



### DEGREE OFFERED

◆ BS+MS or MPT to PhD in Physical Therapy  
Online Track - 83 units

### PROGRAM OBJECTIVE

To prepare leaders in the profession of physical therapy who are capable of conducting research that will improve the lives of people through whole person care, to serve as client/patient advocates, and to serve as educators in entry-level and graduate physical therapy programs.

### PROGRAM DESCRIPTION

For almost three decades, graduates from our research orientated DSc (1995) and PhD (2015) programs have expanded the lives of students and patients around the world. Loma Linda University's strategic plan includes a powerful goal of "Anyone, Anytime, Anywhere" education which gave rise to our most recent program, the online PhD in Physical Therapy. This program adds extra flexibility for working physical therapists who are seeking a modern, evidence-based curriculum to serve the whole person.

Whether your goal is educating the next generation of therapists, expanding the current body of evidence-based practice knowledge or improving your skills as a clinician, this program will adapt to your busy schedule. On-line classes combine with routine mentoring to produce quality, cutting-edge research in a variety of laboratories, both on and off campus.

As part of the School of Allied Health Professions (SAHP), Department of Physical Therapy, the PhD program begins with a distinctive core of classes. These fundamental courses align with the American Physical Therapy Association's movement science agenda as well as with LLU's Mission, "To continue the healing ministry of Jesus Christ".

This curriculum is uniquely and individually designed to meet the student's interests, background and desired area of research. This is accomplished through collaboration with the program director and the dissertation chair who work carefully with the student to create an interesting, challenging and applicable direction of study that will facilitate acquisition of the skills needed to produce exceptional research. Because this is a research-oriented doctorate degree, the PhD student will then select a research guidance committee consisting of 3-4 content experts to facilitate student-driven, faculty-supported research that is ready for publication by the end of the program.

After completing the required number of units of didactic work and a comprehensive examination, PhD students will engage in the active research process utilizing the experience, skills and knowledge of their dissertation chair. These esteemed research mentors are recognized faculty of the LLU School of Allied Health & Faculty of Graduate Studies with a wide diversity of research interests and active research studies.

The PhD student's research will take place in one of several specialized laboratories including:

1. Orthoscience Research Laboratory
2. Neuroscience Research Laboratory
3. Motion Capture Research Laboratory
4. SAHP Clinical Molecular Research Laboratory
5. Off-site location with prior approval

### DOMAIN 1: CORE CURRICULUM

	<b>15u</b>
PTGR 552 Pain Science	3u
PTGR 580 Movement Science III: Bio Motor Control	3u
PTGR 550 Psychoneuroimmunology	3u
PTGR 591 Biomechanics I	3u
PTGR 599 Comprehensive Exam	0u
STAT 515 Grant/Contract Proposal Writing	3u

### DOMAIN 2: CLINICAL & APPLIED SCIENCES

**18u**  
The Dissertation Chair in collaboration with the Program Director and the student will select courses from the approved list based on the proposed research topic

### DOMAIN 3: LIFESTYLE HEALTH & WELLNESS

	<b>6u</b>
<i>(Select one from the list below)</i>	
AHCJ 528 Lifestyle Health & Wellness	3u
AHCJ 541 Managing Stress	3u
AHCJ 546 Therapeutic Humor in Health Care	3u

### DOMAIN 4: EDUCATION, ADMINISTRATION & LEADERSHIP

	<b>9u</b>
<i>(Select three from the list below)</i>	
AHCJ 506 Education Evaluation Clinical Assessment	3u
AHCJ 509 Transformational Teaching	3u
AHCJ 515 Curriculum Development in Higher Ed	3u
AHCJ 556 Administration in Higher Education	3u
AHCJ 564 Collaborative Learning in Higher Ed	3u

### DOMAIN 5: RELIGION

	<b>9u</b>
RELR 540 Health & Wholeness	3u
RELE --- Graduate-level – Ethical	3u
RELT --- Graduate-level – Theological	3u

### DOMAIN 6: RESEARCH & STATISTICS

	<b>26u</b>
AHRM 581 Research & Statistics I	3u
AHRM 582 Research & Statistics II	3u
PTGR 693 Research & Statistics III	3u
	Development & Approval of Research Topic
PTGR 694 Research & Statistics IV	3u
	Proposal Development & IRB Approval
PTGR 695 Research & Statistics V	3u, 3u
	Data Collection (A, B)
PTGR 696 Research & Statistics VI	3u
	Data Analysis
PTGR 699 Research & Statistics VII	3u
	Preliminary Dissertation
PTGR 594 Evidence Based Practice in PT	2u
PTGR 577 Dissertation Seminar (recommended)	0u

**TOTAL 83 quarter units**

## LEARNING OBJECTIVES

PhD Program Graduate will demonstrate:

- Skills to design and conduct novel, original research, provide evidence of an understanding of research designs and the ability to formulate, develop methodologies, collect data, excogitate conclusions, and effectively disseminate research findings;
- Qualities of lifelong learning and commitment to scholarship after graduation;
- The ability to add to the body of knowledge in physical therapy research literature through publications and presentations;
- A commitment to conducting research in lifestyle health and wellness and providing whole-person care.
- The ability to serve as an educator in entry-level, post-professional and graduate level programs
- Personal and group leadership skills at institutional, professional, national, and global levels.

## ADMISSION REQUIREMENTS

- Grade Point Average (GPA) Minimum = 3.3/4.0.
- GRE or approved substitution (e.g., structured interview)

## INTERNATIONAL STUDENTS

- TOEFL score of 80 or higher
- Foreign Transcript Evaluation (World Education Services [WES])

## PROGRAM INFORMATION

- ♦ Classes meet every Tuesday and Thursday evening from 5:00 to 10:20 p.m.
- ♦ **Financial Information**  
Please review LLU's Find a Program website [page](#) for the most up-to-date information on the cost of attendance.



Each student will be required to perform one or more research projects in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Physical Therapy. The typical costs for student research projects range from \$2,500 to \$10,000. During the research project planning and feasibility processes, each PhD student will create a research budget in consultation with their dissertation chair. The physical therapy department will cover the first \$2,500 of approved research expenses. The student and/or their sponsor will be required to cover any research-related expenses over this amount. When necessary, the program director and dissertation chair will assist the student in attempting to secure funding for unmet research expenses.

## COMPUTER REQUIREMENTS

### HARDWARE

- Personal computer or laptop
- iPad tablet to be used with iBook manuals with still and video images
- Speakers
- Microphone
- Webcam
- Additional Hardware may be Required

### SOFTWARE

- Windows 10 or newer
- Mac OS 10.14 or newer
- Please visit LLU Libraries, Information for Students, Software, Printing, and IT Help for available software for students (e.g., Canvas, PowerPoint, EndNote, Google Drive, Infobase Learning Cloud (e.g., Microsoft Office, Windows, OS X, Adobe), Panopto, Zoom, etc.)  
♦ <https://libguides.llu.edu/infoforstudents/software>
- Additional Software may be Required (Details can be found in the Course Syllabus)

### INTERNET CONNECTION

- High speed Broadband Internet Connection is Required

## HOW TO APPLY

For further information or to apply, please visit <http://alliedhealth.llu.edu/academics/physical-therapy/degree-options/physical-therapy-phd>

## CONTACT US

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*Assistant Dean, Research Affairs*

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*Director, Orthoscience Research Laboratory*

*Director, Motion Capture Research Laboratory*

*Professor*

LOMA LINDA UNIVERSITY | School of Allied Health Professions & Faculty of Graduate Studies

HARVARD UNIVERSITY | *Harvard Macy Institute Scholar and Alumnus*

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“As a working physical therapist, this program enhanced my knowledge and taught me the value of the whole person care”.

K. Sabha

*Reviewed 06/23/2023*



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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