DOCTOR OF PHARMACY (PHARMD)

Visit program website. (https://pharmd.ucsf.edu/about)

Degree Offered: Doctor of Pharmacy
Program Leadership:
Sharon Youmans, PharmD, MPH, FAPhA, Executive Vice Dean
Tram Cat, PharmD, FCHSP, Associate Dean
Admissions Inquiries:
Joel W. Gonzales, Director of Admissions

Program Description

The UCSF PharmD degree program prepares graduates to be academically and professionally ready for careers in pharmacy practice as caring, patient-centered experts in the safe and effective use of medicines.

Admission Requirements

- Minimum GPA of 2.8
- Minimum completion of 88 quarter units or 59 semester units
- For specific course requirements please see pharmd.ucsf.edu/admissions/reqs (https://pharmd.ucsf.edu/admissions/reqs)

Learning Outcomes

CAPE 2013 Educational Outcomes

Domain 1 – Foundational Knowledge

1.1. Learner (Learner): Develop, integrate, and apply knowledge from the foundational sciences (i.e., ***pharmaceutical, social / behavioral / administrative,*** and ***clinical sciences***) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and ***patient-centered care***.

Domain 2 – Essentials for Practice and Care

2.1. Patient-centered care (Caregiver): Provide ***patient-centered care*** as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor and adjust plans, and document activities).

2.2. Medication use systems management (Manager): Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.

2.3. Health and wellness (Promoter): Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.

2.4. Population-based care (Provider): Describe how ***population-based care*** influences ***patient-centered care*** and influences the development of practice guidelines and evidence-based best practices.

Domain 3 - Approach to Practice and Care

3.1. Problem solving (Problem Solver): Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.

3.2. Educator (Educator): Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.

3.3. Patient advocacy (Advocate): Assure that patients' best interests are represented.

3.4. Interprofessional collaboration (Collaborator): Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.

3.5. Cultural sensitivity (Includer): Recognize ***social determinants of health*** to diminish disparities and inequities in access to quality care.

3.6. Communication (Communicator): Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

Domain 4 – Personal and Professional Development

4.1. Self-awareness (Self-aware): Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.

4.2. Leadership (Leader): Demonstrate responsibility for creating and achieving shared goals, regardless of position.

4.3. Innovation and entrepreneurship (Innovator): Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.

4.4. Professionalism (Professional): Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.

UCSF Interprofessional Educational Outcomes 2015

The goal of IPE at UCSF is rooted in a set of common graduation milestones, which have been adopted by every professional school and program. By graduation, every health professions learner will be able to:

IPE-1. Use the knowledge of one's own role and the roles of other health professionals to appropriately assess and address the health care needs of the patients and populations served.

IPE-2. Communicate with other health professionals in a responsive and responsible manner that supports a collaborative approach to the maintenance of health and the treatment of disease in individual patients and populations.

IPE-3. Work with other health professionals to establish and maintain a climate of mutual respect, dignity, diversity, ethical integrity, and trust.

pharmd.ucsf.edu/curriculum/outcomes (https://pharmd.ucsf.edu/curriculum/outcomes)

Additional Information

Career Outcomes

- https://pharmd.ucsf.edu/about/grad-rate-performance

Degree Requirements

To graduate, candidates for the Doctor of Pharmacy degree must:

1. Complete all required didactic and experiential coursework with a passing grade as established by policies of the Curriculum and Educational Policy Committee.
2. Complete all required didactic and experiential Interprofessional coursework with a passing grade as established by policies of the Interprofessional Education Classroom Committee.

3. Meet or exceed all graduation requirements as judged by the Subcommittee on Student Progress.
4. Be recommended for the degree to the Faculty Council.
5. Show evidence of possessing satisfactory professional qualifications.
6. Register and complete no fewer than 12 quarters.
7. Pay all fees and financial obligations to the University.
8. Fulfill the general regulations (https://senate.universityofcalifornia.edu/bylaws-regulations/regulations/rpart3.html) for granting degrees of the University of California.
9. Complete the requirements of the Doctor of Pharmacy degree within 4 years of the date he/she/they entered as a first-year student, excluding approved leaves of absence.
10. Complete all required didactic and experiential Interprofessional coursework with a passing grade as established by policies of the Program for Interprofessional Practice and Education: PIPE (https://interprofessional.ucsf.edu/)

URL: https://pharmd.ucsf.edu/academics/requirements

Core Courses

Course	Title	Units
Year 1		
Summer		
PHARMIS 110	Foundations I	14.5
CL PHARM 170	Applied Patient Care Skills I	2.5
	Units	**17**
Fall Quarter		
PHARMIS 111	Cardiovascular Science & Therapeutics	11.5
CL PHARM 171	Applied Patient Care Skills II	1
CL PHARM 181	Introductory Pharmacy Practice Experience - Community A	2.5
	Units	**15**
Winter Quarter		
PHARMIS 112	Respiratory Science & Therapeutics	9.5
CL PHARM 172	Applied Patient Care Skills III	1
CL PHARM 182	Introductory Pharmacy Practice Experience - Community B	2.5
PHARMIS 122	Inquiry Immersion 1	2.5
	Units	**15.5**
Spring Quarter		
PHARMIS 113	Renal Science and Therapeutics	6
PHARMIS 114	Gastrointestinal Science and Therapeutics	8
CL PHARM 173	Applied Patient Care Skills IV	1
CL PHARM 182	Introductory Pharmacy Practice Experience - Community B	2.5
	Units	**17.5**
Year 2		
Summer		
PHARMIS 115	Foundations II	3
PHARMIS 116	Endocrine Science and Therapeutics	9.5
CL PHARM 174	Applied Patient Care Skills V	1
CL PHARM 183	Introductory Pharmacy Practice Experience - Health Systems	3.5
	Units	**17**
Fall Quarter		
PHARMIS 117	Neuroscience and Therapeutics	14.5
CL PHARM 175	Applied Patient Care Skills VI	1
CL PHARM 183	Introductory Pharmacy Practice Experience - Health Systems	1.5
	Units	**17**
Winter Quarter		
PHARMIS 118	Oncology Science and Therapeutics	5.5
PHARMIS 119	Infectious Disease Science and Therapeutics	8
CL PHARM 176	Applied Patient Care Skills VII	1
CL PHARM 183	Introductory Pharmacy Practice Experience - Health Systems	2.5
	Units	**17**
Spring Quarter		
PHARMIS 120A	Discovery Groups Research Block	5
PHARMIS 120B	Intensive Discovery Research Project (12 units) Students take either 120A + APPE rotation, or 120B (12 units total)	
CL PHARM 183	Introductory Pharmacy Practice Experience - Health Systems	2.5
Select one of the following:		7
CL PHARM 190A	Non-Direct Patient Care APPE Elective	
CL PHARM 191A	Direct Patient Care APPE Elective	
CL PHARM 192	Hospital Pharmacy Systems & Practice APPE	
CL PHARM 193	Community Pharmacy Systems & Practice APPE	
CL PHARM 194	Acute Patient Care APPE	
CL PHARM 195	Ambulatory Patient Care APPE	
	Units	**14.5**
Year 3		
Summer		
Select two from the following:		14
CL PHARM 190A	Non-Direct Patient Care APPE Elective	
CL PHARM 191A	Direct Patient Care APPE Elective	
CL PHARM 192	Hospital Pharmacy Systems & Practice APPE	
CL PHARM 193	Community Pharmacy Systems & Practice APPE	
CL PHARM 194	Acute Patient Care APPE	
CL PHARM 195	Ambulatory Patient Care APPE	
	Units	**14**
Fall Quarter		
Select two from the following:		14
CL PHARM 190A	Non-Direct Patient Care APPE Elective	
CL PHARM 191A	Direct Patient Care APPE Elective	
CL PHARM 192	Hospital Pharmacy Systems & Practice APPE	
CL PHARM 193	Community Pharmacy Systems & Practice APPE	
CL PHARM 194	Acute Patient Care APPE	
CL PHARM 195	Ambulatory Patient Care APPE	
	Units	**14**
Winter Quarter		
Select two from the following:		14
CL PHARM 190A	Non-Direct Patient Care APPE Elective	
CL PHARM 191A	Direct Patient Care APPE Elective	
CL PHARM 192	Hospital Pharmacy Systems & Practice APPE	
CL PHARM 193	Community Pharmacy Systems & Practice APPE	
CL PHARM 194	Acute Patient Care APPE	
CL PHARM 195	Ambulatory Patient Care APPE	
	Units	**14**
Spring Quarter		
PHARMIS 121	Discovery Project Final Analysis and Completion	2
Select one of the following:		7
CL PHARM 190A	Non-Direct Patient Care APPE Elective	
CL PHARM 191A	Direct Patient Care APPE Elective	
CL PHARM 192	Hospital Pharmacy Systems & Practice APPE	
CL PHARM 193	Community Pharmacy Systems & Practice APPE	
CL PHARM 194	Acute Patient Care APPE	
CL PHARM 195	Ambulatory Patient Care APPE	
	Units	**9**
	Total Units	**181.5**