

PRE-HEALTH PLAN FOR NON-SCIENCE MAJORS

Academic Considerations for Admission to Health Profession Training Programs

Different programs require different skill sets, and pre-requisite courses are designed to help you develop the skills you'll need. Each program is a little different from the others, and there are even schools within the same profession that want you to have different background preparation. Math is the best example – some medical schools require no math courses (although most applicants need some math background to take their science courses), and some may require up to two semesters of calculus and statistics. So, there's no easy way to know exactly what courses to take, but the following is a basic guideline for a few of the programs.

Requirement	CSULB Course	Med	Dental	Optometry	Pharmacy	Phys Asst	Phys Thrpy	Podiatry	Vet Med
Chem I w/lab	CHEM 111A	✓	✓	✓	✓	✓	✓	✓	✓
Chem II w/lab	CHEM 111B	✓	✓	✓	✓	✓	✓	✓	✓
Organic I w/lab	CHEM 220A & 223A	✓	✓	✓	✓	some		✓	✓
Organic II w/lab	CHEM 220B & 223B	✓	✓	✓	✓	some		✓	✓
Biology w/lab	BIOL 211	✓	✓	✓	✓	✓	✓	✓	✓
Biology w/lab	BIOL 212	✓	✓	✓	✓	✓	✓	✓	✓
Biology w/lab	BIOL 213	✓	✓	✓	✓	✓	✓	✓	✓
Physics I w/lab	PHYS 100A or 151	✓	✓	✓	✓	✓	✓	✓	✓
Physics II w/lab	PHYS 100B or 152	✓	✓	✓	✓	✓	✓	✓	✓
Calculus	MATH 119A or 122	some					few		some
Statistics	BIOL 260 or STAT 108	some	some				✓		some
Biochemistry	CHEM 441A or 448	some	few						many
Microbiology	BIOL 211 or 200		few	some	some	some	some		some
Anatomy & Physio. w/lab	A: BIOL 207 or 342 & 342L; Physio: BIOL 208		few	some	some	some	✓		some
English	ENGL 100, 102, 300	most	many	some	some	some		✓	some
Others		PSY/SOC for MCAT, Adv. Bio.	Advanced Biology	PSY., other humanities or soc. sci.	ECO, Public Speaking	PSY (intro & abnormal)	PSY, social sciences	Advanced Biology	varies widely

All requirements must be taken for a grade, not P/D/F. While this handout is representative of the general requirements, specific schools may have specific requirements. While these are the most common requirements for admission to a health professions training program, individual schools and professions may have additional requirements. For example, Texas schools require another full year of Biology courses. Many California schools will only accept AP on a case by case basis, and prefer that students not use AP to fulfill their prerequisites.

Unofficial Pre-Health Advising Plan

Consult with your major advisor

Name: _____ Campus ID#: _____ Major: _____ Career: _____ Date: _____

Fall _____

CHEM 111A (B1)

ENGL 100(A1), 102(A3), or COM 130(A2)

Major Course

Major Course

Winter _____

Spring _____

CHEM 111A (B1)

MATH 119A or STAT 108 (B2)

Major or Foundation Course

Major or Foundation Course

Summer _____

BIOL 211, 212, 213

Fall _____

CHEM 220A/232A

MATH 119A or STAT 108 (B2)

Major Course

Major Course

Winter _____

Spring _____

CHEM 220A/232A

PSY 100 (D2)

Major Course

Major Course

Summer _____

PHYS 100A/100B

Fall _____

CHEM 441A or 448

upper division ENGL (C1/Capstone)

Major Course

Major Course

Winter _____

Spring _____

BIOL 207 (if applicable)

BIOL 311 (if applicable)

Major Course

Major Course

Summer _____

SOC 100 (D2) (if applicable)

Fall _____

BIOL 370 (if applicable)

GE/Capstone Course

Major Course

Major Course

Winter _____

MCAT/GRE Pre Course

Spring _____

GE/Capstone Course

Major Course

Major Course

Summer _____

[Apply to Med/Grad School]

[GAP YEAR]

[GRADUATE!]