

Loma Linda Presentation

11/7/2023

Start time: 6:10 PM

End time: 7:00 PM

[Link to request for more information about Loma Linda](#)

What Makes Pharmacy a Great Career

- Solid future to pharmacy despite negative issues currently (e.g. workers going on strikes)
- **Variety**
 - Opportunity to work in variety of settings (clinical care to drug development)
 - 100+ pharmacy career pathways
- **Flexibility**
 - Flexible work hours + ability to have balanced lifestyle
- **Growth**
 - US Bureau of Labor Statistics predicts \approx 13,600 pharmacist job openings over year in next decade
- **Earning**
 - Median average salary of pharmacists in 2022 = \$161,542
- **Healthcare**
 - Work in health-care without blood/gore while improving patient outcome

Why do we Need Pharmacists?

- **Experts**
 - Experts on use of drugs to treat/prevent diseases
- **Prevent**
 - Help prevent harm that come from incorrect use of meds
 - Medical errors affect 1/10 ppl worldwide
- **Collaborate**
 - Educate physicians on how to choose most appropriate meds for patients
- **Educate**
 - Educate patients on how to use their meds correctly

Practice Settings

- **Community**
 - Often employed by chain pharmacies
 - Advise patients of curative + preventive treatments

- Some are small business owners who own pharmacy they work in
- **Infectious Disease**
 - Became more important with COVID-19
 - Manage pharmacotherapy for critically ill patients with infectious diseases
 - Advise clinicians on most effective dosage + med for patient's infection
 - Monitor for any adverse events
- **Investigational Drugs & Research**
 - Conduct drug-discovery research + manage clinical trials for investigational drugs
 - Contribute to establishing treatment protocols, guidelines, & informational docs
- **Critical Care**
 - Work with multidisciplinary team of health professions
 - Optimize use of meds by identifying potential adverse effects
 - Provide info about unique characteristics of drug response
 - Makes sure that correct antibiotic is chosen at right dose + frequency for patient
 - 60 different antibiotics
 - Helps optimize therapy to improve patient outcome
 - 3 unique characteristics of clinical care pharmacists:
 - Have lots of interactions with medical team
 - High acuity + high adrenaline situations
 - Understand higher complexity of disease state
- **Mobile Health Pharmacy**
 - Uses telehealth tech as clinical tool in delivery of patient-centered care
 - All members of interprofessional team can access + document within universal electronic medical record (EPIC)
 - Train community paramedics
- **Nuclear Pharmacy**
 - Prepare + distribute radioactive drugs for use in nuclear medicine procedures (e.g. nuclear imaging)
 - Works with patients before radiologist administers radiopharmaceutical materials
 - Can work for hospitals, nuclear pharmacies, medical schools, or government agencies
- **Veterinary Pharmacy**
 - Work for pharmacy prescribing for animals having surgery, in internal medicine, or oncology
 - Can work with pets, farm animals, or exotic animals (e.g. lions, bears)
 - Includes a lot of compounding to make human meds work for animal patients + make meds used in clinical trials

Quick Facts About Loma Linda

- **History**
 - Established in 1905
 - Academic center of 8 diff schools (e.g. nursing, dentistry, pharmacy, health, etc)
 - Location: 20 miles north of Riverside
 - One of few faith-based institutions in pharmacy in CA
- **Standard**
 - Average GPA of accepted incoming students = 3.30-3.40
 - NOTE: some students have GPA below 3.30
- **Students**
 - 4,300+ undergrad + grad students
 - Moderate size: 55 students per class
 - Open-door policy
 - Professors deliver course content (no TAs)
 - Students are close-knit; everyone is known quite well
 - Maintains faculty of student ratio of 8:1
 - Generate good relationships between faculty, students, patients
 - Students receive individual care + attention

LOMA LINDA UNIVERSITY FACTS AND FIGURES



4,300+

Undergraduate and
Graduate Students



55,000+

Alumni
Worldwide



100+

Degree and
Certificate Programs



92%

of Students Find Jobs
after Graduation



ONE OF THE ONLY

Faith-Based Academic
Health Sciences Centers
in the U.S.



75+

Religions
Represented



80+

Countries
Represented



144+

Global Communities
Served through
Student Outreach

- **Faith-based Environment**
 - Students participate in weekly chapel service (time to destress)
 - Focus on wide-person care to treat every aspect of a patient
 - Teach students to worry about all aspects of patients' life

- Not just physical but overall well-being
- **Clinical Experience**
 - LLU's new hospital is one of largest + most technologically advanced Level 1 Trauma Centers
 - All of 2nd year + 3rd year IPPEs + majority of 4th year APPEs occur here
 - Main medical center is part of 6-hospital system
 - Includes children's hospital + behavioral medical center

Pharmacy Curriculum

- 1st year: largely basic sciences + some therapeutic courses
 - Basic sciences:
 - Foundations of biomedical sciences
 - Pharmaceutics series + labs
 - Pharmacokinetics
 - Biostatistics
 - Therapeutic courses:
 - Integrated pharmacology
 - Disease management series,
 - Pharmacy practice lab series
 - Pharmacist-guided self care
 - Drug information + literature evaluation
- **Clinical experience**
 - IPPE Community 1/2
 - Intro to hospital practice
 - APPE rotations
- **Religion courses**
 - Adventist beliefs + lifestyles
 - Christian perspectives on death + dying
 - Ethics in pharmacy practice
 - Advanced ethics in pharmacy practice

Dual Degrees

- Bioethics (PharmD + MA)
 - Healthcare pharmaceutical ethicists
 - 2-year program, start in PY2 year
 - Minimum GPA of 3.3
- Health Informatics (PharmD + MS)
- Health Professions Education (PharmD + MS)

Pharmacy Residencies

- Many of LLU's students go on to do residencies
 - LLU's residency match rate last year = 70%
- **PGY1**
 - General practice in one of following areas:
 - Pharmacy practice
 - Community-based pharmacy
 - Behavioral health ambulatory care pharmacy
- **PGY2**
 - Specialized residency practice in focus area including:
 - Ambulatory care, cardiology, pediatric, emergency medicine, infectious diseases, psychiatric, internal medicine, & many more!

Admissions Process

1. Apply online through PharmCAS (July 15-May 2)
 - Requires 2 letter of recs from non-family members (pharmacist recommended)
2. Apps are reviewed by admissions office as they come in
3. Applicants that meet all requirements are invited for an interview
 - Interviewers don't have access to applicant's file (prevents bias)
 - Just wants to get to know applicant better
4. Admissions committee review applicants + votes on acceptance
 - Applicants that have high GPA + good interview skip this step (fast track acceptance process)
5. Accepted applicants receive paper + electronic acceptance letters
 - Decision comes out within 10 days of interview date

Nation's First Hispanic Center of Excellence in Pharmacy

- Addresses lack of hispanic pharmacists in CA (8% of currently practicing pharmacists)
- Provide educational + training opportunities for LatinX community
 - Increases Hispanic representation among pharmacists
 - Addresses minority health issues
- Provide scholarship support for LatinX PharmD students, pharm techs, & fellows