 104) OR Interpersonal Communication (COMM 244) OR Intro. to Computing (CPTG 104)		

Domain 4: Health and Wellness		
Nutrition Theory & Practice (HLED 225) OR Dimensions of Health (HLED 214)		4
Physical Education (2 Activity Courses)		1
Electives: To complete 96 quarter units: (pre-foundational coursework does not count towards the 96 units)		

The Office of Pre-Health Professions is dedicated to providing quality service to La Sierra University students, faculty and staff. Our primary goal is to address your pre-professional needs. As a service-based department, we accept walk-ins on a daily basis. We endeavor to answer all of your questions about careers in the health field; no question is too small for our attention. We are located in Palmer Hall, home of the Chemistry department and next door to the Thaine B. Price Science Complex.

Office of Pre-Health Professions

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Website: www.lasierra.edu/departments/prehealth

Career opportunities and related occupations: Clinical Laboratory scientists supervise or perform laboratory tests that aid the physician in the diagnosis and treatment of the patient's disease. They have a variety of tasks including: microscopically examine blood, tissue, and other body substances; make cultures of body fluids or tissue samples to determine the presence of bacteria, fungi, parasites, or other micro-organisms; analyze samples for chemical content or reaction; and determine blood glucose or cholesterol levels. Clinical laboratory scientist also type and cross-match blood samples for transfusions.

Educational Qualifications: To receive a Bachelors degree in clinical laboratory sciences, the Freshman and Sophomore years are at La Sierra University where the student completes their science courses. Then two years of professional study are completed at Loma Linda University.

Job Opportunities: New technologies have caused the laboratory field to experience tremendous growth. The current job rate is 21%, with more vacancies expected in the future job market. Opportunities are plentiful, and salaries are on the rise. Clinical, biomedical, and industrial laboratories are having a hard time filling positions. A Bachelors degree in Clinical Laboratory Science more than qualifies individuals to work in any of these areas, and medical facilities are actively recruiting qualified graduates. The Clinical Laboratory Science program also has an intense clinical component, and provides an excellent preparation for medical, Dental or Pharmacy school.

Salary: The average national income is \$48,600, with the average California income being \$61,350. For the most updated information on salaries visit: U.S. Bureau of Labor Statistics at <http://www.bls.gov/bls/blswage.htm>.

Websites:

La Sierra University:

www.lasierra.edu/departments/prehealth

Loma Linda University:

www.llu.edu/llu/sahp/clinlab/index.html

Loma Linda University:

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Professional Organizations:

National Credentialing Agency for
Laboratory Personnel
PO Box 15945-289
Lenexa, KS 6628
Phone: 913-895-4613
E-Mail: nca-info@goamp.com

International Society for Clinical
Laboratory Technology,
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