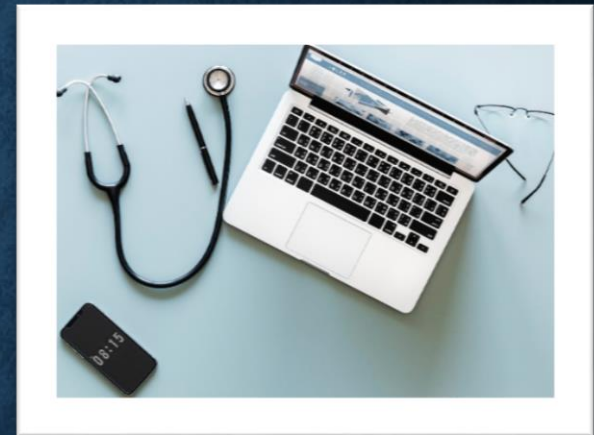


PREPARING FOR AND GAINING ADMISSION TO:

Medical School

and

Pharmacy School



COMPETENCIES REQUIRED FOR MEDICAL AND PHARMACY SCHOOLS:

Interpersonal:

- Ethical Responsibility to Self and Others
- Reliability and dependability
- Resilience and Adaptability
- Capacity for Improvement

Thinking and Reasoning:

- Critical Thinking
- Quantitative Reasoning
- Scientific Inquiry
- Written Communication

Science:

- Living Systems
- Human Behavior

WHAT TO MAJOR IN AFTER TRANSFER?



Any major is acceptable



Chem major not required for pharmacy



Pharmacy schools require some extra lower & upper division Biology courses.



Some majors have higher acceptance rates because fewer of those majors apply (Philosophy, Anthropology, History, Literature)



Double major not necessary



Major in what you are strong in and enjoy



If non-science major: consider doing research in the sciences, and minor in biology, chemistry, or other science



GPA's: med school mean = 3.7+; pharmacy mean = 3.4-3.6

COURSES YOU NEED FOR MEDICAL SCHOOL:

- English 120 and 124
- Chem 120, 141, 142, 231, 232
- Bio 230, 240
- Physics 130, 131 or 140, 240, 241 (dep. on major)
- Math 180, 280, 160
- More math for certain majors (chem, physics, math, engin.)
- Psych 120, Soc 120 (content on the MCAT)
- Cross-cultural Studies 114, 115, 125 or 144
- (Cross Cultural Awareness on the MCAT)
- Upper div. Biochemistry (after you transfer)



THE NEW MCAT SECTIONS:



Biological Sciences (biology, org chem, biochemistry)



Physical Sciences (gen chem, gen physics, biochemistry)



Ethical and Critical Reasoning (English, ethics)



Psychological, Sociological, Cultural and Biological Foundations of Human Behavior



You can repeat the MCAT; Med Schools don't average scores



MCAT Prep courses: Kaplan, Princeton Review (\$3,000; some scholarships)



You can take MCAT 3 times; 4th attempt needs letter from counselor



Take MCAT before you apply to medical schools

HOW LONG IS MEDICAL SCHOOL?

Four years total

1st two years: the “healthy body”, science and labs, intro to clinical interviewing, case studies

- Anatomy, genetics, biochemistry, hematology, immunology, endocrinology, reprod systems, neuro, cardio, etc.

2nd two years: the “sick body”, hospital dept. rotations

- Peds, ER, Internal, OB/GYN, Gen. Surgery, Psychiatry
- Ophthalmology, Neurology, Cardiology, Orthopedics, etc.
- “USMLE” after 1st two years; after 2nd two years
- --United States Medical License Examination--

MEDICAL RESIDENCIES

- 3 to 7 years long, after med school, in hospitals
- Paid \$55-65,000/year (1st year residents)
- Loans deferred while in residency
- USMLE exam (after 1st year residency)
- Specialty board exam after residency
- Hospital privileges require board certification
- Fellowships – sub-specialty training, 2+ years (paid)
- CME units periodically to renew medical license
- Military & Public Health scholarships:
 - Free tuition, officer salary (O-2), O-4 after graduate

CALIFORNIA MEDICAL SCHOOLS

Allopathic Schools (M.D.):

UCSF, UCLA, UCSD, UCI, UCD, UC Riverside

University of Southern California

Stanford University

Loma Linda University and 3 more private medical schools

Osteopathic Schools (D.O.):

Western University of Health Sciences -
Pomona

Touro University - Vallejo in the Bay Area

PHARMACY
SCHOOLS
REQUIRE:

English 120 and 124

Chem 120, 141, 142, 231, 232

Bio 230, 240

Physics 130, 131 or 140, 240, 241 (dep. on major)

Math 180, 280, 160 (& Math 281, 285 for some majors)

Psych 120, Econ 120 or 121, Comm 122

Some require: Bio 140, Comm 120, and microbiology, biochemistry, genetics, molecular biology, immunology, physiology, cultural studies, basic computer programming

PCAT EXAM MEASURES:



Verbal ability and reading comprehension



Quantitative ability



Gen. chemistry knowledge



Gen. biology knowledge



Organic chemistry knowledge



Writing skills on two essay prompts



Most California schools do not require the PCAT

HOW LONG IS PHARMACY SCHOOL?

- Four years
- Lots of Chemistry, Biochemistry, Pharmacology
- Human body systems
- Drug interactions
- Patient education courses
- Clinical pharmacy experience
- Elective areas:
 - Pain management, research, geriatric, peds, ICU

SOME PHARMACY SPECIALTIES/RESIDENCIES:

- Clinical pharmacy
- Pain management
- Geriatric pharmacy
- Veterinary pharmacy
- Psychiatric pharmacy
- Pediatric pharmacy
- Oncology pharmacy
- Critical care pharmacy
- Hospice pharmacy
- Compounding pharmacy



CALIFORNIA PHARMACY SCHOOLS

UC, San Francisco

UC, San Diego

University of Southern California

Touro University – Bay Area

Western University of Health Sciences -
Pomona

Loma Linda University

University of the Pacific - Stockton

California Northstate University – nr.
Sacramento

WHEN TO APPLY ??

1. Take and retake MCAT or PCAT before applying.

2. Apply to med or pharm application service in June

*send transcripts, scores, school list, essay, \$\$\$

3. Apply to individual med and pharm schools in summer

*send letters, more questions to answer, photo, \$\$

4. Interviews start in Sept and run through April at the school

5. School starts in early to mid August

If rejected: post-bac program, retake exam, get more experience, get better letters, or all of the above,

or

move to another state and apply from there, or

Do something very different for two years then reapply:

*Peace Corps, City Year, Volunteer abroad, Master's, etc.

CRITICAL THINGS TO REMEMBER:

Take a “W” instead of D or F in a course.

Med and Pharm schools average all grades

Use P/NP wisely, but not for required courses

Finish all major pre-reqs here before transfer

Med and Pharm schools look at a few GPA's:

- Overall gpa, science gpa, non-sci gpa, pre-req gpa

Establish relationships w/ professors and professionals:

- 3-5 letters of recommendation needed to apply

SOME RELATED COURSES TO TAKE AT UCSD:

- Phil 163 – Biomedical Ethics
- Urban Studies & Planning 143 – US Health Care System
- Anthropology 164 – Anthropology of Medicine
- USP 144 - Preventive Health Issues
- USP 145 - Aging Health Policy Issues
- USP 147 - Health Care for Underserved Populations
- Sociol 135 - Medical Sociology
- Psych 179 Drugs, Addiction and Mental Disorders
- Sociol 134E Making of Modern Medicine





Company that holds
recommendation
letters



Register early for
Interfolio. com



You will need 2
science profs'
letters



You will need 1+
letter from health
professionals



Work in research
lab and get a letter



Leadership
experience letters
shine



You choose which
letters to send to
schools



Get some profs'
letters from transfer
school

INTERFOLIO.COM

EXPERIENCE REQUIRED !!!

- Hospital ER, clinic, medical or ICU floors
- Hospital clinical pharmacist
- Pharmacy Technician course and job
- Phlebotomy course and job
- EMT course and job
- Scientific or other research at transfer school
- Community service with people
- Tutoring jobs, start a club, become a TA

“MEDICAL SCRIBE” JOB

Hospital ER’s hire and train you in:

Medical terminology, patient records, then you:

Follow ER physicians and type medical info

Track down patients’ test results

Your opportunity to:

- Observe patient/doctor interactions
- Ask questions after each case
- Get letter of recommendation
- Get paid approx. \$13/hour

*Volunteer in ER for 6 mos. to 1 year prior to applying for scribe job

MEDICINE AND PHARMACY SALARIES

Medical Primary Care: \$250-400,000/yr.

Medical Sub-Specialites: \$350-500,000/yr. +

Surgeons: \$500K-\$1 million/yr. (dep. on area)

Pharmacy: \$100,000-\$130,000+ in retail pharmacies

- Jobs in teaching, research, consulting, management,
- home health care, clinical pharmacy, insurance.

TO GET MORE INFO OR MAKE AN APPT.

Visit our website

- www.grossmont.edu/transfercenter

To make an appointment while campus is closed

- Email grossmont.transfer@gcccd.edu
- Include:
 - Your name
 - ID#
 - Phone Number
 - Preference for zoom or phone appointment (while campus is closed due to COVID-19)
 - Questions you would like addressed
- Or use our [Online Appointment Scheduling](#) system

To make an appointment when campus reopens

- Please visit the Transfer Center in Bldg 10-173
- Call 619-644-7215