

Course Requirements

Minimum 96 hours, distributed as follows:

Domain 1: Religion & Humanities

Minimum 20 quarter hours, distributed as follows

➤ **Religion**

Take 4 hours of religion courses for each year of attendance at an SDA College: 4-8

➤ **Humanities**

Take the remaining 12-16 hours from at least three of the following areas: 12-16

- Art/Music; Performing Arts (max 4 hours)
- Literature, Philosophy
- History, Foreign Language

The following courses are recommended options:

| | |
|--------------|---|
| ARTH 115+116 | History of Western Art I,II (4+4) |
| MUHL 105 | Survey of Music (3) |
| ENGL 212+213 | Shakespeare in Perf+Project (2+1) |
| ENGL 301 | Themes in Literature (4) |
| PHIL 101 | Introduction to Philosophy (4) |
| HIST 101+102 | History of World Civ I,II (4+4) |
| HIST 134+135 | History of the United States I,II (4+4) |
| SPAN 105 | Spanish for Healthcare I (3) |
| | Any foreign language |

Domain 2: Scientific Inquiry & Analysis

➤ **Natural Sciences**

Take the following required courses:

| | | |
|------------|---------------------------|-----|
| BIOL 121 | Biological Foundations I | 5 |
| CHEM 111+L | General Chemistry I+Lab | 4+1 |
| CHEM 112+L | General Chemistry II+Lab | 4+1 |
| CHEM 113+L | General Chemistry III+Lab | 4+1 |
| CHEM 371+L | Organic Chemistry I+Lab | 3+1 |
| CHEM 372+L | Organic Chemistry II+Lab | 3+1 |
| CHEM 373+L | Organic Chemistry III+Lab | 3+1 |
| MATH 106 | College Algebra | 4 |

Take one of the following options: 6-12

| | |
|------------------|-------------------------------|
| PHYS 105+106L | Intro to Physics+Lab (5+1) |
| PHYS 111+112+113 | General Physics I,II,III (12) |

The following courses are optional, but recommended:

| | |
|--------------|--------------------------------|
| BIOL 101+102 | Human Anatomy+Physiology (5+5) |
|--------------|--------------------------------|

➤ **Social Sciences**

Take 12 hours from at least two areas:

Take at least one course from the following: 3-4

| | |
|----------|---------------------------|
| ANTH 124 | Cultural Anthropology (4) |
| SOCI 355 | Cultural Diversity (3) |

Take the remaining hours from the following areas: 8-9

- Anthropology, Economics, Geography, Political Science, Psychology, Sociology

The following courses are recommended options:

| | |
|----------|------------------------------|
| ANTH 124 | Cultural Anthropology (4) |
| ECON 261 | Macroeconomics (4) |
| ECON 265 | Microeconomics (4) |
| GEOG 210 | World Regional Geography (3) |

| | |
|----------|-----------------------------------|
| PLSC 124 | Introduction to American Govt (4) |
| PSYC 121 | General Psychology (4) |
| PSYC 234 | Human Development (4) |
| SOCI 121 | Introduction to Sociology (4) |
| SOCI 355 | Cultural Diversity (3) |

Domain 3: Communication

Minimum 9 quarter hours, distributed as follows

Take the following required courses:

| | | |
|--------------|----------------------|-----|
| ENGL 101+102 | College English I,II | 4+4 |
|--------------|----------------------|-----|

Take at least one of the following courses: 3-4

| | |
|----------|------------------------------------|
| COMM 105 | Communication & Public Speaking(4) |
| COMM 326 | Advanced Public Speaking (3) |

Domain 4: Health & Wellness

Take at least one course from the following: 2-3

| | |
|----------|----------------------|
| FDNT 235 | Nutrition (3) |
| HLED 162 | Fitness for Life (2) |
| HLED 166 | Health Education (2) |

Take at least two courses from the following: 2

| | |
|------|---------------------------------------|
| ESAC | Exercise Science Activity Courses (1) |
|------|---------------------------------------|

Domain 5: Electives

Take additional electives as needed to meet the minimum requirement of 96 transferable quarter hours.

- Recommended: Anatomy & Physiology, Biochemistry, Genetics, Cellular or Molecular Biology, Speech, Computer Applications, Critical Thinking

PLEASE NOTE: C minus (C-) grades are not transferable for credit to Loma Linda University.

Health Sciences, A.S. and B.S.

Pacific Union College offers an A.S. and B.S. degree with a major in Health Sciences. These majors can be taken in conjunction with the pre-clinical laboratory science requirements. For more information, see page KNSL-03 or KNSL-04, or contact the Health Sciences advisor in the Kinesiology and Health Sciences Department.

Occupational Information

General Areas of Service

The clinical laboratory scientist supervises or performs laboratory tests that aid the physician in the diagnosis and treatment of the patient’s disease. Often, these tests—in clinical chemistry, medical microbiology, parasitology, serology, hematology, immunology, bloodbanking, clinical microscopy, nuclear medicine, and other analyses—may disclose subtle changes that might not be detected in any other way. The majority of medical technologists find work in Clinical Laboratories, research industry, or public health agencies in this country and abroad.

Professional Training

The B.S. degree prepares the graduate for licensure examinations administered by the State of California Department of Health and the American Society of Clinical Pathologists.

Denominational Service

Adventist hospitals and the worldwide mission work need medical technologists.

Job Outlook

Good. Hospitals, private laboratories, and government agencies offer opportunities for employment. Nationally and in California the job outlook now appears bright.

Earnings

Starting salaries in California range from \$54,000-\$75,000 per year, higher for experience and/or advanced training.

For More Information

State of California
Department of Health Laboratory Field Services
2151 Berkeley Way Berkeley, CA 94704

American Society of Clinical Pathologists Board of Registry,
P.O. Box 12270 Chicago, IL 60612

Kinesiology and Health Sciences Department
Pacific Union College
One Angwin Avenue, Angwin, CA 94508
Phone: (707) 965-6313

Department of Clinical Laboratory Science
School of Allied Health Professions
Loma Linda University Loma Linda, CA 92350
(909) 824-4966 or (800) 422-4558

To apply online, go to: www.llu.edu/apply/
Note: Admission requirements are subject to change each year.

Sample Two Year Program

This sample curriculum is designed to show you how a program may be constructed and to help you select a proper sequence of courses in the major. It is not likely that these courses can always be taken in the order given. Your advisor will help you design a personalized program of studies.

| First Year | F | W | S |
|------------------------------------|----------|----------|----------|
| Intro to Allied Health | - | 2 | - |
| College English I,II | - | 4 | 4 |
| General Chemistry I,II,III | 5 | 5 | 5 |
| Human Anatomy | - | 5 | - |
| Human Physiology | - | - | 5 |
| College Algebra or Pre-calculus | 4 | - | - |
| Religion Courses | 3 | - | 3 |
| Exercise Science Activity Course | 1 | - | - |
| Social Sciences/Humanities Course* | 3-4 | - | - |
| | ≤17 | 16 | 17 |

| Second Year | F | W | S |
|-------------------------------------|----------|----------|----------|
| Issues in Allied Health | - | 2 | - |
| Biological Foundations I | 5 | - | - |
| Organic Chemistry I,II,III | 4 | 4 | 4 |
| Religion Course | - | 3 | - |
| Advanced Public Speaking | 3 | - | - |
| Health & Wellness Course* | - | 2-3 | - |
| Intro to Physics+Lab | - | - | 6 |
| Exercise Science Activity Course | - | 1 | - |
| Social Sciences/Humanities Courses* | 3-4 | 3-4 | 6 |
| | ≤17 | ≤17 | 16 |

Third and Fourth Years are taken at Loma Linda University.

* See “Course Requirements” listed on previous page.