

NAAHP

The purposes of the National Association of Advisors for the Health Professions is to advance undergraduate education for all the health professions, to further the development of health science curricula, to facilitate the exchange of information, to sponsor research, and to conduct educational meetings.

naahp.org

CSULB Health Professions Fair

April 15th, 2020

Mark Your Calendar!

Invite Your Students!

What did you think of the conference?

Tell us here!

Open your camera app

Hold your device over a QR Code so

that it's clearly visible within your smartphone's screen



Mini Fair Participants

CSULB

(Speech Language Pathology Program)

COPE Health Scholars

CSU San Marcos School of Nursing

David Geffen School of Medicine at UCLA

(PREP & RAP Program)

Herman Ostrow School of Dentistry of USC

I'm Possible College Admission Consulting

Loma Linda University

(Physical Therapy & Communication
Sciences)

Marshall B. Ketchum University

(Physician Assistant, Optometry and
Pharmacy)

Palmer College of Chiropractic Medicine

St. George's University School of Medicine

UC Berkeley Optometry

Western University of Health Sciences

(9 Health Profession Graduate Programs)

Guiding the Health Professions Student

A Conference for Counselors

Friday

September 13th, 2019

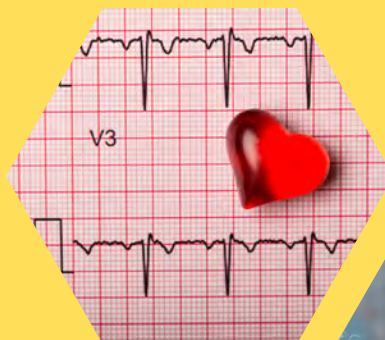
WHITAKER HEALTH PROFESSIONS
ADVISING OFFICE
CALIFORNIA STATE UNIVERSITY
LONG BEACH

About Us

The Whitaker Health Professions Advising Office (HPAO) at California State University, Long Beach is committed to helping students develop an understanding of health professions and foster their intellectual, personal and humanistic development as they prepare for careers in health professions. In addition, the HPAO is devoted to enhancing opportunities for underrepresented, first-generation college students to become leaders in a complex healthcare system, working to increase health and wellness within their communities.

"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do".

-Pele



Agenda

Opening Keynote 8:30 am-9:20 am

Herman Ostrow School of Dentistry of USC
Dental Hygiene
Director: Diane Melrose

Breakout Session I 9:30 am-10:20 am

Palmer College of Chiropractic Medicine
SUNSET A
Western University: Optometry
SUNSET B
CSULB: Speech Language Pathology
SUMMIT

Breakout Session II 10:30 am-11:20 am

St. Georges University School of Medicine
SUNSET A
Marshall B. Ketchum University:
The School of PA Studies
SUNSET B
Marshall B. Ketchum University:
The School of Pharmacy
SUMMIT

Closing Keynote 11:30 am-12:20 pm

California State University San Marcos
School of Nursing
Director of Recruitment: Jay Franklin

Mini Fair 11:00 am-1:00 pm



CAL STATE SAN MARCOS & **EXTENDED LEARNING**





Jay Franklin

CSUSM Extended Learning

Director of Recruitment and CRM Administrator

GEL Instructor

- 
- Non-traditional student
 - **2007:** BA, Human Development (Active in SLL and ASI)
 - Path towards a career in higher education started
 - **2009:** MA, Education (shared my Ashford story with a Dean)
 - Parks and Recreation Commissioner
 - First year, 3-unit seminar lecturer



A forward-focused institution dedicated to

- Preparing future leaders
- Building great communities
- Solving critical issues

CSUSM FAST FACTS

THE PEOPLE

- **17,000** students (Fall 2018)
- **284** tenure-track faculty

FINANCIAL AID

- **91** percent of students who applied, received financial aid
- **\$11,197** average financial aid package

THE PROGRAMS

- **43** undergraduate majors
- **39** minors
- **24** master's degrees
- **8** credential programs
- **1** joint doctoral degree with UC San Diego

ACCESS

- **53%** of CSUSM graduates were the first in their family to earn an undergraduate degree!



Ellen Neufeldt

CSUSM's fourth president took
leadership July 1, 2019



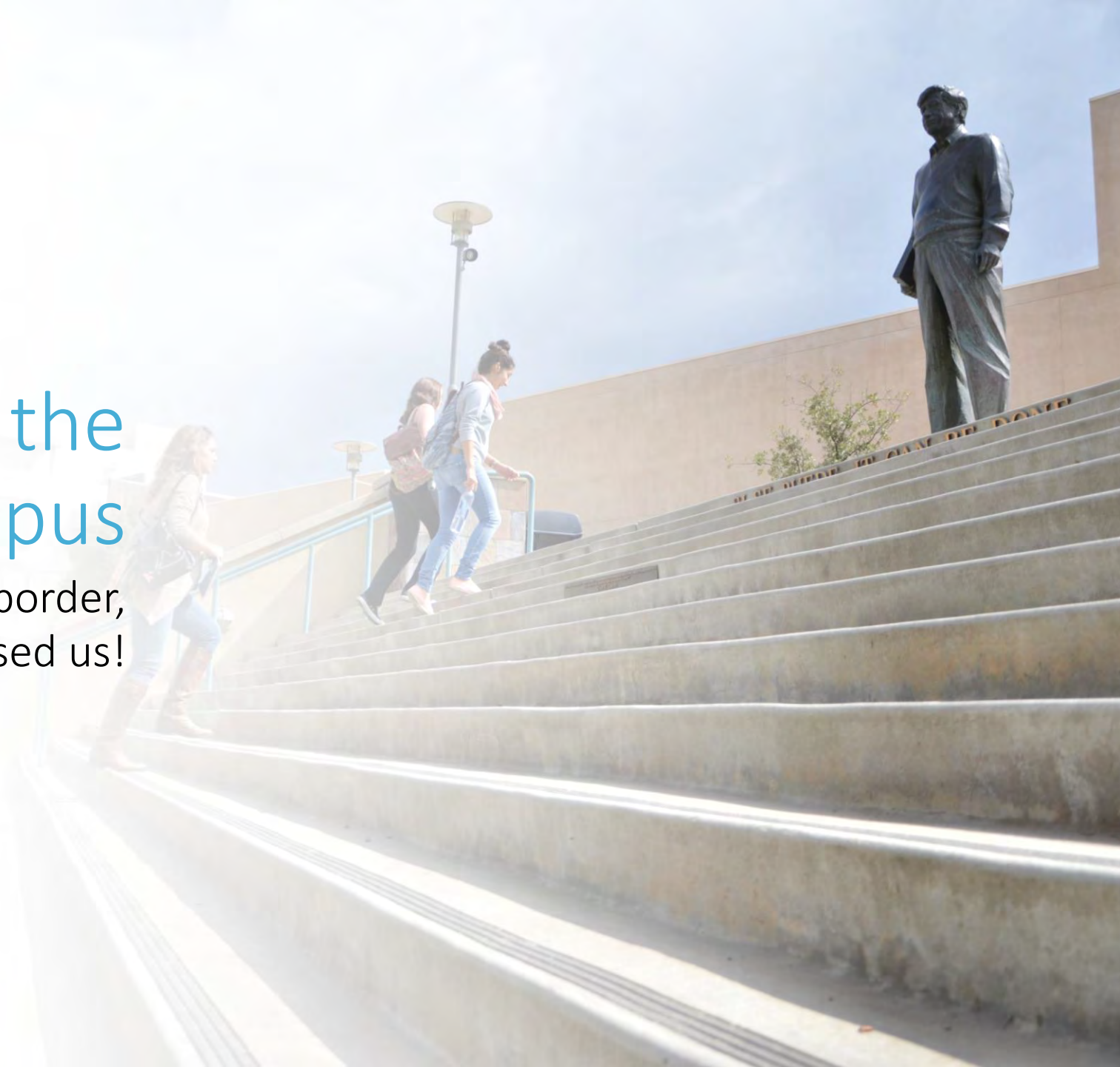
BUILT UPON LUISEÑO LAND

*“With the Mind of a Tukwut
and the Heart of a Cougar”*

- CSUSM is the 1st CSU to have employed a full-time Tribal Liaison
- CSUSM is home to the one and only California Indian Culture and Sovereignty Center
- Tukwut and Cougar Mascot

César Chávez at the center of campus

We didn't cross the border,
the border crossed us!



CENTRAL TO THE **CSUSM** IDENTITY

Commitment to social justice

- The idea of acting with equality, equity, fairness and dignity to all human beings.

Respect for human dignity

- The right of a person to be valued and respected for their own sake, and to be treated ethically.
- Human dignity is inherent to every human being, inalienable and independent of the state.



HOW DO YOU DESCRIBE **EL**?

Really, how do you describe Extended Learning?

EL PROGRAMS ARE FUNDED BY THE STATE

INCORRECT!

EL is a self-supported entity, covering the cost of business through revenues generated by our programs. In addition, EL gives a large portion of the gross revenue to the university each year to support programs, colleges and the university as a whole.



**EL PROGRAMS ARE NOT
FINANCIAL-AID ELIGIBLE**

WRONG!

Our degree and credit-based certificate programs are financial-aid eligible. CalGrant works for all CSUSM undergraduate degrees! We even have aid available for our noncredit programs, such as assistance for veterans and WIOA funding.

EL PROGRAMS ARE DESIGNED FOR WORKING PROFESSIONALS ONLY

NOT TRUE!

Though many of our programs are developed to meet the needs of working students, the vast majority of our programs are developed for the full-time day student.



WHAT IS EL?

- Extended Learning embodies the same values, vision and academic standards as CSUSM
- EL degrees and programs are taught by faculty from all four CSUSM colleges as well as industry subject-matter experts and leaders
- EL degree programs feature cohorts: Students progress as a group with guaranteed classes and time to graduation as well as defined costs. **EL programs achieve a 95-97% graduation rate!**

WHAT IS EL?

- Extended Learning offers programs in classroom-based, online and hybrid modalities
- There are many evening and weekend classes as well as part-time and/or accelerated options for working professionals
- EL operates at the main CSUSM campus in San Marcos and at two campuses in Temecula

WHAT IS EL?

- EL programs do not apply an out-of-state tuition surcharge
- EL programs fill a need for students and/or regional employers with campuses in San Marcos and Temecula
- Through CSUSM, Extended Learning develops and administers degrees, certificate programs and courses **WITH NO FUNDING** from the state of California

WHAT IS EL?

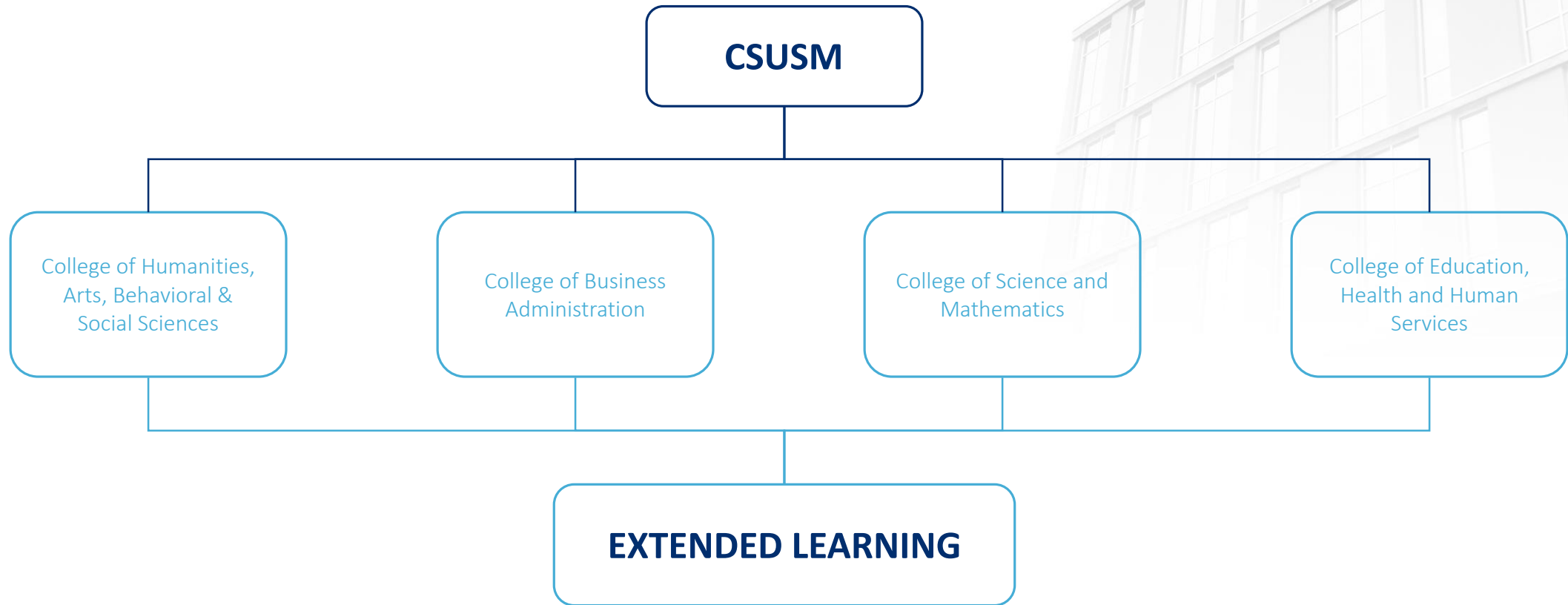
- Extended Learning at CSUSM oversees Global Programs and Services for CSUSM, including
 - Study Abroad programs for students and faculty
 - International student recruitment and advising
 - English-language training programs



EL IN A NUTSHELL

- Provide access to degree options that otherwise wouldn't exist due to limited state funding
- Maintain campus operations in San Marcos and Temecula
- Oversee Global Programs and Services for CSUSM
- Degree programs are financial-aid eligible
- No out-of-state tuition
- Service area restrictions do not apply to EL

COLLEGE PARTNERSHIP





CREDIT CERTIFICATE PROGRAMS

- Pre-Health Professions
- Speech-Language Pathology Prep (*Online*)
- Post-MS in Nursing

UNDERGRADUATE PROGRAMS

- BS in Kinesiology: Health Science Option
- BS in Kinesiology: Movement Science Option (*Accelerated*)
- BS in Nursing (*Accelerated*)
- RN to BS in Nursing (*Online*)
- BA in Sociology (*Online*)
- BS in Speech-Language Pathology

GRADUATE PROGRAMS

- MS in Nursing
- Master of Public Health
- MS in Speech-Language Pathology
- Master of Social Work

COST PER UNIT

Undergraduate:

\$399-\$499 per unit

Graduate:

\$549-\$799 per unit

APPLES TO APPLES

STATESIDE TUITION & FEES	KINE TUITION & FEES	RN-BSN TUITION & FEES
\$7,702 per year	\$449 per unit, \$31,940	\$299 per unit, \$11,362
@5 years = \$38,510	Joined after stateside*, \$45,548	Joined after stateside
@5 ½ years = \$42,361	Joined after local college, \$34,820	Joined after local college, \$14,362

**Stateside: Programs on main campus that are funded with state monies.*



RN to BSN

Offered Online

Earning a BSN versus an ADN provides more career options, often with higher pay; opens up career paths such as nurse educator or public health nurse; and serves as the next step to advanced nursing roles, including nurse practitioner, clinical nurse leader and more.

– NurseJournal.org, 2018

RN-BSN

Offered Online

- 38 units
- \$299 per unit
- \$11,362 total tuition
- \$60 fees per semester (online students pay limited fees)
- 14-month program (four semesters)
- 5 admit cycles over 3 semester (120 students per semester)



RN-BSN

Offered Online

- Minimum 2.00 cumulative grade point average in all transferable units attempted
- Minimum of 60 transferable units completed
- Successful completion of the pre-nursing core with a C or better (12 units) **and** a minimum 2.75 pre-nursing core GPA
 - Oral Communication (A1)
 - Written Communication (A2)
 - Critical Thinking (A3)
 - Mathematics/Quantitative Reasoning (B4)

RN-BSN

Offered Online

- Successful completion of Associate Degree in Nursing and RN license
- Successful completion of the following courses with a C or better (minimum 2.75 pre-nursing core GPA)
 - BIOL 160 - Microbiology for health sciences
 - BIOL 175 - Introduction to Human Anatomy and Physiology I
 - BIOL 176 - Introduction to Human Anatomy and Physiology II
 - CHEM 105 - General, Organic and Biochemistry for Life
 - CHEM 105L - General, Organic and Biochemistry for Life Laboratory



PREFERRED PREPARATION

Students interested in the online format should have the following skills:

- Computer literacy, Including email, uploading and downloading documents, Microsoft Office, etc.
- Strong reading and writing skills
- Self-motivated and independent learner
- Time-management skills

Online is not for everyone but it is a convenient option for many working professionals.



Accelerated BSN

Offered in San Marcos and Temecula

“In med-surg (Medical-Surgical Nursing), they put me on the medical-surgical floor of a hospital. It’s great reinforcement because you study it and then you go to the hospital and you are working with patients.”

– Joshua De Jesus, Graduate

ACCELERATED BSN

Offered in San Marcos and Temecula

- 74 units (49 lecture and 25 clinical)
- \$599 per unit
- \$44,326 total tuition
- \$1,023 fees per semester (San Marcos)
- \$989 fees per semester (Temecula)
- Two-year program (six semesters)
- Admits every semester (60 students per cycle)



ACCELERATED BSN

Offered in San Marcos and Temecula

- Bachelor's degree
- Minimum 2.5 GPA in the last 60 units completed
- Completion of the pre-nursing core
- Minimum of 2.75 GPA in pre-nursing core (C grades or higher; C- grades are not acceptable)
- Passage of the TEAS exam with a minimum 71.0% composite score

ABSN Statistics for Admitted Cohorts

52 POINTS MAX	SUMMER 2018	FALL 2018	SPRING 2019	SUMMER 2019
Overall points	AVG: 30.65 Range: 25-49	AVG: 31.38 Range: 27-43	AVG: 32.43 Range: 32-49	AVG: 29.94 Range: 29-47
Pre-nursing core GPA	AVG: 3.50	AVG: 3.53	AVG: 3.59	AVG: 3.47
Last 60 GPA	AVG: 3.61	AVG: 3.55	AVG: 3.53	AVG: 3.55
TEAS composite score	AVG: 83.64	AVG: 85.29	AVG: 84.74	AVG: 84.41

<https://www.csusm.edu/el/degreeprograms/absn/absnstats.html>

CAREER SNAPSHOT: REGISTERED NURSE

Median Salary: \$71,730/year
\$34.49/hour

States With
Highest Employment: California, Texas, New York

Growth through 2018: 12%

More Info: California Nurses Association

Source: Bureau of Labor Statistics



Master of Public Health

Offered in San Marcos and Online

“The important thing about the MPH program is that the professors are truly invested in making students succeed in real-world health practice. Members of the cohort not only provide help to one another, but they build real, lasting relationships. I feel blessed to have been a part of this program.”

– Penny Peyton, Graduate; National Diabetes Prevention Program Lifestyle Coach, San Diego Health and Human Services Agency



MASTER OF PUBLIC HEALTH

Offered in San Marcos and Online

- 42 units
- \$599 per unit
- \$25,158 total tuition
- \$1,023 fees per semester, in-person program
- \$60 fees per semester, online program (online students pay limited fees)
- 16-month accelerated program (four semesters)
- 2 admit cycles, spring and fall (100 students per cycle)

MASTER OF PUBLIC HEALTH

Offered in San Marcos and Online

- Bachelor's degree
- Minimum 2.5 GPA in last 60 units of undergraduate coursework or last degree completed
- Completion of statistics or quantitative methods with a grade of C or better
- Résumé demonstrating experience (paid or volunteer) in any health-related area
- Two letters of recommendation from persons familiar with the student's academic/professional qualifications relevant to the MPH degree
- Personal statement describing how the MPH program relates to applicant's professional goals



CAREER SNAPSHOT: EPIDEMIOLOGIST

Median Salary: \$69,660/year
\$33.49/hour

States With
Highest Employment: California, Texas, Georgia

Growth through 2018: 9%

More Info: American Public Health Association

Source: Bureau of Labor Statistics

CAREER SNAPSHOT: HEALTH EDUCATOR

Median Salary: \$54,220/year
\$26.07/hour

States With
Highest Employment: California, New York, Florida

Growth through 2018: 10%

More Info: California Assn. of School Health Educators

Source: Bureau of Labor Statistics



Pre-Health Professions

Offered in San Marcos

Certificate program designed for students who hold a non-science bachelor's degree and want to apply to a health professions school (dental, medical, veterinary, etc.)

"I need to work 40 hours to support myself, so this program solidified my options because you're in and out in two years, classes are all at night and they are all guaranteed so you don't have to crash."

– Shannon Gargas, Student; Medical Scribe and Research Assistant



PRE-HEALTH PROFESSIONS

Offered in San Marcos

- 51 units
- \$499 per unit
- \$25,449 total tuition
- \$60 fees per semester
- 21-month program (five semesters)
- Fall admit cycle (40 students)

PRE-HEALTH PROFESSIONS

Offered in San Marcos

Admission Requirements

- Must have earned a non-science bachelor's degree with a minimum overall GPA of 3.0 in the last 60 units completed

Helpful Format

- Classes are held weekday evenings over five semesters, part time (fall, spring, summer, fall, spring)
- Cohort structure guarantees classes
- Up-to-date courses help prepare for MCAT, etc.



SAN MARCOS CAMPUS LOCATIONS

CSUSM

333 S. Twin Oaks Valley Road, San Marcos, CA 92096

• 760-750-4004

BUSINESS HOURS

8 am – 5 pm • M - F

Extended Learning Building

288 Campus Way, San Marcos, CA 92078

• 760-750-4004

BUSINESS HOURS

6:30 am – 10:30 pm • M - F

6:30 am – 7 pm • Saturday



TEMECULA CAMPUS LOCATIONS

CSUSM Temecula Campus

43890 Margarita Road, Temecula, CA 92592

• 951-676-9254

BUSINESS HOURS

8 am – 5 pm • M - F

Temecula Higher Education Center

43200 Business Park Drive, Temecula, CA 92590

• 951-506-6752

BUSINESS HOURS

8 am – 5 pm • Tuesdays and Fridays

**Know your story,
share your story
often...**



**Thank you for your
dedication to helping
students achieve
their dreams!**



Jay Franklin

Director of Recruitment and CRM Administrator

JFrankli@csusm.edu | 760-750-8713

A photograph of three people in white lab coats standing on a balcony and talking. The image is darkened to serve as a background for the text. The person on the left is a man with glasses, the person in the middle is a man with a tie, and the person on the right is a woman.

Navigating the Physician Assistant Profession

Leslie Lim, M.A.
Director of Admissions
lilim@ketchum.edu

Presentation provided in cooperation with



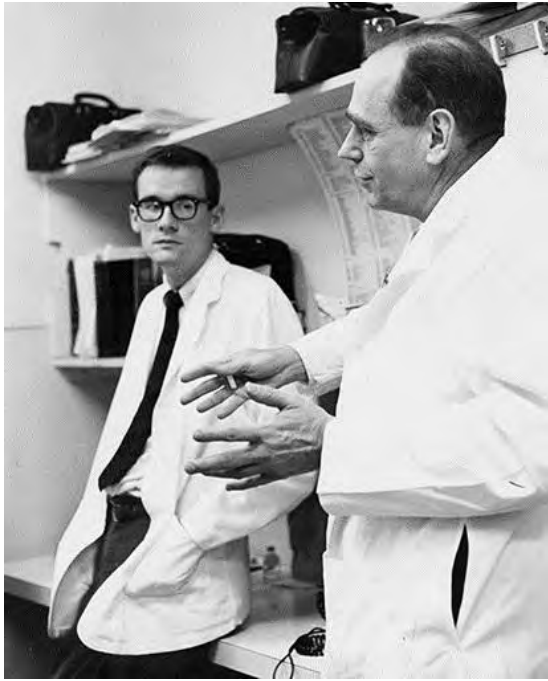
the national certification board
for the PA profession

What PAs Can Do



American Academy of PAs

<https://www.youtube.com/channel/UCa5dD1MXXJIIQh8PJZDiYbA>



History of profession

In mid-1960s, physicians and educators recognized that there was a shortage of primary care providers, much like we have today



- Dr. Eugene A. Stead, Jr., started the first PA program at Duke University
- Revived a training model that had been used for “fast-track training” of doctors during World War II and adapted it to train four former Navy hospital corpsmen.
- First PA class graduated from Duke University PA program in 1967

What is a Certified Physician Assistant (PA-C)?

Physician assistants are licensed health care professionals whose training is based on the medical model. PAs are part of a team and work under the supervision of a physician with varying degrees of independence in the way they practice.



A PA-C is a **nationally certified** and **state-licensed** medical providers

- practice medicine on healthcare teams with physicians and other providers
- Typically, the physician is not actually present when the PA sees the patients
- PA “scope of practice” is different in each state
- PAs are educated at the graduate level (master’s degree)
- In the state of California, a PA can open his/her clinic but they cannot own more than 49% of the practice, they must work with a physician

Where can I find Certified PAs?



Family Medicine



Emergency
Medicine



General Internal
Medicine



Dermatology



General
Surgery



Hospital
Medicine



Pediatrics



Orthopedics

No additional training or certification to change specialty since PAs are trained on a general model

The average PA changes specialties 2-3 time throughout their career

PAs can work in:

- Hospitals
- Group practices
- Health Care Centers
- Single-Specialty Physician Groups
- Solo-Physician Practice
- Community Health Centers
- Rural Clinics
- Outpatient Facilities
- Nursing home or Long-Term care

PAs improve health



Provide coordination and continuity of care



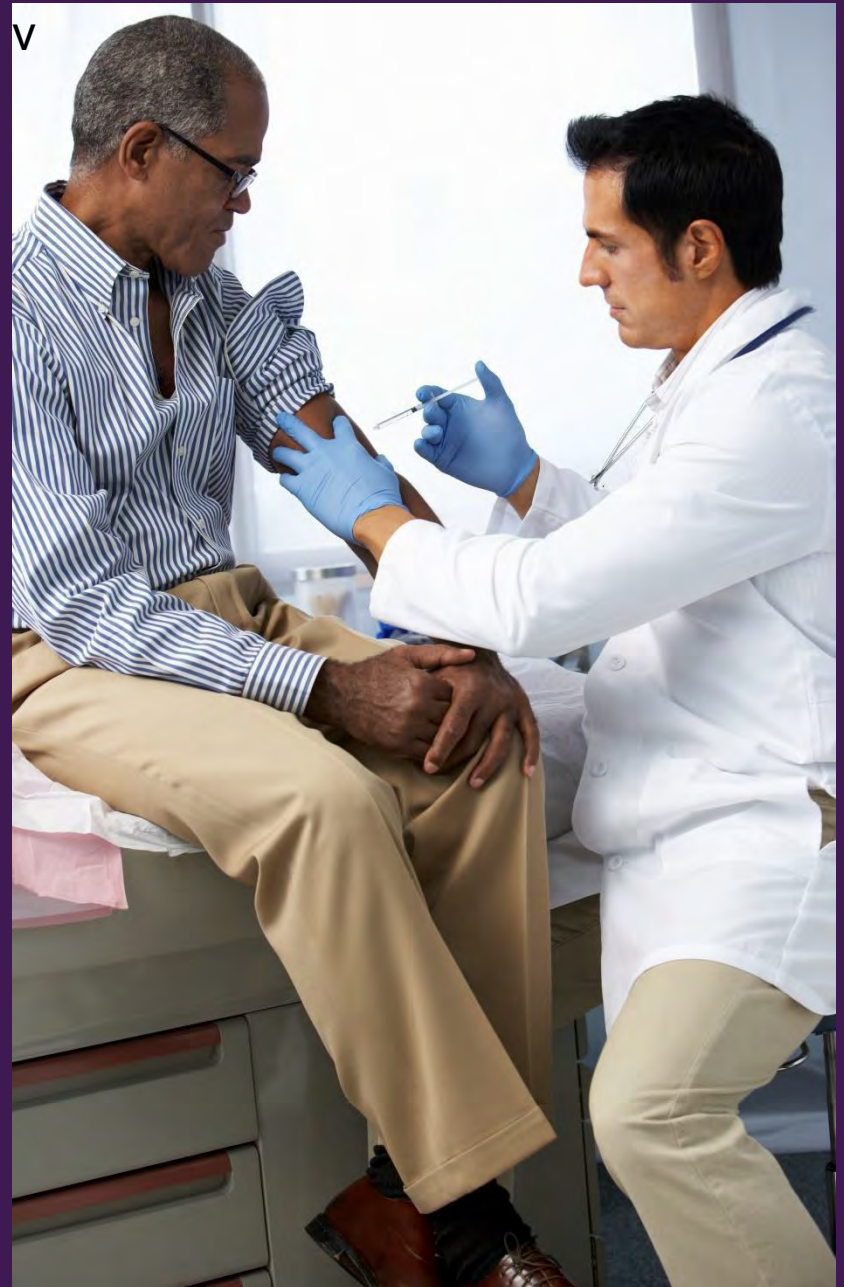
Implement preventive health and wellness programs



Manage the health of populations



Reduce hospital readmission and infection rates



PA's & NP's...similarities & differences

What is a PA?

PA's are medical professionals who diagnose illness, develop and manage treatment plans, prescribe medication, and often serve as a patient's principal healthcare provider.

How are PA's educated?

- Earn a master's degree and may obtain advanced degrees
- Curriculum is modeled on the medical school curriculum
- Complete 2,000 hours of clinical rotations in family medicine, internal medicine, general surgery, pediatrics, obstetrics and gynecology, emergency medicine, and psychiatry
- Trained as medical generalists, which provides them diagnostic and treatment skills in all areas of medicine and for all patients, regardless of age or gender

How are PA's regulated?

- Regulated by state medical boards or, in five states, by separate PA boards

What is an NP?

NPs are nurse clinicians who blend clinical expertise in diagnosing and treating health conditions with an emphasis on disease prevention and health management

How are NP's educated?

- Earn a master's degree and may obtain doctor of nursing practice degree
- Trained in the advanced practice of nursing
- Complete 1,000 hours supervised clinical practice
- Trained in chosen health population focus area: Family, Adult/Gerontology, Neonatal, Pediatrics, Women's Health, or Psychiatric/ Mental Health

How are NP's regulated?

- Regulated by state nursing boards (in five states the medical board has some role in NP regulation)

Facts about PA Education

In the 2019-2020 application cycle, there are 246 accredited PA programs throughout the United States. 16 accredited programs in California

(http://www.arc-pa.org/acc_programs/)



Intense, postgraduate level, accredited PA programs

- Nearly all award master's degree
- Average 27 months in length (bachelor's degree is required for acceptance)
- Full-time postgraduate study

Classroom instruction and 2,000 hours of clinical rotations

- Students complete coursework in applied medical sciences, behavioral sciences and clinical medicine
- Rotation includes emphasis on primary care in ambulatory clinics, physicians offices and acute/long-term care facilities



Ongoing Learning and Assessment

After graduation, pass a rigorous certifying exam to become a “PA-C”

- Exam covers a broad range of health conditions and diseases across all organ systems and across the patient life span

Maintain certification throughout PA career

- Must earn a substantial amount of continuing medical educator credit each year
- Complete and pass a national re-certifying exam every 10 years



Job Growth

The PA profession is one of the fastest growing in the country

- Rated #3 as Best 100 Jobs List by US News & World Report 2019
- #1 Best Healthcare Jobs List by US News & World Report 2019
- #7 Highest Paying Jobs in America by Forbes 2018
- The U.S. Bureau of Labor Statistics projects that the profession will increase **37%** from 2016 to 2026
- The demand for PAs is so high that three-quarters of PAs receive multiple job offers upon graduation

Competitive Salary for PAs

The median annual salary for full-time clinical PAs was \$106,000 in 2018, according to the 2019 AAPA Salary Report.

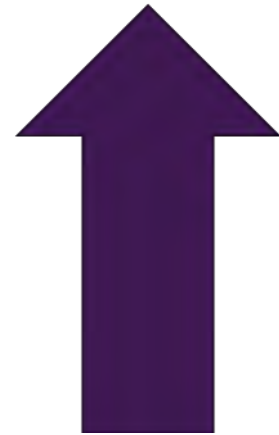


- California has the highest median PA salary (\$118,000), it falls toward the bottom of the list once cost-of-living adjustments are taken into account
- First-year PAs in California earn a median salary of (\$100,000) according to AAPA
- One of the factors that goes into determining what compensation to expect is what specialty you practice in and years of experience

PA schools are becoming more competitive

Completing the minimum requirements does not guarantee acceptance.

1. PA profession is growing rapidly
2. Attracts a wide array of individuals with different backgrounds and healthcare experiences
3. 2%-3% acceptance rate



**Not everyone who applies to
PA school is accepted the
first time**



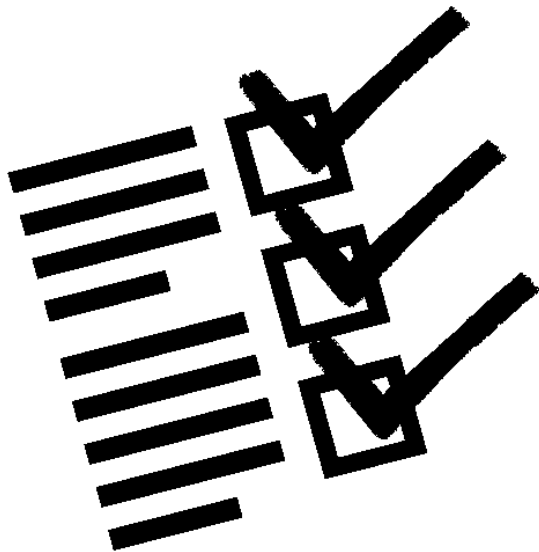
CASPA (Centralized Application Service)

CASPA is a full-service, web-based application system providing students with the ability to apply to multiple participating PA programs with a single application and facilitating a streamlined admissions process for programs. (PAEA)

- Application cycle opens in **April**
- Applications are submitted one year prior to the year a student plan to attend
- <https://caspa.liaisoncas.com/>

PA school requirements

The requirements will vary from each individual PA school



- Bachelor's degree (required for acceptance)
- Prerequisite Coursework
- Minimum GPA
- Patient Care Hours
- Type of Patient Care Experience
- Minimum of Letters of Recommendation
- GRE or TOEFL scores
- Volunteer Community Service Hours

The majority of PA programs have the following prerequisites

- Human Anatomy with lab
- Human Physiology with lab
- Biochemistry
- Organic Chemistry
- Statistics
- Microbiology with lab
- Intro to Biology with lab
- Psychology or Behavioral Science Course
- English with Composition
- Organic Chemistry
- Genetics
- Chemistry 1 & 2 with lab
- Cell Biology
- Immunology
- Medical Terminology
- Physics
- Pathophysiology
- Medical Spanish

What is considered healthcare experience?

Medical assistant
Emergency medical technician (EMT)
Paramedic
Medic or medical corpsman
Peace Corps volunteer
Lab assistant/phlebotomist
Registered nurse
Emergency room technician
Surgical tech
Certified nursing assistant (CNA)
COPE Health Scholars



What does it take to get into PA school?

Minimum

- 3.0 GPA
- 50 Percentile on the GRE
- 1,000 hours patient care experience
- Average grades in science courses
- Average letters of recommendation
- Do well on the Interview

To have a really good chance of getting accepted

- Average 3.4 or greater GPA
- 70 percentile or higher on the GRE (scores above 310)
- Average 4,000 hours patient care experience
- A's and B's in science courses
- Strong letters of recommendation
- Community Service and leadership experience
- Do extremely well on the Interview



What the PA admissions committee evaluate the candidate on during the interview:

Understand the PA Profession

- *Why PA is a good fit for them?*
- *The relationship of PA to other professions*

Clear and concise communication

- *Be able to articulate response and reasons for making the decision to become a PA*
- *Take a public speaking course or join Toastmasters*

Teamwork skills

- *Be able to demonstrate respect/support for opinions and feelings of others*

Critical thinking skills

- *How they would critically think and prioritize in a given situation?*



Common mistakes individuals make when applying:

Applying to CASPA at the very last minute

Not meeting the requirements for the Program to which they are applying

Not applying to enough programs

Not understanding CASPA application status and Program deadlines

Misdirected Personal Statement

Advising your Pre-PA students

1

Start on the application early in the cycle

2

Do well in the “Big 5” sciences:

- Anatomy, Physiology, Biology, Microbiology, Chemistry

3

Gain patient care experience in healthcare fields of medicine, nursing or allied health

4

Maintain GPA

5

Take additional coursework to improve GPA

Helpful links

- PA Focus: pafocus.org
- Central Application Service for Physician Assistants: portal.caspaonline.org
- American Academy of PAs: aapa.org
- California Academy of PAs: capanet.org
- Physician Assistant Education Association: paeaonline.org
- National Commission on Certification of Physician Assistants: nccpa.net

Questions?

Thank You!

THE PROFESSION OF SPEECH-LANGUAGE PATHOLOGY

LEI SUN PH.D., CCC-SLP
CHAIR OF SLP DEPARTMENT AT CSULB

1

AREAS WE WORK ON

(ASHA)

- Prevent, assess, diagnose, and treat speech, language, social communication, cognitive-communication, and swallowing disorders in children and adults.
- Speech disorders
 - difficulty producing speech sounds correctly or fluently or has problems with his or her voice or resonance.
- Language disorders
 - trouble understanding others (receptive language), or sharing thoughts, ideas, and feelings (expressive language). Language disorders may be spoken or written.

2

AREAS WE WORK ON

(ASHA)

- Social communication disorders
 - trouble with the social use of verbal and nonverbal communication. e.g., individuals with autism spectrum disorder, traumatic brain injury.
- Cognitive-communication disorders
 - problems organizing thoughts, paying attention, remembering, planning, and/or problem-solving. e.g., stroke, traumatic brain injury, dementia.

3

AREAS WE WORK ON

(ASHA)

- Swallowing disorders
 - feeding and swallowing difficulties, which may follow an illness, surgery, stroke, or injury.
- Provide aural rehabilitation for individuals who are deaf or hard of hearing.
- Provide augmentative and alternative communication (AAC) systems for individuals with severe expressive and/or language comprehension disorders, such as autism spectrum disorder or progressive neurological disorders.

4

WHAT DO WE DO?

(ASHA)

SLPs work with the full range of human communication and swallowing disorders in individuals of all ages. SLPs:

- **Evaluate** and diagnose speech, language, communication, and swallowing disorders.
- **Treat** speech, language, communication, and swallowing disorders.
- **Provide** training and education to family/caregivers and other professionals.
- **Work collaboratively** with professionals from many other disciplines.
- include teachers, physicians, audiologists, psychologists, social workers, physical and occupational therapists, and rehabilitation counselors

5

EMPLOYMENT SETTINGS

(ASHA)

Part-time, full-time, and PRN

- Private practices
- Physicians' offices
- Hospitals
- Schools
- Colleges and universities
- Rehabilitation centers
- Long-term and residential health care facilities

6

SALARY INFORMATION

(ASHA)

- According to the [2015 ASHA Health Care Survey](#), annual salaries ranged from \$70,000 to \$93,000 for SLPs in health care settings. Those in administration may earn more than \$90,000.
 - The salaries for those who are paid an hourly wage range from \$40 to \$76.
- According to the [2014 ASHA Schools Survey](#), salaries for those who worked an academic year were \$60,000 to \$72,000.
 - The median hourly wage was \$53.76, and the median hourly wage for contract employees was \$55.00.

7

FUTURE OUTLOOK

(ASHA)

Speech-language pathology are expected to grow by 18 percent from 2016 to 2026, faster than the average for all occupations.

- **Older Populations:** The expanding population in older age groups is prone to medical conditions that result in speech, language, and swallowing problems.
- **Retirees:** An expected increase in retirements
- **Increased Survival Rates:** Medical advances are improving the survival rate of premature infants and trauma and stroke victims, who then need assessment and possible treatment.

8

FUTURE OUTLOOK (ASHA)

- **Early Identification and Diagnosis:** Greater awareness of the importance of early identification and diagnosis of speech, language, and swallowing disorders in young children.
- **Increased School Enrollments:** Employment in educational services will increase along with growth in elementary and secondary school enrollments, including the enrollment of special education students. Federal law guarantees special education and related services to all eligible children with disabilities.
- **Need for Contract Services:** The number of speech-language pathologists in private practice will rise due to the increasing use of contract services by hospitals, schools, and nursing care facilities.
- **Bilingualism:** Many opportunities exist for those with the ability to speak a second language.

9

EDUCATION REQUIREMENTS (ASHA)

- Applicants for the **Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP)** must
 - earn a graduate degree
 - successfully complete the required clinical experiences and
 - pass a national examination.
- Individuals must complete graduate course work and a clinical practicum at a college or university whose program is **accredited** by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA). This assures graduates that their academic and clinical experience meets nationally established standards.

10



11



State of California
Commission on Teacher Credentialing
1900 Capitol Avenue
Sacramento, CA 95811-4213
Email: credentials@ctc.ca.gov
Website: www.ctc.ca.gov

SPEECH-LANGUAGE PATHOLOGY SERVICES CREDENTIAL

12

SPEECH-LANGUAGE PATHOLOGY AT CSULB



- <http://web.csulb.edu/colleges/chhs/departments/speech-languagepathology/>

13

ASHA BASIC SCIENCE REQUIREMENTS

ASHA

The applicant must have demonstrated knowledge of **statistics** as well as the **biological**, **physical**, and **social/behavioral sciences**.

Acceptable courses

- **Biological sciences** should emphasize a content area related to human or animal sciences (e.g., biology, human anatomy and physiology, neuroanatomy and neurophysiology, human genetics, veterinary science).
- Chemistry and physics are important for the foundational understanding of the profession of speech-language pathology. Must be in **physics or chemistry** that provides foundational knowledge in physics or chemistry.
- **Social/behavioral sciences** should include psychology, sociology, anthropology, or public health.
- **Statistics** must be a stand-alone course. Coursework in research methodology in the absence of basic statistics cannot be used to fulfill this requirement.

14



Dental Hygiene

Diane Melrose, RDH, MA

Director of Dental Hygiene

Herman Ostrow School of Dentistry of USC

mmelrose@usc.edu



U.S News 2019



Dental Hygienists Ranked

#2 in Best Healthcare Support Jobs

#30 in 100 Best Jobs

Fitness Mentors: Great work-life balance

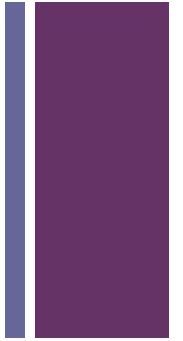
“Best Jobs for working moms”



What is a Dental Hygienist?
What do they do?

+

Dental Hygienists



**Primary Providers of
Oral Health Care Services**



+

Dental Hygiene Services

Prevention Specialists

Prevention of Dental Disease





Dental Hygienists do More than clean teeth!



Patient Education



Assessment/D.H. Diagnosis



Therapeutic Treatment



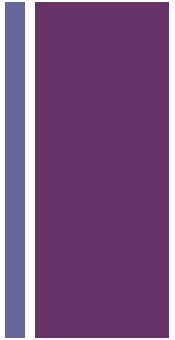
Dental Team Member



Public Health Advocacy



Roles of the Dental Hygienist



Clinician
Corporate

Educator
Researcher
Administrator

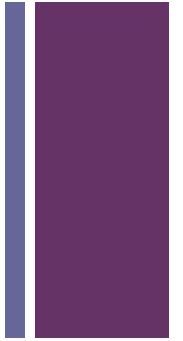
Public Health
Entrepreneur



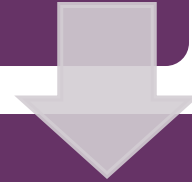
+ How do you become a
Dental Hygienist?



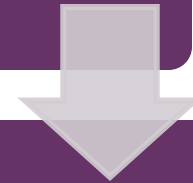
Steps to becoming a Dental Hygienist



Graduate from High
School



1-2 years of College prior
to entering a program



2-2 1/2 years in the dental
hygiene program



Steps to becoming a licensed Registered Dental Hygienist



Graduate from an accredited dental hygiene program



Pass a **written** National Board Examination



Pass a Regional or State clinical Examination



Pass a written Law and Ethics Examination

+ Dental Hygiene Board of California





+ What degree does a Dental Hygienist receive?

+

Dental Hygiene Degrees

Associate 's



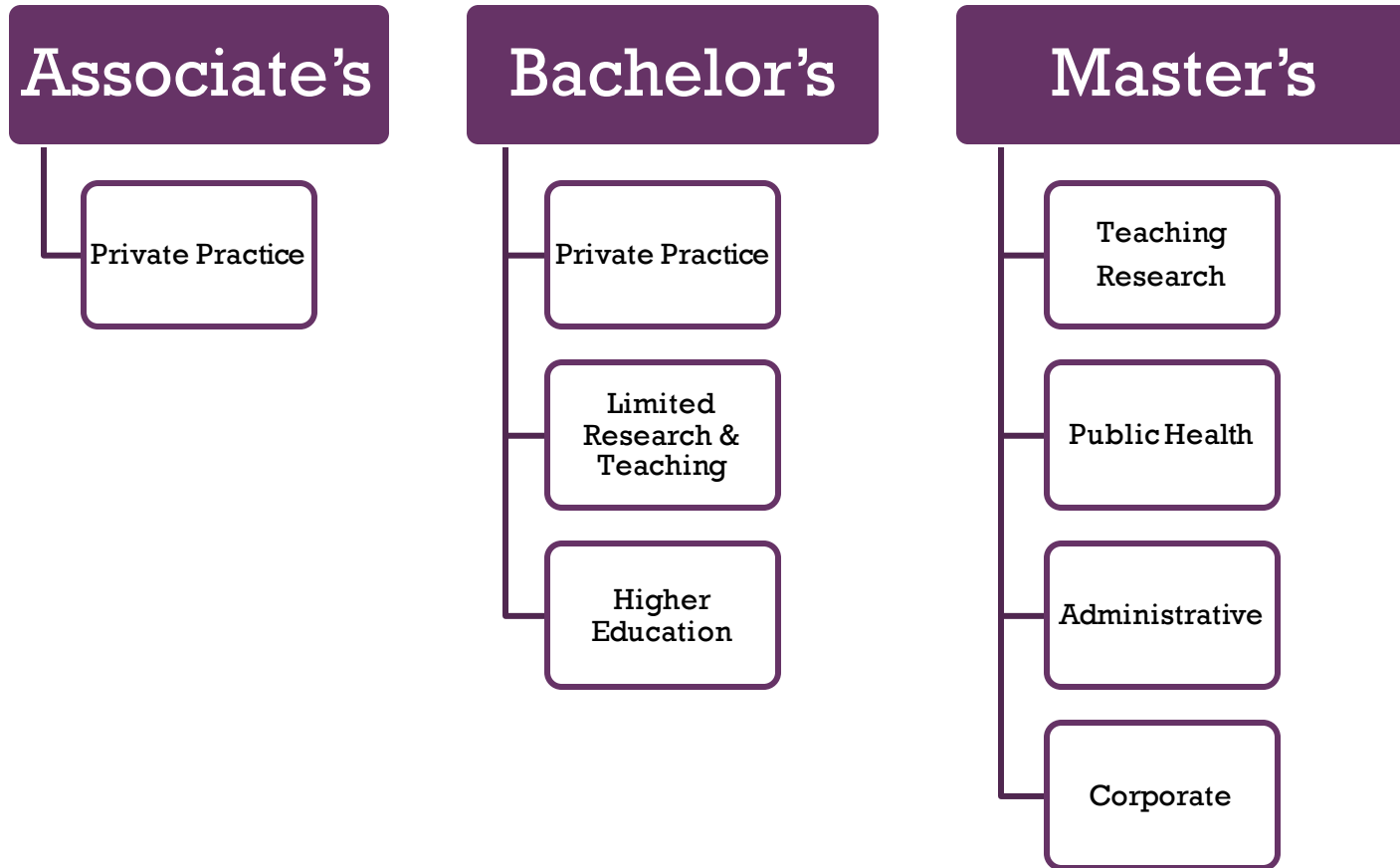
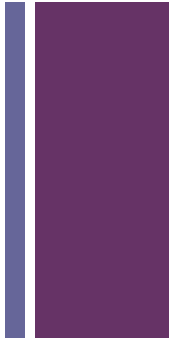
Bachelor 's



Master's



Opportunities for D.H. Degrees





RDHAP

Registered Dental Hygienist Alternative Practice

Requirements

- RDH BS, 2,000 clinical practice
- 150 hrs. approved educational program
- Written exam

Programs in CA

- West Los Angeles, UOP

Number of RDHAPs

- 751



+ What are the Admission Requirements?



Dental Hygiene Admission Requirements



Prerequisites
English Composition
General Anatomy & Lab
General Biology & Lab
General Psychology
Sociology
Speech
Nutrition
Physiology
Chemistry

Additional Requirements
Competitive GPA
Letters of Recommendation
Volunteer Work
Work Experience
Shadowing in Dental Hygienist
Letter of Purpose



What is the Curriculum?

Competency Based

Academic, Laboratories, Clinical, Public
Health Rotations



Curriculum Academic



1st Year

Clinical Dental Hygiene

Preventive Dentistry

Oral Biochemistry/Histology

Oral Radiology

Head & Neck Anatomy

Dental Morphology

Infection Control

Pain & Anxiety Control

Oral Pathology

2nd Year

Clinical Dental Hygiene

Periodontology

Community Dental Health

Pharmacology

Dentistry for Children

Emergency Medicine

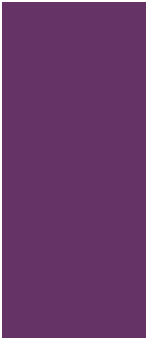
Geriatrics & Special Patients

Communication Skills/ Ethics

Research Methods



Clinical Skills



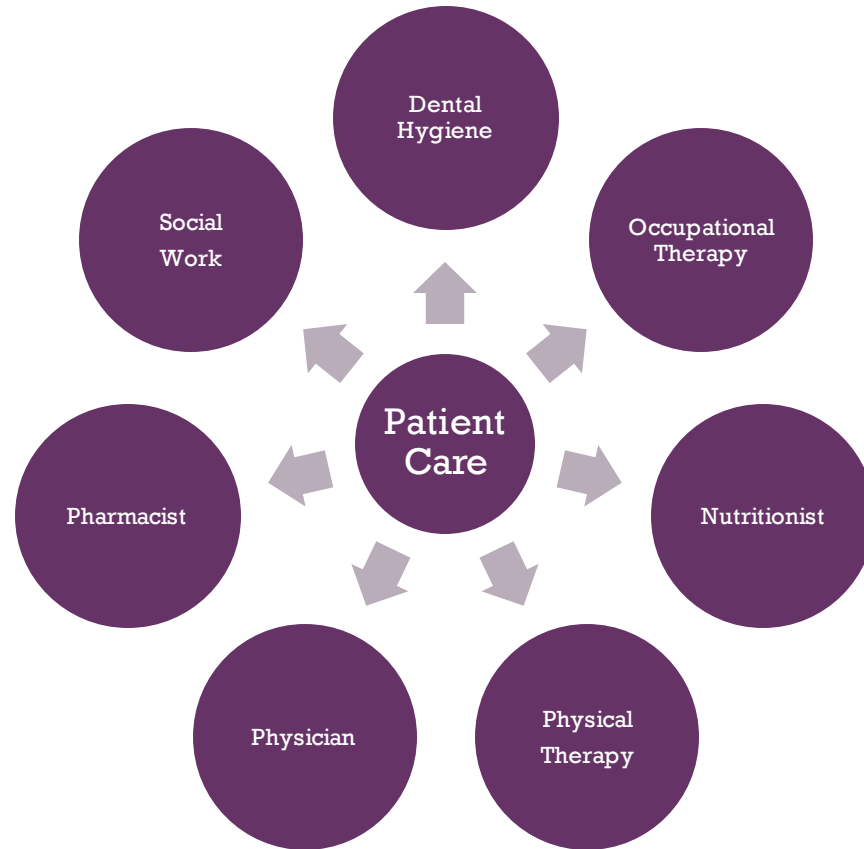
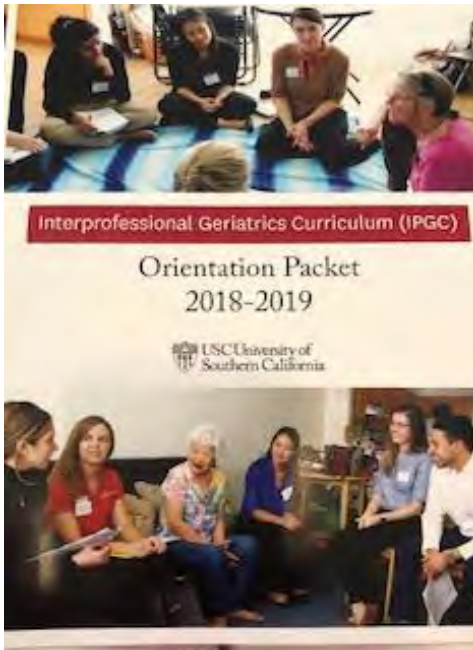
Procedures
Medical Assessment
Extra Oral/ Intra Oral Exam
Exploring/ Probing
Scaling/ Root Planing
Local Anesthesia
Nitrous Oxide
Patient Education
Nutritional Counseling
Placement of Sealants

Types of Patients
Infants
Children
Adolescents
Pregnant mothers
Adults
Geriatric
Special Needs
Medically compromised
Individuals with Addictions




Interdisciplinary Approach

Many Disciplines working together





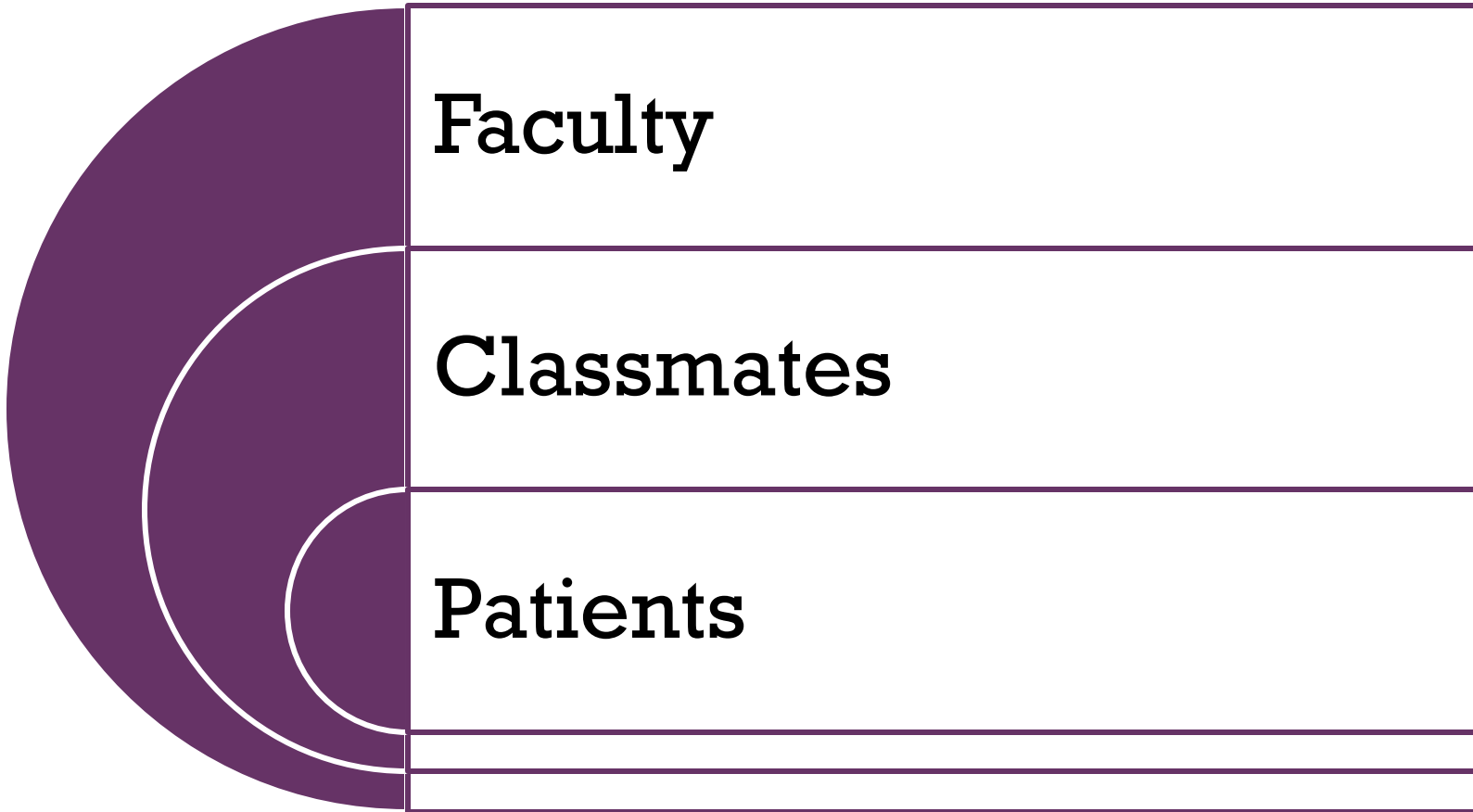
Keys fo being Successful in the Educational Programs



Positive Attitude	<ul style="list-style-type: none">• Motivated• Caring• Disciplined
Organized	<ul style="list-style-type: none">• Focused• Attentive• Responsible
Critical Thinker	<ul style="list-style-type: none">• Self Starter• Accept Feedback• Nonjudgmental



Keys to being Successful Work With People





+ How many Dental Hygiene programs are there?



Dental Hygiene in California

22,240 practicing RDHs

27 programs in CA

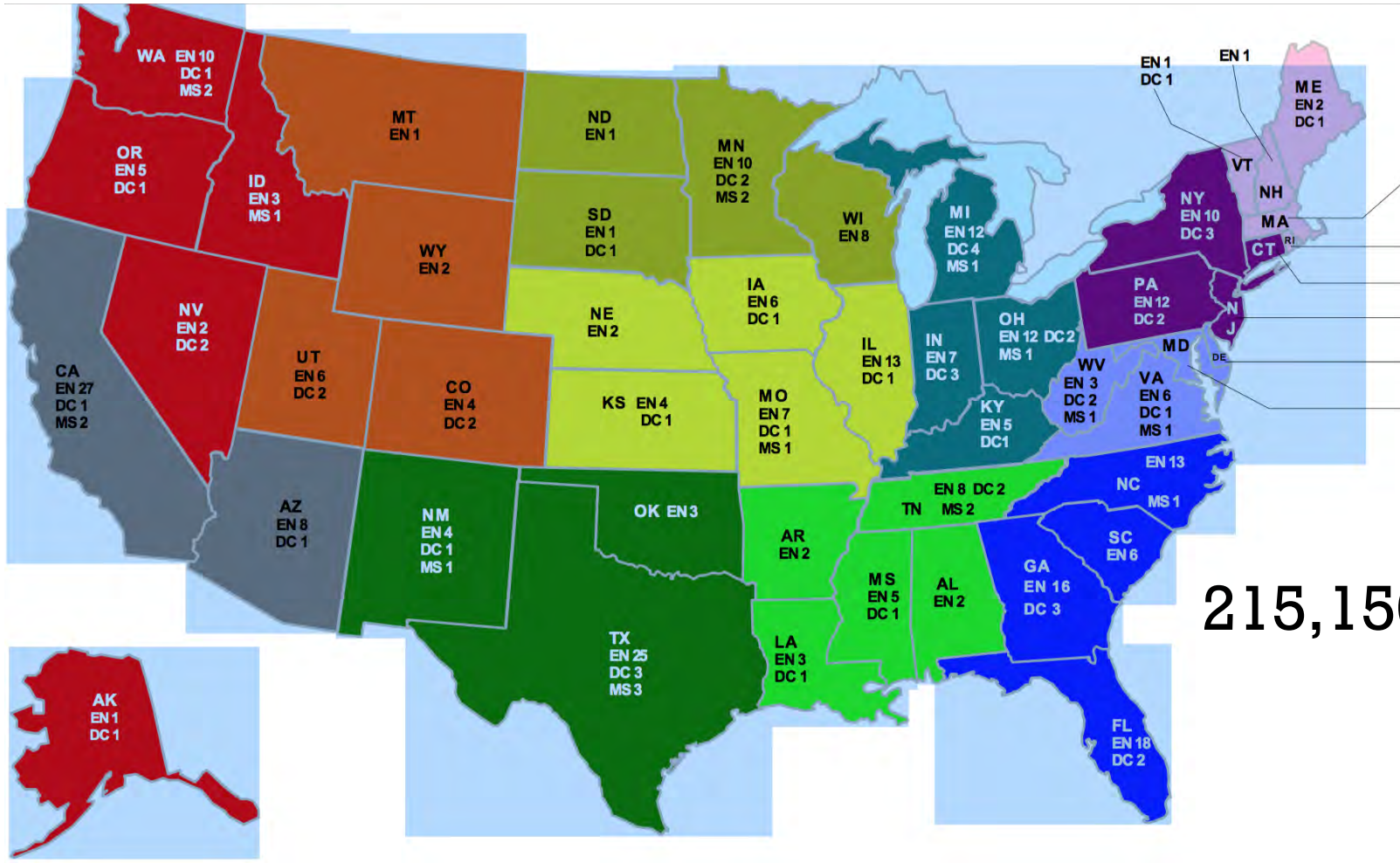
6 B.S. Programs

- USC
- UOP, West Coast, Loma Linda
- West L.A., Foothill




Dental Hygiene Programs in the U.S.

328 (70 B.S.) * 21 M.S.



215,150 RDH




+ Are Dental Hygiene
programs Accredited?

YES



CODA

Commission on Dental Accreditation

- 
- **Institutional Effectiveness**
 - **Educational Program**

- **Administration, Faculty, Staff**
- **Educational Support Services**

- **Health and Safety Provisions**
- **Patient Care Services**

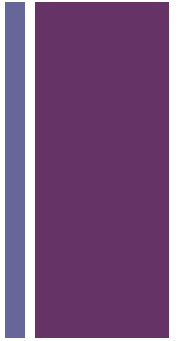


+

Employment



Places of Employment



- 
- Private Practice
 - Public Health Clinics

- 
- Dental Hygiene Programs
 - Medical Offices

- 
- Hospitals
 - Professional Companies



Dental Hygiene Profession California

Average median salary in 2017 \$97,527

Average median Hourly wage \$46.89

Employment projected to grow
20 Percent from 2016 to 2026



Dental Hygiene Profession Clinical Practice



Work 3 to 4 days per week

Work 8 hours per day

Work in more than one office

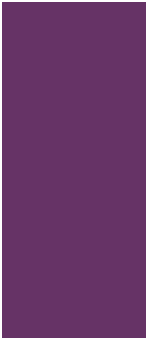



Dental Hygiene

Herman Ostrow School of Dentistry of
University of Southern California



USC Dental Hygiene 91 Years

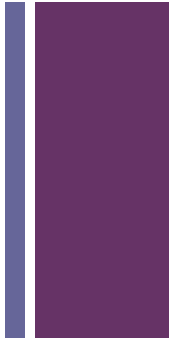




+ Who will be a successful
Dental Hygienist?



Traits of a Successful Dental Hygienists



Strong Communication Skills

People Oriented

Compassionate/ Calm Demeanor

Good Critical Thinking Skills

Good Manual Dexterity



+

Thank You!

Be the Reason Someone Smiles Today!



Marshall B.
KETCHUM UNIVERSITY
College of Pharmacy

Path to a Pharmacy Career

Christopher Bell, MBA, MEd.
Assistant Dean of Student Services



Is Pharmacy Right for You?

— A Good Pharmacist Has —

Characteristics:

A Good Memory

Attention to Detail

Scientific Aptitude

Interest in Continual Learning

Empathy

Altruism

Skills:

Communication

Team Work

Leadership

Analytical Thinking

Counseling

Problem Solving





Community Pharmacy

Most Accessible
members of the health
care team

Prepare and dispense
prescriptions

Ensure medicines and
doses are correct

Safeguard against drug
interactions

Counsel patients
regarding safe and
appropriate use of
medications



Hospital Pharmacist

Participate in patient rounds with other healthcare professionals

Make medication decisions

Review patient charts

Monitor medication therapy

Develop pharmacy procedures

Counsel patients regarding medications



Ambulatory Care Pharmacist

Counsel patients in a
one-on-one setting

See patients in between
visits with physicians to
track progress of
medication outcomes

Might specialize

Diabetes

Pain Management

Asthma

HIV

Etc.



Compounding Pharmacist

Customize or personalize medications for patients

Change medications to alter strength

Remove non-essential ingredients to avoid allergic reactions (i.e. Gluten or dye)

Change from a pill to a liquid



Nuclear Pharmacist

Prepare and administer radioactive therapies for patients

Radiation Treatments for Cancer Patients

Imaging to track progress of medication therapies

Work more with other providers than they do patients



Pharmacy Disease Specialties

Cardiology

Infectious Disease

Oncology

Psychiatric

Emergency Medicine

Organ Transplant



Various Specialized Patient Populations:

Pediatric

Geriatric

Veterinary



Industry Pharmacist

Research

Clinical Affairs

Bioprocessing
(production)

Regulatory Affairs

Operations

Law

Sales and Marketing



Marshall B.
KETCHUM UNIVERSITY
College of Pharmacy

Pharmacy Education

How to become a Pharmacist

First Steps

Interview pharmacists from various parts of the profession

Shadow in a pharmacy setting

Earn a Pharmacy Technician license

Work in various settings as a “Pharm Tech”

Take necessary required courses



Course Requirements

Course Name	Minimum Semester Units	Minimum Quarter Units	Additional Notes
General Biology	6	9	One year sequence. Labs required
General Chemistry	6	9	One year sequence. Labs required
Organic Chemistry	6	9	One year sequence. Labs required
Microbiology, General or Medical	3	4	Labs required
Human Anatomy	3	4	Labs required. A&P I&II also accepted.
Human Physiology	3	4	Labs required. A&P I&II also accepted.
Calculus	3	4	For science majors preferred
General Psychology	3	4	
Economics	3	4	Micro or Macro
English*	6	8	
Behavioral Science course*	3	4	
Communications Course	3	4	Preferred: Public Speaking, Speech Communication, Interpersonal Communication

Competitive Factors

Academic Performance

Academic Rigor

Pharmacy College Admissions Test (PCAT)

Not required at all schools

Leadership

Community Service

Interview

Writing Sample

Bachelor's Degree

Not always required, but almost always preferred

Doctor of Pharmacy (PharmD)

3 or 4 years

Public or Private

Didactic and Experiential

Work as an intern

Pass Naplex

Pass State Licensing Exams (Law)

CPJE in California

Career Entrance

Residency is optional

PGY1 – General

PGY2 – Specialty

VERY Competitive

Apply for direct hire

Full-time staff pharmacist

Per diem pharmacist

Pharmacy Career Landscape

Job market has changed in last 10 years

Saturation

More specialization needed

Opportunities are plentiful in rural areas

Spanish speaking is a premium

Starting Salary approximately \$120,000+ per year

SB 493

declares pharmacists to be health care providers and expands their scope of practice. ... For example, when ordering self-administered hormonal contraceptives for patients, pharmacists will ask patients to complete a questionnaire, undergo a blood pressure test, and then discuss dosing with them



Marshall B.
KETCHUM UNIVERSITY
College of Pharmacy

Thank you!
Questions



OPTOMETRY

A HEALTHCARE PROFESSION WITH VISION

PRESENTATION CREATED BY



Western
University
OF HEALTH SCIENCES

College of Optometry



CHALLENGE!

- Name three hobbies that you can enjoy without clear vision?
- Name three careers you can perform at the highest level without vision?
- Not many...you need me!



WHAT IS THE DIFFERENCE BETWEEN OPTOMETRIST & OPHTHALMOLOGIST?

Optometrists


- Four years of optometry school
- One year residency optional
- Doctor of Optometry (OD)
- Primary Care Provider
- Examine, diagnose, treat & manage ocular disorders, diseases, injuries & systemic diseases that manifest in the eye
- Performs minor surgical and some laser procedures

Ophthalmologists

- Four years of medical school
- Three year residency plus one year of internship
- Doctor of Medicine (MD) or Doctor of Osteopathic Medicine (DO)
- Specialist
- Performs surgical procedures

Nearly **85%** of all eye health & vision care is provided by optometrists in the US

State of the Optometric Profession - 2013

A close-up, high-resolution photograph of a human eye, showing the iris, pupil, and eyelashes. The image is in a reddish-brown color palette.

WHERE DO YOU FIND OPTOMETRISTS?



- Rural small practices
- Suburban group practices
- Metropolitan hospitals and clinics
- US Military
- Retail Offices
- Everywhere!

WHAT ARE THE PERSONAL BENEFITS OF BEING AN OPTOMETRIST?



- Improving Patients' Lives
- Work/Life Balance
- Little Emergency On-Call Duty
- Opportunities to Own Practice
- Financial Security

HOW DOES THE FUTURE OF OPTOMETRY LOOK?



"Optometrist" Makes CNNMoney's
100 Best Jobs in America at #12



100 Best Jobs in the US:
#7 Optometry, 2018

2 million Americans have glaucoma

4 million Americans (>40 yrs.) have diabetic eye complications

6.5 million Americans (>40 years) have macular degeneration

38 million Americans experience blindness, low vision or an age-related eye disease in their lifetime

WHAT DOES AN OPTOMETRIST DO?

Primary
Care

Pediatrics

Brain Injury
Vision
Rehabilitation

Ocular
Disease

Geriatrics

Low
Vision

Contact
Lens

Community
Health

Vision
Therapy





PRIMARY CARE

- Refractive Care
 - Eye Glasses
 - Contact Lenses
- Eye Diseases
- Eye Infections
- Eye Injuries
- High Blood Pressure
- Diabetes



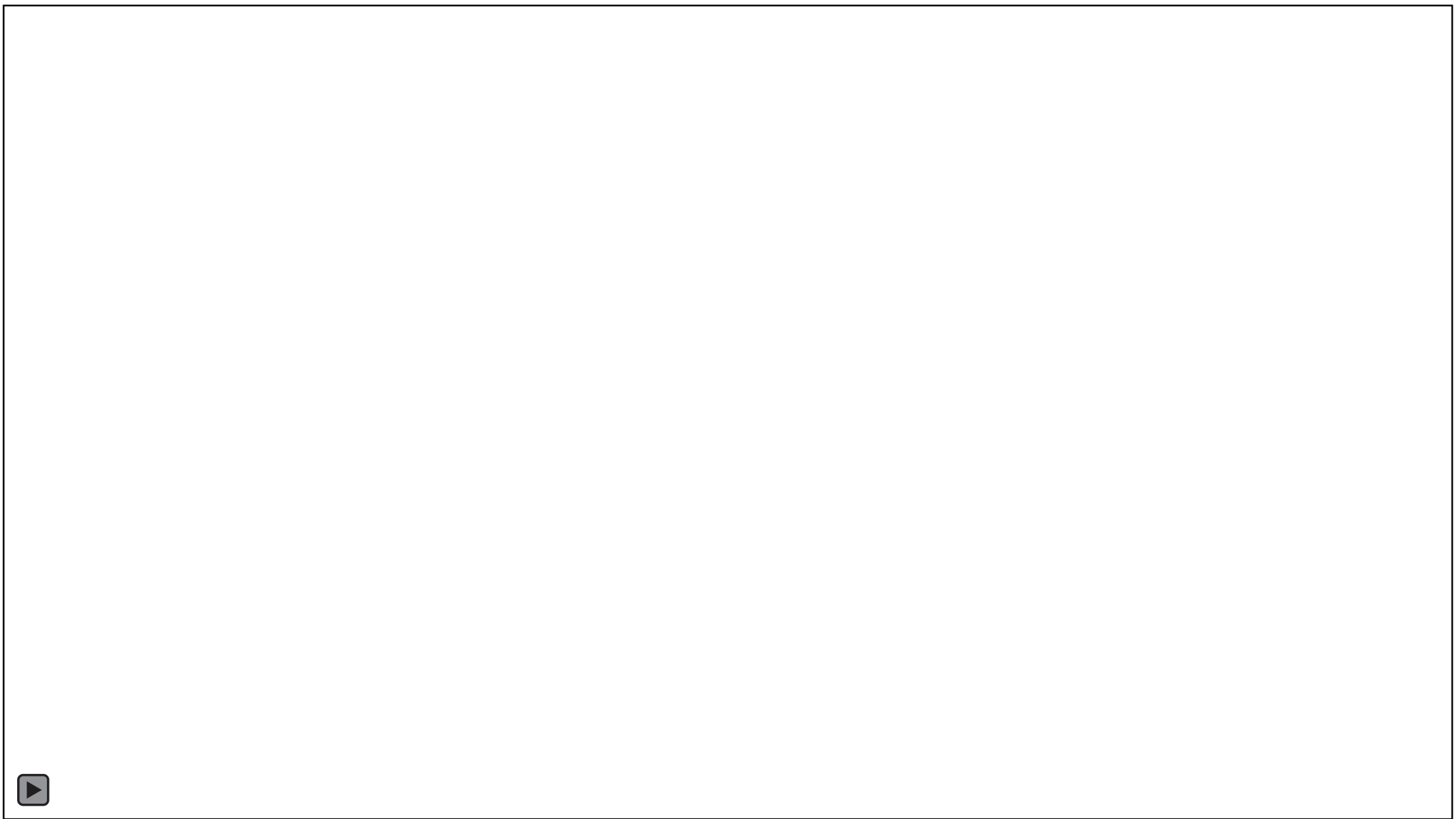
OCULAR DISEASE

- Diseases
 - Diabetes/Hypertension
 - Cancer/Tumor
 - Increased Intracranial Pressure
- Ocular & Systemic Disease
- Technology



CONTACT LENSES

- Types of Contact Lenses
 - Soft Lenses
 - Rigid Lenses
 - Scleral Lenses
 - Multifocal Lenses
- Eye Infections
- Eye Injuries
- High Blood Pressure
- Diabetes





PEDIATRIC OPTOMETRY

- Vision is crucial to development!
 - Basic Functioning
 - Learning & School Performance
 - Sports





GERIATRIC OPTOMETRY

- More Susceptible to Ocular Disease
 - Systemic conditions
 - Normal anatomic changes
- Low Vision Devices



COMMUNITY HEALTH

- Connection to public health
- Multidisciplinary setting
- Broad range of environments
 - Hospitals
 - Community outreach services
 - Vision Screenings

Prerequisite Courses

Prerequisite	Semester Units	Quarter Units
General Biology w/ Lab	8	12
Organic Chemistry w/ Lab	3	4
General Physics w/ Lab	8	12
General Microbiology or Bacteriology w/ Lab	3	4
Human Anatomy*	3	4
Human Physiology*	3	4
English	6	8
Statistics	3	4
Biochemistry	3	4
General or Inorganic Chemistry	8	12
Calculus	3	4
Psychology	3	4

*If Anatomy and Physiology are combined, we will accept a minimum of 4 semester units

HOW TO APPLY



STEP 01

Complete all prerequisite courses.



STEP 02

Gather letters of recommendation and get exposure to the profession.



STEP 03

Submit your transcripts, OAT (or other score), recommendations, & personal statement to [OptomCAS](#).



STEP 04

Come to an on-campus interview



STEP 05

Matriculate as a student!

The Ideal Candidate

Life Experiences

Personal Statement

Academics



We receive aprx. 12 applications for each seat

Exposure to
the Profession

Recommendations

Community
Service

Optometry Shadowing Database

**Need help finding an
optometrist to shadow?**



Contact Ichristiani@westernu.edu
or recruitment@westernu.edu to be
matched with an optometrist in
your area!



ADDITIONAL RESOURCES

Association of Schools and Colleges of Optometry optometriceducation.org

American Optometric Association aoa.org

American Academy of Optometry aaopt.org

Think About Your Eyes thinkaboutyoureyes.com

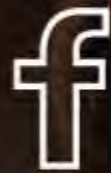
What's new @WesternU?

Keep up with everything WesternU Optometry



Instagram

@WesternU_Optometry



Facebook

@WesternUCO



Website

prospective.westernu.edu



YouTube

WesternUofHSciences

THANK YOU!

Questions?

