

**COMMON PRE-REQUISITE COURSES FOR PROFESSIONAL SCHOOL PROGRAMS**

**Medical (MD, DO or DPM)**

General Biology (with lab) – 3 quarters BIOL 200, 201, 202  
 General Chemistry (with lab) - 2 quarters CHEM 215 & 216  
 Organic Chemistry (with lab) – 3 quarters CHEM 221, 222, 223  
 Physics-General (with lab) – 3 quarters PHYS 121, 122, 123  
 Biochemistry – 1 quarter CHEM 436a  
 Math – 3 quarters Calculus and/or Stats  
 MATH 211, 212, 213

MCAT 3.6 GPA  
 Shadowing  
 Service Hours  
 AMCAS  
 June-December

**Physical Therapy (DPT)**

General Biology – 3 quarters BIOL 200, 201, 202  
 Anatomy & Physiology – 2 quarters BIOL 223 & 224  
 General Chemistry (with Lab) – 2 quarters CHEM 215 & 216  
 Physics-General – 3 quarters PHYS 121, 122, 123  
 Calculus and/or Statistics – 1 quarter MATH 192 and/or stats  
 Developmental Psychology PSYC 201

GRE 3.2 GPA  
 120-160 shadowing hours  
 Letter from a Physical Therapist  
 PTCAS  
 Late June-October

**Occupational Therapy (OT)**

Anatomy & Physiology (with lab) – 2 quarters BIOL 223 & 224  
 Statistics – 1 quarter MATH, PSYC, KINES  
 Developmental Psychology-1 quarter PSYC 201  
 Abnormal Psychology-1 quarter PSYC 390  
 Medical Terminology-not offered at CSUSB online at dm.u.edu for \$99.

GRE 3.0 GPA  
 Shadowing  
 OTCAS  
 Opens mid-July

**Dentistry (DDS)**

General Biology (with Lab) – 3 quarters BIOL 200, 201, 202  
 General Chemistry (with Lab) – 2 quarters CHEM 215 & 216  
 Organic Chemistry (with lab) – 3 quarters CHEM 221, 222, 223  
 Biochemistry – 1 quarter CHEM 436A  
 Psychology – 1 quarter PSYC 101  
 Physics-General (with lab) – 3 quarters PHYS 121, 122, 123

DAT 3.6 GPA  
 Shadowing  
 Service Hours  
 AADSAS  
 Opens June 1st

**Veterinary Medicine (DVM)**

Anatomy & Physiology (with lab) – 2 quarters BIOL 223 & 224  
 General Biology (with lab) – 3 quarters BIOL 200, 201, 202  
 General Chemistry (with lab) – 2 quarters CHEM 215 & 216  
 Microbiology (with lab) – 1 quarter BIOL 220  
 Physics-General (with lab) – 3 quarters PHYS 121, 122, 123  
 Statistics – 1 quarter MATH, PSYC, KINES  
 Organic Chemistry (with lab) – 3 quarters CHEM 221, 222, 223  
 Biochemistry – 1 quarter CHEM 436a  
 Genetics – 1 quarter BIOL 423

GRE 3.5 GPA  
 Shadowing  
 Volunteer with animals  
 VMCAS  
 May - September

**Entry Level Master in Nursing (EL MSN)**

Anatomy & Physiology (with lab) – 2 quarter BIOL 223 & 224  
 Microbiology (with lab) – 1 quarter BIOL 220  
 General Chemistry (with Lab) – 2 quarters CHEM 215 & 216  
 Social Science – 1 quarter PSYC, SOC, ANTH

TEAS 3.5 GPA  
 Volunteer in clinical setting  
 Varies by school/program

**Physician Assistant (PA)**

Anatomy & Physiology (with lab) – 2 quarters BIOL 223 & 224  
 Genetics (no lab) – 1 quarter BIOL 216  
 General Chemistry (with lab) – 2 quarters CHEM 215 & 216  
 Microbiology (with lab) – 1 quarter BIOL 220  
 Statistics – 1 quarter MATH, PSYC, KINES  
 Social Sciences – 1 quarter PSYC, SOC, ANTH

GRE 3.2 GPA  
 Shadowing  
 1,000 hours paid clinical exp.  
 CASPA  
 Late April- May

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**Public Health (MPH)**Anatomy & Physiology (with lab) - 2 quarters  
Abnormal Psychology – 2 quartersBIOL 223 & 224  
PSYC 390GRE 3.0 GPA  
Volunteer/intern  
SOPHAS  
August- following August

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**Optometry (OD)**Anatomy & Physiology (with lab) – 2 quarters  
General Biology (with lab) – 3 quarters  
General Chemistry (with lab) – 2 quarters  
Microbiology (with lab) – 1 quarter  
Organic Chemistry (with lab) – 3 quarters  
Biochemistry – 1 quarter  
Physics-General – 3 quarters  
Calculus and/or Statistics – 1 quarterBIOL 223 & 224  
BIOL 200, 201, 202  
CHEM 215 & 216  
BIOL 220  
CHEM 221, 222, 223  
CHEM 436A  
PHYS 121, 122, 123  
MATH 192 and/or statsOAT 3.0 GPA  
Shadowing  
Service Hours  
Optom CAS  
Late June-following June

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**Pharmacy (PharmD)**General Biology (with lab) – 3 quarters  
Anatomy & Physiology (with lab) – 2 quarters  
Microbiology (with lab) – 1 quarter  
General Chemistry (with lab) – 2 quarters  
Organic Chemistry (with lab) – 3 quarters  
Biochemistry (with lab) – 1 quarter  
Physics-General (with lab) – 3 quarters  
Calculus – 2 quarters  
Statistics – 1 quarterBIOL 200, 201, 202  
BIOL 223 & 224  
BIOL 220  
CHEM 215 & 216  
CHEM 221, 222, 223  
CHEM 436A  
PHYS 121, 122, 123  
MATH 192  
MATH, KINES, PSYCPCAT 3.4 GPA  
Shadowing  
Pharm Tech. License helpful  
Pharm CAS  
Mid July- Early March

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**Public Health-Nutrition/Dietetics (MPH)**Anatomy & Physiology (with lab) – 2 quarters  
Microbiology (with lab) – 1 quarter  
General Chemistry (with lab) – 2 quarters  
Organic Chemistry (with lab) – 1 quarter  
College Algebra – 1 quarter  
Developmental Psychology – 1 quarterBIOL 223 & 224  
BIOL 220  
CHEM 215 & 216  
CHEM 221, 222, 223  
MATH 110  
PSYC 201GRE 3.0 GPA  
Intern/Volunteer  
SOPHAS  
August- following August

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**Public Health-Environmental Health (MPH)**General Biology (with lab) – 3 quarters  
General Chemistry (with lab) – 2 quarters  
Organic Chemistry (with lab) – 3 quarters  
Developmental Psychology – 1 quarterBIOL 200, 201, 202  
CHEM 215 & 216  
CHEM 221, 222, 223  
PSYC 201GRE 3.0 GPA  
Intern/Volunteer  
SOPHAS  
August- following August

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**Clinical Lab Sciences/Med Lab Sciences (CLS)**General Biology (with lab) – 3 quarters  
General Chemistry (with lab) – 2 quarters  
Organic Chemistry (with lab) – 3 quarters  
College Math – 1 quarter  
Physics (with lab) – 3 quarters  
Anatomy & Physiology (with lab) – 2 quartersBIOL 200, 201, 202  
CHEM 215 & 216  
CHEM 221, 222, 223  
MATH 110  
PHYS 121, 122, 123  
BIOL 223 & 224GRE 3.0 GPA  
Intern/Volunteer

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**Health Care Admin/Public Admin/Business Admin (MPA/MBA)**Business Management – 1 quarter  
OR Healthcare Management – 1 quarter  
General Psychology – 1 quarterMGMT 302  
HSCI 271  
PSYC 101GRE or GMAT  
3.0 GPA

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**FOR ALL PROGRAMS:** Bachelor's degree with the following classes: English composition, English writing, public speaking and social science/humanities