

ORANGE COAST COLLEGE TRANSFER CURRICULUM GUIDE

HEALTH SCIENCES

LOWER DIVISION MAJOR REQUIREMENTS FOR TRANSFER

The following courses should be taken at OCC. Courses not offered at OCC will need to be taken after transfer. Four-year colleges and universities often make changes in their requirements for majors. The information contained in this guide is based on the most recent information available from the four-year school and does not constitute an official agreement. Recent updates to this Guide can be found on the Transfer Center website at: www.occ.cccd.edu/departments/studentsvcs/transferctr

PRE-DENTISTRY

Most dental schools require a minimum of three years of college (90 semester units) for admission. Most students admitted have a bachelor's degree in a major of their choice. In addition to the requirements for the major, students should complete a pre-dentistry curriculum which usually includes the following courses, all of which can be taken at OCC:

One year of English composition - ENGL 100 & either 101(or 101H) or 102(or 102H)

One year of physics - PHYS 120 & 125 or 130 & 135 or 185 & 280

One year of chemistry - CHEM 180 & 185

One year of organic chemistry - 220/221 & 225/226

One year of biology - BIOL 181(or 181H) & either 182/182L or 185

Introductory psychology - PSYC 100

Mathematics - varies

Note: Students must take these courses for letter grades. AP exams cannot be used to satisfy these course requirements at some schools. Students should consult the appropriate School of Dentistry catalog for specific requirements including mathematics. Schools of Dentistry in California include UC Los Angeles, UC San Francisco, University of Southern California, University of the Pacific and Loma Linda University.

(10/04)

PRE-MEDICINE

Completion of 90 semester units is a minimum requirement for admission to a school of medicine. Most students admitted to medical schools have earned a bachelors' degree. In addition to the pre-med requirements students should be completing the requirements for a bachelor's degree in a discipline of their choice. The minimum subject requirements for pre-med usually include the following courses, all of which can be taken at OCC.:

One year of English composition - ENGL 100 & either 101(or 101H) or 102(or 102H)

One year of physics - PHYS 120 & 125 or 130 & 135 or 185 & 280

One year of chemistry - CHEM 180 & 185

One year of organic chemistry - 220/221 & 225/226

One year of biology - BIOL 181(or 181H) & either 182/182L or 185

Introductory psychology - PSYC 100

Mathematics - varies

Note: Students must take these courses for letter grades. AP exams cannot be used to satisfy these course requirements at some schools. Mathematics through calculus is required for admission to some medical schools. Students should consult the appropriate School of Medicine catalog for specific requirements. Schools of Medicine in California include: UC Davis, UC Los Angeles, UC San Diego, UC San Francisco, UC Irvine, University of Southern California, Stanford University and Loma Linda University.

(10/04)

CHAPMAN UNIVERSITY**DOCTOR OF PHYSICAL THERAPY**

Applicants to this program must receive a bachelor's degree prior to admission. The major area of study for the bachelor's degree depends on the applicant's interests. Applicants must have a minimum GPA of 3.0 in prerequisite courses. You must also have taken the GRE exam within five years of application and received acceptable scores. The following prerequisite courses must be taken for a letter grade within ten years (except as noted):

1 semester of biology - BIOL 181(or 181H)

1 anatomy course* - BIOL 220(or 220H)

1 human physiology course* - BIOL 225(or 225H)

2 semesters of chemistry - CHEM 180 & 185

2 semesters of physics* - PHYS 120 & 125 or 130 & 135

2 psychology courses

1 course in statistics - MATH 160(or 160H)

*Must be taken within 5 years of application.

(11/05:W05-06)

UNIVERSITY OF THE PACIFIC**DOCTOR OF PHARMACY**

MATH 157 or 180 or 180H or 182H

PHYS 120 or 130 or 185

CHEM 180, 185, 220/221, 225/226

BIOL 181(or 181H) and either 182/182L or 183/183L or 185

Either BIOL 114 or 210

ENGL 100 & either 101(or 101H) or 102(or 102H)

SPCM 110 or 130

ECON 100 or 180

PSYC 100 or 158

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Plus at least one course from each category below:

International/Intercultural Studies: ANTH 100(or 100H), 110, 140, 195, 285; ENGL 160, 161, 165, 176, 280, 285; GEOG 100(or 100H), 160, 185; HIST 102(or 102H), 103(or 103H), 115-130, 145, 187-199; PHIL 110; PSCI185; RLST 110, 145; SPCM 155

Fundamental Human Concerns: ENGL 141; HIST 180(or 180H), 185(or 185H), 187; HUM 100; PHIL 100, 115, 120, 125, 130, 165, 185; POL SC 188, RLST100, 115-140, 150-185

Practice and Perspectives in the Arts: ART 100-104, 107-116, 120-130, 141-143AD, 150-171AC, 210AD-243AD, 263AD; DANC 200; ENGL 143, 148, 149, 175, 179; FILM 100, 104AB; HUM 101(or 101H); MUS 100, 105, 109, 115, 155-185; PHIL 118; PHOT 101, 120, 122AB; THEA 100-107

(10:04:A04-05)

LOMA LINDA UNIVERSITY

BACHELOR OF SCIENCE IN DENTAL HYGIENE

Natural Science

Chemistry CHEM 110*
Anatomy/Physiology BIOL 220(or 220H) & 225(or 225H)
Microbiology BIOL 210
Mathematics MATH 100 or above having MATH 030 as a prerequisite

Social Science

Sociology SOC 180(or 180H)
Cultural Diversity ANTH 100(or 100H)
One additional course from: political science, psychology, anthropology, economics or geography

Spiritual and Cultural Heritage

Five courses from: history, fine arts theory, literature, philosophy and foreign language

Communication Skills

English Composition ENGL 100 & 101(or 101H)
Speech SPCM 100 or 110

Health and Wellness

Personal Health/Nutrition HLED 100 or FN 170
Physical Education 2 activity courses

*CHEM 110 (one semester) will satisfy the one year of chemistry required at Loma Linda.

Note: Minimum units needed for admission is 64.

(10/04:A02-03)

BACHELOR OF SCIENCE IN NURSING

Note: All courses must be completed with a minimum GPA of 3.0.

Natural Science

BIOL 220(or 220H) & 225(or 225H)
BIOL 210
CHEM 110
MATH 030
PHYS 110

Social Science

PSYC 100
SOC 180(or 180H)

HUMANITIES - 12 units

One foreign language course at 180 level

Select additional courses from at least two areas:

ART 100(or 100H), MUS 100, ENGL 140, 141, 143, PHIL 100, 120, 150, HIST 100, 170(or 170H),175(or 175H), 180(or 180H),185(or 185H)

Communication Skills

ENGL 100 & 101(or 101H)
SPCM 110

Health and Wellness

Physical Education - 2 units

(03/07:W05-06)

BACHELOR OF SCIENCE/MASTER'S DEGREE IN OCCUPATIONAL THERAPY

Domain 1: Spiritual and Cultural Heritage - 14 units

Select courses from at least two areas: ART 100(or 100H), MUS 100, ENGL 140, 141, 143, PHIL 100, 120, 150, HIST 100, 170(or 170H), 175(or 175H), 180(or 180H),185(or 185H), any foreign language

Domain 2: Scientific Inquiry and Analysis

Natural Science

MATH 030 or 2 years of H.S. math with C or better
BIOL 220(or 220H) & 225(or 225H)
PHYS 110/111
CHEM 110 or MATH 130

Social Sciences

ANTH 100(or 100H)
SOC 180(or 180H)
PSYC 100
HUM DEV 180

Select one additional course from:
Anthropology, Psychology or Sociology

Domain 3: Communications

ENGL 100 and 101(or 101H)
SPCM 100 or 110
CIS 100

Domain 4: Health and Wellness

HL ED 100 or FN 170
PE - 2 units

Note: Grades of C or better are required in all courses. 40 hours of work/observation experience of voluntary or paid employment in an occupational therapy department is required. (10/04:A04-05)

BACHELOR OF SCIENCE/MASTER'S DEGREE IN PHYSICAL THERAPY

Domain 1: Spiritual and Cultural Heritage - 14 units

Select courses from at least two areas: ART 100(or 100H), MUS 100, ENGL 140, 141, 143, PHIL 100, 120, 150, HIST 100, 170(or 170H), 175(or 175H), 180(or 180H),185(or 185H), any foreign language

Domain 2: Scientific Inquiry and Analysis

Natural Science

BIOL 220(or 220H) & 225(or 225H) or BIOL 181(or 181H) & 182/182L & 183/183L
CHEM 180 & 185
PHYS 110/111 or 120 & 125
MATH 160(or 160H)
BIOL 210

Social Sciences

ANTH 100(or 100H)
PSYC 100
HUM DEV 180

Domain 3: Communications

ENGL 100 & 101(or 101H)
SPCM 100 or 110
CIS 100

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Domain 4: Health and Wellness

HLED 100 or FN 170
PE - 2 units

Note: Grades of C or better are required in all courses. 80 hours of work/observation experience of voluntary or paid employment in a physical therapy department, 20 of which must be in an in-patient setting, is required.

(10/04:A04-05)

OTHER BACHELOR'S DEGREES offered at Loma Linda University include: Cytotechnology, Clinical Laboratory Science (Medical Technology), Emergency Medical Care/Cardiopulmonary Sciences, Health Information Administration, Nutrition and Dietetics, Radiation Sciences, Radiologist Assistant, Respiratory Therapy/Cardiopulmonary Sciences. Articulation agreements for these majors are available from your counselors and are also on file in the Transfer Center.

SOUTHERN CALIFORNIA UNIVERSITY OF HEALTH SCIENCES - LOS ANGELES COLLEGE OF CHIROPRACTIC

DOCTOR OF CHIROPRACTIC

Applicants for admission must have completed a minimum of 90 semester units leading to a bachelor's degree in the arts or sciences with a cumulative GPA of at least 2.5 (on a 4.0 scale). Beginning in Fall, 2003, 30 of these units must be at the upper division level taken at a four-year school. Science courses must be taken in sequential order and must include laboratories. The following course prerequisites must be completed with a grade of C or better. Students who are considering LACC for completion of the Doctor of Chiropractic degree are advised to consult with a counselor at LACC, in person or by phone, about other requirements not shown here. The College telephone number is (213) 947-8755, Ext. 216.

Two courses from: BIOL 181(or 181H), 210, 220(or 220H), 225(or 225H)

CHEM 180, 185, 220/221, 225/226

Either ENGL 100 & 101(or 101H) or ENGL 100 & 102(or 102H) or ENGL 100 & SPCM 100

PHYS 120, 125

PSYC 100

Plus: 15 additional units from the areas of Social Science or Arts/Humanities.

(10/04:A01-02)

MASTER OF ACUPUNCTURE AND ORIENTAL MEDICINE

Applicants for admission must have completed a minimum of 60 semester units with a GPA of 2.25 or better.

BIOL 100 or 125 or 181(or 181H)

CHEM 100 or 110 or 130 or 180

PHYS 110, 120, 130, 185

PSYC 100

(10/04:A01-02)

SO. CALIFORNIA COLLEGE OF OPTOMETRY

DOCTOR OF OPTOMETRY

Admission to the Doctor of Optometry program requires completion of a bachelor's degree. Students should consult the School of Optometry catalog for additional information.

or better prior to admission and are the minimum requirements for all applicants:

BIOL 181(or 181H) and **either** 182/182L or 185

BIOL 210

CHEM 180, 185, 220/221

ENGL 100 & 101(or 101H)

MATH 160(or 160H) and **either** MATH 157 or 180(or 180H)

PHYS 120 & 125 or 130 & 135 or 185 & 280

PSYC 100 plus one additional 3 unit Psychology course (except PSYCH 160)

(10/04:W04-05)

SOUTH BAYLO UNIVERSITY

BACHELOR OF SCIENCE AND MASTER OF SCIENCE IN ACUPUNCTURE AND ORIENTAL MEDICINE

Applicants for admission must complete 60 units including:

General Education

Communication and Critical Thinking - 6 units

Science and Math - 6 units

Arts and Humanities - 6 units

Social and Behavioral Science - 6 units

Interdisciplinary Studies or electives - 10 units

Major:

BIOL 125

CHEM 100

PHYS 110

PSYC 100

BIOL 221 or 220(or 220H) and 225(or 225H)

(5/04:A2004)

UNIVERSITY OF SOUTHERN CALIFORNIA

BACHELOR OF SCIENCE IN DENTAL HYGIENE

Major Prep

English Composition- ENGL 100 & any transferable English course
Introduction to Sociology - SOC 180(or 180H)

General Physiology lab -

General Microbiology -

Nutrition - FN 170

General Psychology - PSYC 100

Public Speaking - SPCM 110

General Chemistry w/lab - CHEM 180 & 185

General Biology - BIOL 100 or 181(or 181H)

Anatomy - BIOL 220(or 220H)

General Education

Follow USC GE requirements.

Note: Applications should be filed well in advance of the February 1st deadline. Two applications are required - one to USC and one to the School of Dentistry. There is no minimum number of transfer units a student must complete prior to applying for admission; however, all major prep and general education requirements must be completed or in progress at the time of application.

(11/05:C07-08)

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The following courses must be completed with a letter grade of C

BACHELOR OF SCIENCE IN OCCUPATIONAL THERAPY

Prerequisites

Human Anatomy & Physiology - BIOL 220(or 220H) & 225(or 225H)

General Psychology - PSYC 100

Abnormal Psychology - PSYC 158

General Sociology or Cultural Anthropology - SOC 180(or 180H) or ANTH 100(or 100H)

Plus: A course in human growth and development through the lifespan is also required. This course can be taken at GWC (GWC course number = PSYCH 160).

General Education

Follow USC GE requirements.

Requirements for Admssion

1.) Cumulative GPA of at least 2.75 in undergraduate courses, 2.) Grades of "A or B" in occupational therapy prerequisite courses, 3.) Completion of all GE requirements by beginning of senior year, 4.) Understanding of occupational therapy program as demonstrated in autobiographical statement, 5.) Satisfactory health status.

Application Procedures

1.) Completed department application form, 2.) Official transcripts from all colleges attended, 3.) Autobiographical statement including reasons for wanting to enter the profession, concept of occupational therapy, experience, personal data, skills and accomplishments, 4.) Three letters of recommendation from professors, employers of other professional people not related to applicant (sent directly to department in a sealed envelope),

(11/05:C07-08)

DOCTOR OF PHARMACY

Minimum 90 transferable units with a cumulative GPA of 3.0 to include:

English Composition & Literature - ENGL 100 & **either** 101(or 101H) or 102(or 102H)

Statistic & Calculus - MATH 160(or 160H), 180(or 180H)*

General Biology, Molecular Biology, Microbiology, Mammalian Physiology - BIOL 181(or 181H), 185 or 182/182L, 210, 225(or 225H), 281(or 281H), 282(or 282H,)

General Chemistry, Organic Chemistry, Biochemistry - CHEM 180, 185, 220/221, 225/226

Physics - PHYS 130 & 135 or 185 & 285

Interpersonal Communications - SPCM 100

General Psychology or Intro to Sociology - PSYC 100 or SOC 180(or 180H)

Macro or Micro Economics - ECON 180 or 185

Electives from social and behavioral sciences and humanities

*MATH 182H also meets this requirement.

For students who have not earned a bachelor's degree at the time of admission:

6 units from: Cultural Anthropology, Economics, Geography, Psychology, Sociology

6 units from: English Literature, Ethics, Foreign Language or Fine Arts, History, Music Appreciation, Philosophy, Religious Studies

Note: A limited number of students are admitted without a bachelor's degree. The completion of a bachelor's degree is strongly recommended. Grades of credit/no credit will not be accepted (unless course is only offered on credit/no credit basis).

(11/05:C07-08)

MASTER OF SCIENCE IN PHYSICIAN ASSISTANT PRACTICE

Admission to the program requires the completion of a Bachelor's degree in any subject.

Prerequisite courses completed with a letter grade of "B" or better:

General Biology with lab - 6 units minimum

General Chemistry with lab - 6 units minimum

Human Anatomy - BIOL 210

Physiology & Microbiology - BIOL 220(or 220H) & 225(or 225H)

Intermediate Algebra - MATH 030

Statistics - MATH 160(or 160H)

English Composition & Critical Thinking or Logic - ENGL 100 & 101(or 101H) or 102(or 102H) or PHIL 150

Social Sciences - (anthropology, psychology, sociology) - 6 units

Humanities - (art, music, philosophy, religious studies) - 6 units

General Psychology - PSYC 100

Foreign Language - 1 course - SPAN 180 is highly recommended

Strong competency in medical terminology

Note: Admission in Fall only. It is recommended students have a minimum of 1,000 hours of clinical work experience (e.g. EMT, nurse, medical technologist, paramedic, physical therapist, etc.). It is also recommended students demonstrate evidence of community service. For more information visit the department website at: www.usc.edu/medicine/pa or call (626) 457-4247.

(11/05:C07-08)

WESTERN UNIVERSITY OF HEALTH SCIENCES

MASTER OF SCIENCE IN PHYSICIAN ASSISTANT STUDIES

BIOL 210, 220(or 220H) or 223, 225, 283

CHEM 180 & 185

ENGL 100 & either 101(or 101H), 102(or 102H), 105

PSYC 100

SOC 180

MATH 130, 160 (or 160H) or PSYC 160

9 units in humanities (art, music, theatre, philosophy, religion, foreign languages, speech)

Spanish is strongly recommended

Note: A bachelor's degree is required for admission into this program.

(03/06:06-07)

DOCTOR OF PHARMACY

60 units including:

BIOL 181, 210, 220(or 220H) or 223, 225(or 225H)

CHEM 180, 185, 220/221, 225/226

ENGL 100 & either 101(or 101H), 102(or 102H), 105

SPCM 100 or 110

MATH 157, 180(or 180H), 185(or 185H)

Electives (2 courses) - from two of the three following areas: public speaking/debate, social sciences, economics

(03/07:06-07)

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MASTER OF PHYSICAL THERAPY

BIOL 220(or 220H), 225(or 225H)
CHEM 180, 185
PHYS 120 & 125 or 130 & 135
ENGL 100
MATH 160(or 160H)
Psychology - 2 courses

Note: Applicants must have earned a bachelor's degree, take the GRE, and have completed a minimum of 100 hours of volunteer or paid work experience in a variety of physical therapy settings. A minimum of 20 of these hours must be in an acute patient care or general hospital setting.

(03/07:05-06)

PRE-VETERINARY MEDICINE

Applicants are not required to have obtained a bachelor's degree; however earning a degree will likely strengthen your application. WUHS encourages the admission of applicants from a wide range of undergraduate degree programs.

The following courses are required for admission.

Chemistry - CHEM 180 & 185
Organic chemistry - CHEM 220/221 & 225/226
Biochemistry* - take at four-year school
Biological Sciences (including one upper division course taken at a four-year school)* - BIOL 181(or 181H)*
Microbiology* - BIOL 210
Nutrition* - FN 170
Genetics* - BIOL 283
Statistics* - MATH 160(or 160H)
Computer Skills* - CS 111
Physics - PHYS 120 & 125 or 130 & 135
English composition - ENGL 100
Technical writing - ENGL 105 or 110
Public speaking - SPCM 110
Macroeconomics - ECON 180

Plus: Three courses in humanities and social science (with at least one course in either psychology or sociology)

*Must be completed no more than 8 years prior to enrollment at WUHS.

(10/04:W04-05)
