SHAPING
Tomorrow’s Leaders in
HEALTH CARE
Students at the Thomas J. Long School of Pharmacy and Health Sciences benefit from a committed and dedicated faculty, along with a powerful network of alumni.

All three of our entry-level professional degree programs were reviewed and received full reaccreditation in 2011. This accomplishment is a testament to the exceptional education our students receive from the committed faculty and alumni throughout our programs.

Providing patients with the best possible care is the top priority of our students and graduates. We take the same approach to teaching. We're here to provide students with the best possible education. Our students' growth and their future are our priorities. That is what defines the Pacific experience. That is what makes Pacific the best choice for an education in health care.

Leaders in the Field
Consistently, the programs offered by the Thomas J. Long School of Pharmacy and Health Sciences attract a robust applicant pool of quality students. We consider this to be an acknowledgment of the superior education our students receive and the reputation for excellence for which our programs are known. For us, the admissions process is about molding the next generation of our professions, when we have a large number of applicants, we are best able to accomplish that goal.

Hands-on Learning
Hands-on learning is key to our program. Our students engage in local health care outreach activities and clinical rotations as part of their degree requirements.

Our philosophy is to educate our students to the practice act, the intention being that we do not assume a student will receive instruction on something after graduation. It is our mission to ensure that our graduates get everything they need to be successful practitioners before they leave Pacific.

By the time our students graduate from the Thomas J. Long School of Pharmacy and Health Sciences, they will have benefited from intensive experiential learning programs and community health care outreach activities. Our graduates will be practice-ready professionals.

Our students are provided with innovative programs and time-proven curriculum to become practice-ready professionals who will lead in the health care field.
DOCTOR OF PHARMACY

Our innovative, eight semester doctor of pharmacy curriculum exposes students to the pharmaceutical, administrative, social, behavioral and clinical science aspects of this field. From the very first semester, students develop clinical and patient-care skills – both are integrated throughout the curriculum. Students also gain patient care experience in a wide variety of settings that provide them with a foundation of practical training.

With the addition of our Introductory Pharmacy Practice Experience (IPPE) requirement, implemented in the revised doctor of pharmacy curriculum, we are bridging an important gap for our students as it relates to practical experience. The IPPE requirements include 300 hours of combined experience in hospital, community and geriatric pharmacy settings in addition to 35 hours of community outreach. This expanded IPPE program allows students to apply what they are learning in the classroom and to be better prepared for clerkships during their third year.

Students can earn a doctor of pharmacy degree in three years through our accelerated program. Although a bachelor's degree is not required, applicants to the accelerated program must complete at least 64 units in specific prerequisite courses.

All applicants are encouraged, and admitted students are required, to carefully read and agree to the Technical Standards and Graduation Requirements: www.pacific.edu/Admission/Graduate-Professional/Pharmacy.

PRACTICE SETTINGS

- Community Pharmacy and Consultant Pharmacists
- Hospitals and Other Institutional Settings
- Managed Care Pharmacy
- The Pharmaceutical Industry
- Academic Pharmacy
- Public Policy/Service

CAREER OUTLOOK*

- Employment of pharmacists is expected to increase by 25% from 2010 to 2020, faster than the average for all occupations.
- The median annual wage for pharmacists nationally was $111,570 in May 2010.
- According to a 2013 U.S. News & World Report article on the best health care jobs, pharmacy was ranked third with the top three highest paying metropolitan areas for a pharmacist to work located in California.


Our graduates are leading their professions today across the country. Our students will become part of this powerful and influential network.
PHARMACEUTICAL AND CHEMICAL SCIENCES

PHARMACEUTICAL AND CHEMICAL SCIENCES PROGRAM (MS/PHD)

In response to the increasingly complex and integrated research in the pharmaceutical, chemical and biotechnological environment, we offer an integrated, multidisciplinary program that prepares students to work in interdisciplinary research/development teams. Both doctor of philosophy and master of science degrees are offered. Admissions requirements include a bachelor’s degree, GRE scores, a minimum GPA of 3.0 in all upper-division undergraduate coursework, and letters of recommendation. Research areas include bioanalytical and physical chemistry, molecular-cellular pharmacology and toxicology, chemical synthesis, drug discovery and design, drug targeting and delivery, and pharmacoconomics and health care outcomes and services.

CAREER OPPORTUNITIES

- Researcher in the pharmaceutical, biotech or chemistry industry
- Faculty of academia
- Officers of public policy in state and federal agencies

DUAL DEGREE PROGRAMS

PHARM/D/MBA PROGRAM

The PharmD/MBA Dual Degree program can provide the skills, knowledge and practical experience students need to secure an executive position in health care organizations, retail pharmaceutical corporations or in the pharmaceutical industry. Through our accelerated program you can obtain both degrees in fewer than four years. To be eligible for this program transfer students must hold a bachelor’s degree and have satisfied all requirements for both programs (including GMAT or GRE scores). Pacific pre-pharmacy advantage students who have not earned a bachelor’s degree first earn their Doctor of Pharmacy degree as the final requirement to be awarded their MBA degree.

The U.S. Bureau of Labor Statistics expects greater use of pharmacists in managed care to help control costs and improve health. Strong analytical skills will be needed along with the ability to use pharmacy informatics. The PharmD/MBA degree provides an avenue for differentiation in a competitive marketplace.

CAREER OPPORTUNITIES

- Research scientist
- University professor
- Leadership position in the pharmaceutical industry
- Director of research in the health care insurance industry
- Director of public policy in health care agencies

PHARM/D/PHD PROGRAM

Graduates of our PharmD/PhD and PharmD/MS programs are in high demand in both industry and academia. To be eligible, students must satisfy all requirements for both programs, including GRE scores and a minimum GPA of 3.0 in all upper-division undergraduate coursework. Dissertation research areas include bioanalytical and physical chemistry, molecular-cellular pharmacology and toxicology, chemical synthesis, drug discovery and design, drug targeting and delivery, and pharmacoconomics and health care outcomes and services.

CAREER OPPORTUNITIES

- Department head in pharmaceutical manufacturing operations
- Leadership positions in pharmaceutical distribution organizations
- Administrator in research and managed care departments
- Department director in state and federal health care agencies
- Director of hospital agency operations

PHARM/D/MS PROGRAM

Graduates of our PharmD/PhD and PharmD/MS programs are in high demand in both industry and academia. To be eligible, students must satisfy all requirements for both programs, including GRE scores and a minimum GPA of 3.0 in all upper-division undergraduate coursework. Dissertation research areas include bioanalytical and physical chemistry, molecular-cellular pharmacology and toxicology, chemical synthesis, drug discovery and design, drug targeting and delivery, and pharmacoconomics and health care outcomes and services.

CAREER OPPORTUNITIES

- Research scientist
- University professor
- Leadership position in the pharmaceutical industry
- Director of research in the health care insurance industry
- Director of public policy in health care agencies

PHYSICAL THERAPY

DOCTOR OF PHYSICAL THERAPY

The doctor of physical therapy degree program is a 25-month course of study, in which students work with doctoralally-trained faculty members who possess clinical and basic science expertise in the four physical therapy practice patterns: musculoskeletal/orthopedic, neuromuscular, cardiopulmonary and integumentary. Commitment to a core curricular philosophy that involves an emphasis on basic science, professional behavior, clinical relevance in courses, early and progressive clinical experiences, student-centered learning, and excellence in teaching provides the foundation for an efficient and concise educational experience for students.

The field of physical therapy and its practice is a dynamic and evolving profession. Following a rigorous and balanced 25-month professional program, graduates of Pacific’s doctor of physical therapy program are prepared to meet the needs of their patients and society and to develop their expertise through their commitment to lifelong learning.

The program culminates in three full-time clinical internships; potential internship sites include acute care hospitals, sports rehabilitation clinics, pediatric settings, skilled nursing facilities, rehabilitation centers and private practices.

To be eligible for this program, students must possess a bachelor’s degree and have satisfied all requirements, including GRE scores and a minimum grade of C in all prerequisite courses.

CAREER OPPORTUNITIES

Physical therapists work in a wide variety of settings: hospitals, rehabilitation centers, long-term care facilities, acute care facilities, private practice, school systems, industry, sports medicine, home health, and more. Factors such as an aging population and improved management of chronic conditions have created an increasing need for physical therapists.

CAREER OUTLOOK*

- Employment of physical therapists is expected to increase 39% from 2010 to 2020, much faster than the average for all occupations.
- The median annual wage of physical therapists nationally was $76,310 in May 2010.


Julie Na ’10, PharmD/MBA

The Pacific PharmD/MBA program provided me a solid foundation in business principles and a stepping stone for success in my professional and personal life.
Students in the speech-language pathology program will focus on normal and abnormal speech, language and hearing processes. We offer both bachelor of science and master of science degrees in speech-language pathology.

**BACHELOR OF SCIENCE**
At the undergraduate level, students receive pre-professional and professional training in the field of speech-language pathology. Pacific is a national leader in undergraduate clinical education and one of the few speech-language pathology programs in California to offer undergraduate clinical experience.

Starting in the junior year, students obtain their observation hours in the on-campus Pacific Speech, Hearing and Language Center and the nearby Scottish Rite Childhood Language Disorder Center. During their senior year, students participate in clinic in both diagnostic and therapy sessions to supplement their academic preparation, if specific requirements are met. Students typically receive 70 hours of clinical experience.

**MASTER OF SCIENCE**
The speech-language pathology graduate program offers two accelerated master’s degree programs. Faculty advisors work with students to develop an appropriate plan of study that meets the needs of individual students.

- **15-Month Program (4 semesters):** For graduate students entering with an undergraduate degree in speech-language pathology
- **24-Month Program (6 semesters):** For graduate students entering with non-speech-language pathology baccalaureate degrees

Both accelerated, the 15-month program allows the graduate to begin their careers 9-12 months earlier than graduates of other universities and the 24-month program allows the graduate to begin their careers two years (24 months) earlier than graduates of other universities. Most other universities require four years of full-time study to earn the graduate degree. This is an important factor when weighing cost benefits of our program versus other programs.

**CLINICS AND FACILITIES**
Pacific Speech, Hearing & Language Center
- Ten therapy rooms with observation facilities
- State-of-the-art audiology suite (diagnostic test equipment — audiometry, tympanometry, otoacoustic emissions, auditory brainstem response, videonystagmography, real ear measurements, and digital hearing aid technology)
- Therapy rooms equipped with Kay Computerized Speech Lab, IBM Speech Viewer, Visi-pitch, Boardmaker and Videendoscopy

Stockton Scottish Rite Language Center
- Eight therapy rooms with observation facilities; computerized therapy programs and materials available on-site for students to use with clients in therapy

**CAREER OPPORTUNITIES**
- Private practices in speech-language pathology
- Provider of speech-language pathology to school districts
- Hospital staff speech pathologist
- Provider of speech pathology services to victims of trauma in hospital and outpatient settings

**CAREER OUTLOOK**
- Employment is expected to grow by 23% from 2010 to 2020, faster than the average for all occupations. As the large baby-boom population grows older, there will be more instances of health conditions that cause speech or language impairments, such as strokes, brain injuries, and hearing loss. This will result in increased demand for speech-language pathologists.
- The median annual wage of speech-language pathologists nationally was $66,920 in May 2010.

**PRE-PHARMACY/PHARM D PROGRAM OPTIONS**

**OPTION 1**
- Five-year (2+3) high school 3.75 GPA*
- In addition to 1350 SAT** or 30 ACT required for admission consideration

**OPTION 2**
- Six-year (3+3) high school 3.65 GPA*
- In addition to 1270 SAT** or 28 ACT required for admission consideration

**OPTION 3**
- Seven-year (4+3) high school 3.2 GPA*
- In addition to 1050 SAT** or 22 ACT required for admission consideration

**MINIMUM ADMISSION CRITERIA**
- On a 4.0 scale
- **Combination of reading and math only**

**PRE-PHYSICAL THERAPY ADVANTAGE ADMISSION REQUIREMENTS**

**FOR FRESHMAN**
- High School GPA of 3.5 (on a 4.0 scale)
- ACT Composite Score of 25, or
- SAT-1 combined score of 1100 with a minimum of 500 both verbal and math

**FOR NON-FRESHMAN UNDERGRADS**
- Cumulative College GPA of 3.2 (on a 4.0 scale)

**PRE-DPT ADVANTAGE PROGRAM**
The Pre-Physical Therapy program, designed for first-time freshman, enables students to complete their undergraduate requirements in the same environment as their professional pharmacy studies. The benefit? Students’ undergraduate science coursework will be tailored to a pre-pharmacy curriculum, they will receive advising directly from pharmacy faculty and will enjoy many opportunities to become actively involved with professional pharmacy student organizations.

Pacific offers three options which provide guaranteed admission into our Professional Pharmacy (PharmD) Program, if all Pre-Pharmacy Advantage requirements are met. Requirements include taking courses in sequence at Pacific, meeting minimum GPAs and passing a formal pharmacy interview (which includes a writing sample). The current University minimum GPA requirement needed as one part of advancing from any of these Pre-Pharmacy Advantage Programs into our Professional Pharmacy Program is 3.00 overall and 2.70 in selected math/science courses. Applicants are encouraged to carefully read the Technical Standards and Graduation requirements, and if admitted, to notify the appropriate person for information on special accommodations: go.pacific.edu/pharmd/techstandards.

**PRE-DOCTOR OF PHYSICAL THERAPY ADVANTAGE PROGRAM**
Through the Pre-Physical Therapy (Pre-DPT) Advantage Program students are provided with the opportunity to receive academic and pre-professional advising throughout their academic experience as they prepare to apply for admission into the doctor of physical therapy program.

- Students in the Pre-DPT Advantage Program complete their undergraduate requirements at the same institution as their graduate level physical therapy studies
- Students take undergraduate coursework tailored to a Pre-DPT curriculum
- Students complete a bachelor’s degree with the “4-Year Pacific Plan” guarantee
- Students receive priority admission to the Pre-DPT Advantage Program (with successful completion of an interview and all prerequisite requirements)
**FAST FACTS**

**University of the Pacific**

**Enrollment by Campus (Fall 2012)**

- Stockton: 5,290 (Campus total)
  - Undergraduate: 3,867
  - Graduate: 778
  - Professional Pharmacy: 645
  - Sacramento: 854
  - San Francisco: 508
  - Dental School: 6,652 (Total University Enrollment)

**Undergraduate Academic Statistics**

- 20 | Average class size
- 13:1 | Student/Faculty Ratio

**2012 Freshman Class**

- 22,972 | Applied
- 852 | Enrolled
- 1200/3.54 | Total freshman class admitted
  - SAT/GPA average

**2013 Freshman Class**

- 21,816 | Applied
- 1182/3.55 | Total freshman class admitted
  - SAT/GPA average
- 1338/3.74 | Thomas J. Long School of Pharmacy and Health Sciences freshman
  - class admitted SAT/GPA average

**Colleges and Schools**

More than 80 majors and programs offered by:
- Arthur A. Dugoni School of Dentistry
- College of the Pacific
- Conservatory of Music
- Eberhardt School of Business
- Gladys L. Benard School of Education
- Pacific McGeorge School of Law
- School of Engineering and Computer Science
- School of International Studies
- Thomas J. Long School of Pharmacy and Health Sciences

**Freshman Application Deadlines**

November 15 | Priority date for applicants to:
- Early Action
- Powell Scholarship
- Pre-Pharmacy

January 15 | Regular decision for all other programs

**Graduate and Doctor of Pharmacy Application Deadlines**

Visit www.pacific.edu/admission for specific deadlines and application information

**Stockton Statistics**

- 291,707 | Population
- Climate | mild versions of all four seasons
  - Average High Temperatures
    - Summer: mid-80s to mid-90s
    - Winter: mid-50s to mid-60s
- Location
  - In the heart of California’s great Central Valley
  - 50 miles south of Sacramento
  - 85 miles east of San Francisco
  - 100 miles west of Yosemite National Park
  - 150 miles north of the Monterey Peninsula

**2013 Doctor of Pharmacy Class Admission Statistics***

- 1,490 | External applicants
- 200 | External admission offers
- 103 | External enrolling (approx.)
- 3.31 | Average GPA of enrolling students
- 93% | Enrolling external students with bachelor’s degrees
- 107 | Number of Pacific Pre-Pharmacy Advantage students entering the Doctor of Pharmacy program

**2013 Physical Therapy Admission Statistics**

- 550 | Applicants
- 37 | Admitted
- 3.54 | Average college GPA

**2013 Speech-Language Pathology Admission Statistics**

- 321 | Applicants
- 30 | Admitted
- 3.68 | Average college GPA

*Admission to the Pre-Pharmacy Advantage program and other accelerated tracks is more competitive.
**Critical Reading + Math
***This includes Pre-Health Advantage and undergraduate Speech-Language Pathology.