



PROGRAMS OFFERED

- ◆ B.S.

Cytotechnology is a specialty within the broad field of clinical laboratory science. The cytotechnologist, working under the direction of a pathologist, examines cells under the microscope for early signs of cancer and other diseases. They are able to differentiate normal, atypical and malignant cell changes. They must be familiar with normal anatomy and histology for all body systems and the different disease processes.

In recognizing microscopic abnormalities of cells and cellular patterns from various body sites, the cytotechnologist assists the pathologist in detecting cancer at its earliest and potentially most curable stage. As a result, physicians are able to diagnose and treat cancer long before discovering its existence by alternate methods.

Cytotechnologists often assist other clinicians with specialized fine needle aspiration procedures to obtain cell samples without major surgery. In addition, cytotechnologists may be involved with the application of companion technologies including immunocytochemistry and fluorescence in situ hybridization.

JOB OPPORTUNITIES:

The demand for cytotechnologists far exceeds the number of skilled professionals presently available. Cytotechnologists can advance to supervisory positions, participate in research activities, or become educators in the field.

SALARIES:

Earnings begin at \$68,000 to \$76,000 per year. Salary is dependent upon location, years of experience and type of facility, i.e. private labs, hospitals, or teaching institutions. Opportunities for advancement are excellent.

EMPLOYMENT

The employment outlook for cytotechnologists is favorable, with the demand for trained workers exceeding the supply. Advancement is based on experience, skill, and advanced education. Cytotechnologists work in hospitals, large academic medical centers, government laboratories, research laboratories and large reference laboratories.

EDUCATION AND TRAINING

The required prerequisite coursework takes two years to complete and can be taken at any accredited university or college including community college. Junior year includes lecture and laboratory with emphasis on basic cytology courses. Senior year includes an eleven week clinical practicum and advanced histology and pathology courses.

PROGRAM FEATURES

- ◆ Fully accredited by Commission on Accreditation of Allied Health Education Programs (CAAHEP) - 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33763; (727) 210-2350; fax (727) 210-2354, in collaboration with the Cytotechnology Programs Review Committee (CRPC); which is sponsored by the American Society of Cytopathology (ASC); American Society for Cytotechnology (ASCT); American Society for Clinical Pathology (ASCP), and College of American Pathologists (CAP).

- ◆ Excellent 2:1 student/faculty ratio.
- ◆ Graduates are eligible for National Board Exam and California licensure.

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Loma Linda University Requirements: To be eligible for admission to the Bachelor of Science program, the applicant must complete the following requirements.

HUMANITIES: (20 qtr or 14 sem-units)

Select courses from at least three areas listed below:

- Art / Music (performing arts limited to 4 qtr-units)
- Literature
- Philosophy
- History

RELIGION

Religion (a maximum of 8 qtr-units may be applied); for students who attended or are enrolled in an Adventist college, 4 qtr-units per year are required.)

NATURAL SCIENCES (required)

- College Mathematics (algebra or higher level)
- General Chemistry with lab (complete sequence)
- Organic Chemistry with lab (complete sequence)
- Microbiology with lab
- Anatomy & Physiology with lab (complete sequence)
- General Biology with lab (complete sequence)
(cell biology, genetics, histology recommended, not required)

SOCIAL SCIENCES (12-16 qtr or 8-11 sem-units total)

Cultural diversity or anthropology (one course required)

Select remaining courses from at least two areas listed below:

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

COMMUNICATION

Freshman Composition, complete sequence (required)

Select additional from: Speech, computers

HEALTH AND WELLNESS

Physical Education Activity (two courses)

Health Education (personal health or nutrition) - one course

ELECTIVES (to meet minimum total of 96 qtr or 64 sem-units)

PLEASE NOTE: "C minus" grades are not transferable for credit

How to apply - Cytotechnology

We recommend that you apply soon after **January 1**. Program applications continue to be accepted **until June 1** or until the program is filled. Apply online at www.llu.edu.

International Students

TOEFL or IELTS (or equivalent English language proficiency examination) scores for applicants whose native language is not English or whose secondary education was received outside the United States (refer to: <http://www.llu.edu/allied-health/sahp/internationalstudent.page>)

Grades

Credits for prerequisite course work must show a grade point average of at least 2.0 on a 4.0 scale. A minimum grade of C (2.0) is required for all transfer courses. A 2.75 grade point average in the science subjects is highly recommended.

Financial Aid

Apply early for financial assistance - even before receiving your acceptance into the program. You may begin your financial aid process on October 1. Applications for Cal Grants (California residents only) must be postmarked no later than March 2.

LLU's Student Financial Aid office will help you obtain the necessary applications and guide you through the process of applying for aid. For more information visit www.llu.edu/ssweb/finaid or call (909) 558-4509.

Housing

Housing is available on campus in a limited capacity. For information on the women's dormitory, Lindsay Hall, call (909) 558-4561. For information on the men's dormitory, Daniells Hall, call (909) 558-4592.

The Office of Student Affairs maintains information on local housing. Current availabilities and Loma Linda University housing policy can be found at www.llu.edu/llu/housing.

Contact Information

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LOMA LINDA
UNIVERSITY

LLU at a Glance

- >> Founded in 1905 >> A Seventh-day Adventist institution integrating health, science, and Christian faith >> Offers over 200 programs in the health sciences >>
- Houses eight schools: Allied Health Professions, Behavioral Health, Dentistry, Medicine, Nursing, Pharmacy, Public Health, and Religion >> About 4,000 students
- >> Over 1,300 faculty >> 2,000 professional researchers >> \$46 million dollars in private and public grants generated each year >> Many service learning opportunities

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