

ORANGE COAST COLLEGE

TRANSFER CURRICULUM GUIDE HEALTH SCIENCES

LOWER DIVISION MAJOR REQUIREMENTS FOR TRANSFER

The following courses should be taken at OCC prior to transfer. Courses not offered at OCC will need to be taken after transfer unless otherwise noted. 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: CHEM 220/221 & 225/226

One year of biology: BIOL 180(or 180H) & 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.

(07/14)

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: CHEM 220/220L & 225/225L

One year of biology: BIOL 180(or 180H) & 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.

(07/14)

UNIVERSITY OF CALIFORNIA, DAVIS

Students may apply after 75% of the science prerequisites have been completed. Remaining prerequisites must be completed by the end of the spring term prior to entering. The applicant is ranked on their GPAs (last two years and overall science), quantitative GRE score and letters of recommendation.

You must have a Bachelor's Degree from an accredited institution by the end of the spring term prior to entering. Academic performance is the major selecting factor. The average overall science and last 45 semesters units' GPA is 3.7 and 70th percentile for the quantitative GRE. You must file an application for admission through VMCAS (www.aavmc.org), including supporting documents, and take the GRE test by September 15 @ 8:59pm. The GRE must be taken no later than August 31.

The requirements for pre-veterinary medicine that can be taken at OCC include the following courses:

General Statistics: MATH 160

General Biology w/lab (two semesters): BIOL 180, 185, 280

General Chemistry w/lab (two semesters): CHEM 180 & 185

Organic chemistry w/lab: No Equivalent

Physics (two semesters): No Equivalent

Additional Admission Requirements: Veterinary Experience (minimum of 180 hours at time of application, but admitted students have an average of 1,500 hours of quality "hands-on" experience), three letters of evaluation, official transcripts, Graduate Record Examination, any supplemental information you wish to have considered and an interview.

Note: Students should take courses for letter grades as GPAs are very important in the evaluation process. For more information about the program go to the web site at: <http://www.vetmed.ucdavis.edu/students/admissions/index.cfm>

(09/17:W01/17)

UNIVERSITY OF CALIFORNIA, IRVINE

BACHELOR OF SCIENCE IN NURSING SCIENCE

UCI	OCC	(09/17:A16-17)
CHEM 1ABC	CHEM 180 & 185	
CHEM 51A	CHEM 220 & 220L	
PHILOS 4 <u>or</u> PHILOS 5	PHIL 120 <u>or</u> RLST 120 <u>or</u> No Equivalent Course	
PUBHLTH 1	No Equivalent Course	
SOCIO 1	SOC 100(or 100H)	
BIO SCI 97	BIOL 283	
BIO SCI 98	BIOL 281	
BIO SCI E109/112L	BIOL 225*	
BIO SCI M122/122L	BIOL 210*	
BIO SCI D170	BIOL 220	
Statistics	MATH 160(or160H) <u>or</u> PSYC 160+	
Psychology	One course from: PSYC 100, 100H, 185, 250, 255, 260	
Anthropology/Sociology	One course from: ANTH 100, 100H, PSYC 260, SOC 100, 100H, 110, 185, 185H	
*No upper division credit; subject credit only. +PSYC 160 will not satisfy IGETC Area 2 - Mathematical Concepts and Quantitative Reasoning. Students wishing to satisfy IGETC Area 2 should take MATH 160(or 160H).		
Note: Admission is limited and selective. Preference is given to applicants with the highest grades overall who have completed prerequisites. Courses must be completed with a letter grade of "B" or higher and have a cumulative GPA of 3.0 or higher to be considered. A single course may only be used once in fulfillment of a requirement.		

BACHELOR OF SCIENCE IN PHARMCEUTICAL SCIENCES

UCI	OCC	(09/17:A16-17)
Courses required for transfer:		
CHEM 1ABC, 1LC/LD	CHEM 180 & 185* @	
BIO SCI 93	BIOL 180*	Continued

UCI	OCC	(09/17:A16-17)
BIO SCI 94	BIOL 185*	
Additional Approved Courses:		
BIO SCI 97	BIOL 283	
BIO SCI 98	BIOL 281	
BIO SCI 99	BIOL 282(or 282H)	
BIO SCI 100	No Equivalent Course	
CHEM 51ABC, 51LB/LC	CHEM 220/220L & 225/225L@	
PHYS 3ABC, 3LB/LC <u>or</u> 7CDE, LC/LD	PHYS 130 & 135 <u>or</u> 185 & 280	
MATH 2AB	MATH 180(or 180H) & 185(or 185H)**	
One course from: MATH 160(or 160H or PSYC 160)+ <u>or</u> MATH 280(or 280H) <u>or</u> 285(or 285H)		
*No upper division credit; subject credit only. +PSYC 160 will not satisfy IGETC Area 2 - Mathematical Concepts and Quantitative Reasoning. Students wishing to satisfy IGETC Area 2 should take MATH 160(or 160H).		
Notes: Apply as Pharmaceutical Sciences major. It is strongly advised that students complete as many major prep requirements as possible prior to transfer. All applicants must maintain a cumulative GPA of 3.0 or higher. Once enrolled at UCI, only UCI courses will satisfy major requirements. A single course may only be used once in fulfillment of a requirement.		

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BACHELOR OF SCIENCE IN NURSING – GENERIC/PRELICENSURE

UCLA	OCC	(09/17:A16-17)
ENGCMP 3	ENGL 100	
English Composition	ENGL 101(or 101H) <u>or</u> 102(or 102H) <u>or</u> PHIL 150	
CHEM 20AB	CHEM 180 & 185	
CHEM 30A	CHEM 220	
LIFE SCI 2	BIOL 180 and either 182 <u>or</u> 185 <u>or</u> 225	
LIFE SCI 3	BIOL 282	
PHYSI 3	BIOL 225	
PHYSI 13	BIOL 220	
Strongly Recommended		
MATH 3A <u>or</u> 31A	No Equivalent Course <u>or</u> MATH 180(or 180H)	
COMM ST 1 <u>or</u> 10	CMST 110 <u>or</u> No Equivalent Course	
MIMG 10	BIOL 210	
PSYCH 10	PSYC 100	
Note: A supplemental application with the School of Nursing is required. This major is not open to second baccalaureate applicants. Prerequisites must be completed with a letter grade of "C" or better and a minimum GPA of 3.5 in all UC transferable courses. Admissions requirements include a statement of purpose that includes an assessment of potential for nursing practice and a clear statement of goals after completion of the program, recommendations from two appropriate sources (one teacher/counselor and one professional who has had supervisory, educational or a mentoring relationship to you), and completion of IGETC.		

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

DOCTOR OF PHARMACY

Minimum 62 units to include:

ENGL 100 & 101 or 102
 CHEM 180, 185, 220/220L, 225/225L
 PHYS 120 & 125 or 130 & 135 or 185 & 280
 BIOL 180, 182/182L or 185, 225
 MATH 180 & 185

Plus: 18 units from Humanities and Social Sciences including CMST 110 or 220, ECON 170 or 175 and one course from ANTH 100 or PSYC 100 or SOC 100.

Note: While 62 units is the minimum required, most admitted students have completed a bachelor's degree. Visit the UCSF website for additional information: <http://pharmacy.ucsf.edu/pharmd/admissions/reqs>

SCHOOL OF DENTISTRY

Minimum 93 UC transferable units which must include 20 units at an accredited US four-year school and to include:

ENGL 100 & 101(or 102)
CHEM 180, 185, 220, 220L
BIOL 180 & 185(or 182 & 182L)
PHYS 120 & 125 or 185 & 280 or 130 & 135
PSYC 100

Plus: 11 units from social sciences, humanities and/or foreign language. It is recommended that any additional elective units be in embryology, comparative vertebrate anatomy, genetics and statistics.

NOTE: Courses must be completed by the end of the spring session before the desired date of enrollment. Visit the UCSF website for additional information on admission: <http://dentistry.ucsf.edu/>

(09/17:A16-17)

CALIFORNIA STATE UNIVERSITY, FULLERTON

BACHELOR OF SCIENCE IN NURSING (RN-BSN)

CSUF	OCC	(01/11:A15-16)
Admission Requirements		
1. Meet admission requirement to the university as a transfer student.		
2. Completion of an associate degree in nursing or equivalent.		
3. Current licensure as a registered nurse in California.		
4. Completion of prerequisites below with a minimum grade of "C" or better.		
Prerequisite Courses:		
Oral Communication	CMST 100 <u>or</u> 110	
Written Communication	ENGL 100	
Critical Reasoning	One Course from: CMST 220, 240 ENGL 101(or 101H), 102(or 102H), 109, MATH 220, PHIL 150, 155, 220	
Statistics	MATH 160(or 160H)	
Anatomy w/lab	BIOL 220	
Physiology w/lab	BIOL 225	
Microbiology w/lab	BIOL 210	
Chemistry w/lab	CHEM 110 <u>or</u> 180 <u>or</u> 185	

BACHELOR OF SCIENCE IN NURSING (Entry Level BSN)

CSUF	OCC	(09/17:A15-16)
Prerequisite Courses:		
Oral Communication	CMST 100 <u>or</u> 110	
Written Communication	ENGL 100	
Critical Reasoning	One Course from: CMST 220, 240 ENGL 101(or 101H), 102(or 102H), 109, MATH 220, PHIL 150, 155, 220	
Statistics	MATH 160(or 160H)	
Anatomy w/lab	BIOL 220*	
Physiology w/lab	BIOL 225*	
Microbiology w/lab	BIOL 210*	
Chemistry w/lab	CHEM 110	
*Must be completed with a grade of "B" or better.		
Note: Prerequisite courses must be completed with a minimum overall GPA of 3.25. All non-science prerequisite courses must be completed with a grade of "C" or better.		

BACHELOR OF SCIENCE IN HEALTH SCIENCE

Options: Health Promotion & Disease Prevention, Environmental & Occupational Health & Safety, Global Health

CSUF	OCC	(09/17:A15-16)
Prerequisite Requirements		
BIOL 101/101L <u>or</u> 172 <u>or</u> 171	BIOL 100 <u>or</u> 185 & 182/182L & 183/183L <u>or</u> 180	Continued

CSUF	OCC	(09/17:A15-16)
CHEM 100/100L <u>or</u> 200 <u>or</u> 115 <u>or</u> 120A	CHEM 110 <u>or</u> 130 <u>or</u> 180	
PSYC 101 <u>or</u> SOCI 101	PSYC 100(or 100H) <u>or</u> SOC 100(or 100H)	
HCOM 100 <u>or</u> 102	CMST 100 <u>or</u> 110	
KNES 210	BIOL 221	
Core Requirements		
HESC 101	HLED 100	
HESC 220	No Equivalent Course	
Electives		
CHEM 301A/302A	CHEM 220* & 220L*	
CHEM 301B/302B	CHEM 225* & 225L*	
*No upper division credit.		
Note: All courses counted toward the major must be completed with a letter grade of "C" or higher. Students must select one of options listed above.		

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

DOCTOR OF PHYSICAL THERAPY

CSUN	OCC	(10/14:W03/17)
Biology	Any biology course with a lab: BIOL 100, 180, 180H, 182/182L, 183/183L, 185, 210, 221	
Anatomy	BIOL 220(or 220H)	
Physiology	BIOL 225	
Chemistry I & II	CHEM 180 & 185 <u>or</u> 220/220L & 225/225L	
Physics I & II	PHYS 120 & 125 <u>or</u> 130 & 135	
Statistics	MATH 160(or 160H) <u>or</u> PSYC 160	
Psychology I	PSYC 100	
Psychology II	PSYC 125, 130, 140, 150, 255	
Note: Program prerequisites include completion of a BA degree (any major), the 10 prerequisites listed above, completion of the GRE, completion of 200 physical therapy hours under a licensed physical therapist and 3 letters of recommendation (at least 1 from a licensed physical therapist). Only two of the courses listed above may be planned or in progress by the application deadline (no exceptions). Must attain a grade of "C" or higher in all courses with a minimum GPA of 3.0 in prerequisite courses. AP courses are accepted if listed on your official transcript. Pass/Fail designations are given a grade of "C" or "F." Prerequisite guidelines can be found at: http://www.csun.edu/health-human-development/physical-therapy/program-prerequisites		
Admissions Information: http://www.ptcas.org/ptcas/public/Listing.aspx?seqn=570&navid=10737426784		

BACHELOR OF SCIENCE IN ENVIRONMENTAL & OCCUPATIONAL HEALTH

Option: Industrial Hygiene

CSUN	OCC	(09/17:A16/17)
BIOL 101/101L & 281/202 <u>or</u> 106/L & 107/L	BIOL 100 & 225 <u>or</u> 185(or 182/182L & 183/183L) & 180	
CHEM 101/101L & 102/102L	CHEM 180 & 185	
CHEM 235/235L	CHEM 220/220 & 225/225L	
HSCI 132	No Equivalent Course	
MATH 105 <u>or</u> 102 & 104	MATH 170 <u>or</u> 115 & 120*	
MATH 140	MATH 160	
PHYS 100A/100AL	PHYS 120	
PHYS 100B/100BL	PHYS 125	
*Both MATH 115 & 120 must be completed to meet MATH 102 & 104 requirement.		
Note: This campus is impacted. See impaction information at: http://www.csun.edu/admissions-records/transfer-impaction A grade of "C" or better is required in all courses. AP credit is granted with a score of 3 or better for BIOL 180 & 185 (no labs); MATH 160; PHYS 120 & 125; a score of 4 or better is required for CHEM 180 credit.		

BACHELOR OF SCIENCE IN HEALTH ADMINISTRATION

CSUN	OCC	(09/17:A16/17)
ACCT 220	ACCT 101	
BIOL 101/101L	BIOL 100	
HSCI 132	No Equivalent Course	
MATH 102 <u>or</u> 103 <u>or</u> 105 <u>or</u> 140	MATH 115 <u>or</u> 140 <u>or</u> 170 <u>or</u> 160	
PSY 150	PSYC 100 <u>or</u> 185	
SOC 150	SOC 100	
Note: This campus is impacted. See impaction information at: http://www.csun.edu/admissions-records/transfer-impaction AP credit is granted with a score of 3 or better for MATH 140 and PSYC 100 <u>or</u> 185.		

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCES

CSUN	OCC	(09/17:A16/17)
BIOL 101/101L	BIOL 100	
BIOL 211/212	BIOL 220	
BIOL 281	BIOL 225	
CHEM 100	CHEM 130*	
PSY 150	PSYC 100 <u>or</u> 185	
SOC 150	SOC 100	
MATH 105 <u>or</u> 102 & 104	MATH 170 <u>or</u> 115 & 120**	
PHYS 100A & 100B/BL	PHYS 120 & 125	
HSCI 181	RADT 180	
HSCI 182	RADT 290	
HSCI 280	RADT 171 & 172	
HSCI 281	RADT 176	
HSCI 282	RADT 177	
HSCI 283	RADT 271	
HSCI 284	RADT 276 & 277	
HSCI 285	RADT 170 & 175 & ALH 115	
HSCI 286	RADT 270 & 275	
*If not completed at CSUN, a placement test is required.		
**Both MATH 115 & 120 must be completed to meet MATH 102 & 104 requirement.		
Note: Completion of the prerequisite criteria and acceptance to CSUN does not guarantee acceptance to the professional program - a separate application is required for both CSUN and the program. AP credit is granted with a score of 3 or better for CHEM 130; PHYS 120 & 125; and PSYC 100 <u>or</u> 185. Program requirements and application procedure information is available at: www.csun.edu/~vchsc02t		

BACHELOR OF SCIENCE IN NURSING (RN to BSN)

CSUN	OCC	(09/17:A16/17)
BIOL 211/212	BIOL 220	
BIOL 215/215L	BIOL 210	
BIOL 281 & 282	BIOL 225	
CHEM 103/103L	No Equivalent Courses	
MATH 140	MATH 160	
Note: This campus is impacted. See impaction information at: http://www.csun.edu/admissions-records/transfer-impaction This program is limited to Registered Nurses with current licensure who have completed an Associate degree or its equivalent from a regionally accredited program. A minimum grade of "C" is required in anatomy, physiology, chemistry, microbiology and introductory statistics. More information about the RN-BSN program can be found at: http://www.csum.edu/~nursing/		

BACHELOR OF SCIENCE IN NURSING (Accelerated BSN) Second BA Degree Program

CSUN	OCC	(09/17:A16/17)
BIOL 211/212	BIOL 220	
BIOL 215/215L	BIOL 210	
BIOL 281 & 282	BIOL 225	
CHEM 103/103L	No Equivalent Courses	Continued

CSUN	OCC	(09/17:A16-17)
MATH 140	MATH 160	
<p>Note: This campus is impacted. See impactation information at: http://www.csun.edu/admissions-records/transfer-impaction This program is limited to Registered Nurses with current licensure who have completed an Associate degree or its equivalent from a regionally accredited program. A minimum grade of "C" is required in anatomy, physiology, chemistry, microbiology and introductory statistics. More information about the RN-BSN program can be found at: http://www.csum.edu/~nursing/</p>		

CALIFORNIA STATE UNIVERSITY, LONG BEACH

BACHELOR OF SCIENCE IN HEALTH SCIENCE

Options: Community Health Education, School Health Education

CSULB	OCC	(09/17:A16-17)
Community Health Education		
BIOL 205 <u>or</u> 208/207	BIOL 221 <u>or</u> 220/225	
CHEM 100	CHEM 110	
HSC 210	HLED 100	
NUTR 132	FN 170	
Statistics	MATH 160 <u>or</u> PSYC 160	
School Health Education		
BIOL 205 <u>or</u> 208/207	BIOL 221 <u>or</u> 220/225	
CHEM 100	CHEM 110	
PSY 100	PSYC 100(or 100H)	
NUTR 132	FN 170	
HSC 210	HLED 100	
Statistics	MATH 160 <u>or</u> PSYC 160	
<p>Note: This major is impacted. See CSULB catalog for supplemental admission criteria. A grade of "C" or better is required in all major courses. Students must complete 60 units and the CSU GE requirements in Written and Oral Communication, Critical Thinking and Mathematics/Quantitative Reasoning with a grade of "C" or better by the end of the prior spring term for fall admission or by the end of the prior summer for spring admission. A grade of "C" or better is required in all courses for the major.</p>		

BACHELOR OF SCIENCE IN HEALTH CARE ADMINISTRATION

CSULB	OCC	(09/17:A16-17)
ACCT 201	ACCT 101	
ECON 101	ECON 170	
BIOL 205 <u>or</u> 208/207	BIOL 221 <u>or</u> 220/225	
Statistics	MATH 160 <u>or</u> PSYC 160	
I S 233	CIS 111	
H SC 150	No Equivalent Course	
Computer proficiency in word processing, spreadsheet, database and presentation software is expected.		
Department Recommendation		
MATH 115	MATH 140	
<p>Note: This major is impacted. See CSULB catalog for supplemental admission criteria. A grade of "C" or better is required in all major courses. Students must complete 60 units and the CSU GE requirements in Written and Oral Communication, Critical Thinking and Mathematics/Quantitative Reasoning with a grade of "C" or better by the end of the prior spring term for fall admission or by the end of the prior summer for spring admission. A grade of "C" or better is required in all courses for the major.</p>		

BACHELOR OF SCIENCE IN NURSING

Options: Basic, Registered Nurse*

The nursing program admits two categories of students: (1) those who enter the University without having completed a first level nursing program are known as Basic Students, (2) those who have completed an Associate Degree in Nursing and are Registered Nurse students.

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CSULB	OCC	(09/07:A16-17)
Basic Nursing Prerequisite Courses:		
CHEM 140	CHEM 110	
BIOL 208 & 207	BIOL 220 & 225	
BIOL 201	BIOL 210	
Support Courses		
PSY 100	PSYC 100(or 100H)	
SOC 100	SOC 100(or 100H)	
Prerequisite GE Courses (One for each)**:		
Oral Communication	CMST 100 <u>or</u> 110	
Written Communication	ENGL 100	
Critical Thinking	One Course from: CMST 220, 240 ENGL 101(or 101H), 102(or 102H), 109, MATH 220, PHIL 150, 155, 220	
STAT 108	MATH 160 <u>or</u> PSYC 160	
Nursing Courses:		
NRSB 200	No Equivalent Course	
NRSB 250	No Equivalent Course	
Registered Nurse* Support Courses		
Stat Course	MATH 160 <u>or</u> PSYC 160	
CHEM 140	CHEM 110	
*Students must hold a current license or be eligible for license to practice in California. Graduation from an Accredited Associate Degree program or evaluation of diploma program for equivalency by the Accredited Associate Degree program.		
**Prerequisite courses must be completed with a grade of "C" or higher. GPA for prerequisite courses must be a 3.0 or higher.		
Note: This major is impacted. See CSULB catalog for supplemental admission criteria. Students must complete 60 units and the CSU GE requirements in Written and Oral Communication, Critical Thinking and Mathematics/Quantitative Reasoning with a grade of "C" or better by the end of the prior spring term for fall admission or by the end of the prior summer for spring admission. Criminal background check, health insurance, immunizations, medical clearance and malpractice insurance are required for clinical coursework.		

DOCTOR OF PHYSICAL THERAPY

The following courses must be completed with a minimum grade of "C" and a minimum GPA of 3.0 by the end of the fall semester prior to the year of admission to the program. No course can be completed more than once and no more than 3 prerequisite courses may be repeated. CR/NC grades, correspondence courses or independent study courses cannot be used for prerequisite requirements. Only 2 classes may be in progress during the fall semester of application and all prerequisite courses must be completed by the end of the Fall semester of application.

CSULB	OCC	(09/17:W03/2017)
Natural Sciences		
CHEM 111AB	CHEM 180 & 185	
PHYS 100AB	PHYS 120 & 125 <u>or</u> 130 & 135	
Biological Sciences		
BIOL 208	BIOL 220(or 220H)	
BIOL 211	BIOL 185 <u>or</u> 182/182L & 183/183L	
BIOL 212	BIOL 180(or 180H)	
BIOL 207 <u>or</u> 213	BIOL 225(or 225H) <u>or</u> BIOL 185 <u>or</u> 182/182L & 183/183L	
Biostatistics		
BIOL 260	No Equivalent Course	
Behavioral Sciences		
PSY 100	PSYC 100(or 100H)	
Admission Requirements		
<ol style="list-style-type: none"> 1. Complete the university application for graduate standing by January 15 and complete the PTCAS application by November 1 for summer admission for the following year. 2. Submit to the university and PTCAS results of the General Aptitude Section of the GRE taken within the past 5 years. 3. Provide PTCAS with three letters of recommendation (at least one letter must be from a physical therapist with whom you've had a professional association, one from a professor from a prerequisite course and if previously employed the third letter should be from an employer. If you've not been employed, the third letter should be from a physical therapist with whom you've had a professional association. 		
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4. Provide documentation of a minimum of 100 documented hours of paid or volunteer experience under the direct supervision of a licensed physical therapist.
5. Provide a written statement of purpose reflecting your commitment to physical therapy and,
6. Meet the above prerequisite requirements.

Note: Admission shall be granted on a competitive basis. Meeting the admission requirements qualifies and individual but does not guarantee admission to the program. In addition to the prerequisites listed above, students must: 1. Hold or be eligible to hold an acceptable BA degree from an institution accredited by a regional accrediting association or have completed equivalent academic preparation by the end of the spring semester prior to admission to the program. 2. Have attained a GPA of at least 3.0 and, 3. Have been in good academic, professional and clinical standing at the last institution and, if applicable, in the last entry-level physical therapist educational program attended.

BACHELOR OF SCIENCE IN MICROBIOLOGY (Medical Laboratory Technology)

See Curriculum Guide for Biological Sciences

CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

BACHELOR OF SCIENCE IN HEALTH SCIENCES

Options: Community Health, Health Care Management, Radiologic Technology*

CSUDH	OCC	(09/07:A16-17)
Community Health		
HSC 201	No Equivalent Course	
MAT 131	MATH 160	
BIO 102 & 103	BIOL 100	
Health Care Management:		
HSC 201	No Equivalent Course	
MAT 131	MATH 160	
ACC 230	ACCT 101	
ECO 210	ECON 170	
Radiologic Technology*		
BIO 250 & 251	BIOL 221 <u>or</u> 220 & 225	
ENG 110	ENGL 100	
ENG 111	ENGL 101(or 101H) <u>or</u> 102(or 102H)	
PSY 101 <u>or</u> SOC 101	PSYC 100(or 100H) <u>or</u> No Equivalent Course	
ANT 100	ANTH 100	
PHY 100 <u>or</u> 120	No Equivalent Course <u>or</u> PHYS 120	
CHE 110 & 112	CHEM 180 & 185	
CSC 101	CIS 111	
HSC 201	No Equivalent Course	
MAT 131	MATH 160	
HEA 280	Complete at CSUDH after transfer	
HEA 281	Complete at CSUDH after transfer	
HEA 287	Complete at CSUDH after transfer	
*Refer to the current catalog for application and admission information pertaining to these programs.		
Note: A grade of "C" or better is required in each course.		

SAN DIEGO STATE UNIVERSITY

BACHELOR OF SCIENCE IN NURSING

SDSU	OCC	(09/17:A16-17)
BIOL 211/211L	BIOL 210*	
BIOL 212	BIOL 220*	
BIOL 261	No Equivalent Course*	
CHEM 102	CHEM 110	
		Continued

SDSU	OCC	(09/17:A16-17)
SOC 101	SOC 100(or 100H)	
PSY 101	PSYC 100(or 100H)	
PSY 230	PSYC 130	
Statistics	MATH 160 <u>or</u> PSYC 160	
COMM 103	CMST 110	
RWS 100	ENGL 100	
RWS 200	Any certified A3 course from: CMST 220, 240 ENGL 101(or 101H), 102(or 102H), 109, MATH 220, PHIL 150, 155, 220	
*Complete with grade of B or better.		
Note: This program is impacted. A supplemental application must be submitted through the School of Nursing. See SDSU catalog for admission criteria. Complete all courses with a grade of "C" or better, with the exception of Biology courses which require a grade of "B" or better. Students must have an overall GPA of 3.2 in prerequisite courses. All courses must be taken for a letter grade. For more information contact the Department of Nursing website at: http://nursing.sdsu.edu		

BACHELOR OF SCIENCE IN HEALTH SCIENCE (Public Health)

SDSU	OCC	(10/14:A16-17)
P H 101	No Equivalent Course*	
P H 290	No Equivalent Course*	
P H 295	No Equivalent Course	
BIOL 100/100L	BIOL 100(or 100H)	
BIOL 211/211L	BIOL 210	
BIOL 212	BIOL 220	
CHEM 100	CHEM 130	
PSY 101	PSYC 100(or 100H)	
SOC 101	SOC 100(or 100H)	
STAT 119 <u>or</u> 250	MATH 160 <u>or</u> PSYC 160	
Note: This program is impacted. See SDSU catalog for admission criteria. Complete all courses with a grade of "C" or better, with the exception of PH 101 & 290, which require a grade of "B" or better. All courses must be taken for a letter grade. Students must complete all prerequisites with a minimum cumulative GPA of 2.75.		

BACHELOR OF SCIENCE IN HEALTH COMMUNICATIONS

SDSU	OCC	(09/17:A16-17)
Oral Communication	CMST 100 <u>or</u> 110	
COMM 160	CMST 220	
COMM 245	CMST 100	
Note: This program is impacted. See SDSU catalog for admission criteria. Complete all courses with a grade of "C" or better, with the exception of PH 101 & 290, which require a grade of "B" or better. All courses must be taken for a letter grade. Students must complete all prerequisites with a minimum cumulative GPA of 2.75.		

CALIFORNIA STATE UNIVERSITY, SAN MARCOS

BACHELOR OF SCIENCE IN NURSING

Options: Traditional BSN, LVN to BSN, RN to BSN, Accelerated BSN

CSUSM	OCC	(01/10:A16-17)
Pre-Nursing Core for all Options		
GEO 102	CMST 100 <u>or</u> 110	
GEW 101	ENGL 100	
PHIL 110	One Course from: CMST 220, 240 ENGL 101(or 101H), 102(or 102H), 109, MATH 220, PHIL 150, 155, 220	
MATH 200	MATH 160 <u>or</u> PSYC 160	
BIOL 160	BIOL 210	
BIOL 175 & 176	BIOL 220 & 225@	
CHEM 105/105L	CHEM 110 <u>or</u> 185, 220 & 220L	
Continued		

CSUSM	OCC	(01/10:A16-17)
Supporting Coursework		
PSYC 100	PSYC 100	
ANTH 200	ANTH 100(or 100H)*	
BIOL 323	FN 170**	
CSUGE Area C1 Course	CSUGE Area C1 Course+	
CSUGE Area C2 Course	CSUGE Area C2 Course+	
American Institutions+	See your community college counselor for correct course choices	
Foreign language through 185 (or see IGETC)+		
*SOC 100 may be substituted for the RN to BSN and Accelerated BSN program.		
**No upper division credit.		
+Not required of students pursuing a Second Bachelor's Degree.		
@ Must complete entire series.		
Note: The Traditional BSNM program is impacted. The BSN program is intended for students who have not already completed an LVN or RN program. For information about the nursing options: www.csusm.edu/nursing/		

BACHELOR OF SCIENCE IN KINESIOLOGY

Option: Health Science

CSUSM	OCC	(09/17:A16-17)
Pre-Kinesiology Core Courses		
BIOL 104 or 160	No Equivalent Course or BIOL 220	
BIOL 177 & 178	BIOL 220 & 225	
KINE 202	No Equivalent Course	
Health Science Option		
CHEM 105/105L	CHEM 110	
KINE 200 & 201	HLED 112 & No Equivalent Course	
KINE 204	No Equivalent Course	
PSYC 100	PSYC 100(or 100H)	
Note: This program is impacted. Impaction criteria will apply. Applicants will be admitted as pre-kinesiology majors. Once core courses are completed, students may apply to the Kinesiology degree program.		

CHAPMAN UNIVERSITY (Orange)

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):

Anatomy/Physiology - BIOL 220(or 220H) & 225(or 225H) If combined anatomy/physiology, two semesters are required. Mammalian anatomy is not accepted. Coursework older than 5 years not accepted.

Biology I & II - BIOL 180(or 180H) & any other biology course with lab. Botany is not accepted and sequential courses are not required.

Chemistry I & II - CHEM 180 & 185 Introductory course not accepted.

Physics I & II - PHYS 120 & 125 **or** 130 & 135 Introductory course not accepted.

Social/Behavioral Science - one course

Statistics - MATH 160

Note: Unless otherwise indicated, all prerequisite courses must have been taken within the last 10 years. A course taken Pass//Credit will be converted to a "C". Courses receiving AP credit may fulfill prerequisite requirements.

09/17:W03/17)

UNIVERSITY OF THE PACIFIC

DOCTOR OF PHARMACY

Articulation Agreement Link: <http://www.pacific.edu/Admission/Graduate-Professional/Pharmacy/Transferable-courses-from-your-school/Orange-Coast-College.html>

LOMA LINDA UNIVERSITY

BACHELOR OF SCIENCE IN DENTAL HYGIENE

BACHELOR OF SCIENCE IN NURSING

BACHELOR OF SCIENCE/MASTER'S DEGREE IN OCCUPATIONAL THERAPY

BACHELOR OF SCIENCE/MASTER'S DEGREE IN PHYSICAL THERAPY

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 are available at: www.llu.edu/assets/alliedhealth/documents/tp/orange.pdf

To review information regarding a specific program, please go to:
<http://www.llu.edu/explore/step1.html>

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 are available at: <http://www.llu.edu/assets/alliedhealth/documents/tp/orange.pdf>

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

DOCTOR OF CHIROPRACTIC

MASTER OF ACUPUNCTURE AND ORIENTAL MEDICINE

To review information regarding a specific program, please go to: <http://www.scuhs.edu/>

MARSHALL B. KETCHUM UNIVERSITY SOUTHERN 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 articulation agreement with Orange Coast College here: www.ketchum.edu/img/uploads/admissions/articulation/OrangeCoastCollege.pdf

SOUTH BAYLO UNIVERSITY

MASTER OF SCIENCE AND DOCTORATE OF ACUPUNCTURE AND ORIENTAL MEDICINE ACUPRESSURE AND TUINA MASSAGE CERTIFICATE PROGRAM

For admissions information, please go to: http://www.southbaylo.edu/web2/ca/admissions/admission_policy.htm

UNIVERSITY OF SOUTHERN CALIFORNIA

Note: Students may fulfill four of the six required GE requirements with transfer courses taken before starting USC (see USC GE requirements). Credit for courses is not granted if (1) the course is taken before high school graduation, (2) the grade is lower than C-, (3) is a lab science or foreign language course and is not taken in a traditional classroom setting, (4) is offered through “study abroad”, (5) repeats credit from another college course or from an AP or IB exam.

BACHELOR OF SCIENCE IN DENTAL HYGIENE

USC	OCC	(09/17:W03/17)
General Education		
WRIT 130	ENG 101 (or 101H) or 102 (102H)*	
Global Perspectives	ANTH 150 or PSCI 110 or SOC 150	
Traditions & Historical	One course from: ARCH 290(or 290H), 296(or 296H), ART 100(or 100H), 101(or 101H), 103, ENGL 176(or 176H), HIST 141, 161(or 161H), 162(or 162H), 170(or 170H), 175(or 175H), 180(or 180H), 185(or 185H), PHIL 125, PSCI 188, RLST 110, 140, 150, THEA 101	
Prerequisite Coursework		
English Composition	ENGL 100 & any transferable English course	
Introduction to Sociology	SOC 100(or 100H)	
General Physiology	BIOL 225(or 225H)	
General Microbiology	BIOL 210	
General Nutrition	FN 170	
General Psychology	PSYC 100(or 100H)	
Introduction to Speech	CMST 110	
General Chemistry w/lab	CHEM 180 & 185	
General Biology w/lab	BIOL 100 or 180(or 180H)	
General Anatomy w/lab	BIOL 220(or 220H)	
*Course must be taken for a letter grade.		
<p>Note: Applications should be filed well in advance of the February 1st deadline and must include official transcripts from all schools attended. Two applications are required - one to USC (common application) and one to the School of Dentistry. All prep coursework must be from an accredited college/university in the US. No foreign coursework will be accepted. Prerequisite courses must be completed with a letter grade of “C” or better. Online coursework may be used to satisfy GE/prerequisite coursework, however no lab coursework may be completed online. Technical/vocational related courses will not be accepted. Dental Hygiene curriculum begins in August.</p>		
<p>Admissions Requirements Link: https://dentistry.usc.edu/programs/dental-hygiene/admission-requirements/ Application Information Link: http://dentistry.usc.edu/programs/dental-hygiene/how-to-apply/</p>		

MASTER OF ARTS IN OCCUPATIONAL THERAPY

USC	OCC	(10/14:W03/16)
Prerequisites: Must be completed within the last five years with a grade of “C” or better and a cumulative GPA of 3.0 in all prerequisites from an accredited college/university		
Human Anatomy w/lab & Physiology	BIOL 220(or 220H) & 225(or 225H)	
Developmental Psych or Human Development	PSYC 140 & 150	
Abnormal Psychology	PSYC 225	
General Sociology or Social/Cultural Anthropology	SOC 100(or 100H) or ANTH 100(or 100H)	
Introductory Statistics	MATH 160(or 160H) or PSYC 160	
Medical Terminology	ALH 111	
Requirements for Admission		
<ol style="list-style-type: none"> Complete a BA degree with a minimum cumulative GPA of at least 3.0 from an accredited college or university, Complete GRE within the last five years with a minimum score of 153 (verbal), 144 (quantitative), and 3.5 (analytical writing). Submit three letters of recommendation from professors, therapists and/or other professionals familiar with your capabilities/achievements. Submit a personal statement (600 words or less) describing how your unique background and perspective enrich our program and the profession of occupational therapy. Describe the vision you have for yourself as an occupational therapist and how USC will provide a means to get there. It is recommended to upload a resume through the OCTAS with your application. 		
		Continued

5. Students from non-English speaking countries and non-citizens with permanent residency must submit TOEFL or IELTS scores. Students need verification of these scores within two year of intended enrollment. Computer based TOEFL score of 90 with no less than 20 on each sub-score or IELTS of 6.5 with no less than 6 on each band score.

Application Procedures

Read web page carefully and print application checklist. Submit an application through both the Centralized Application Service for Occupational Therapy (OTCAS) and USC Graduate Admissions. Submit USC application and requested materials at least three weeks before the departmental application deadline to allow for processing. Official transcripts and letters of recommendation will be submitted to OTCAS and may take up to four weeks to process. Send GRE test score report to both USC Office of Admissions and to the Division. Official transcripts go to both USC Office of Admissions and OTCAS. Visit the FAQ page at: <http://chan.usc.edu/admissions/faqs>

Note: Early decision applications are due by November 30th and student will enroll if admitted. Those not admitted early will be carried over to the February 15 deadline (currently extended through May 15) for the program beginning in June. Applications after these dates will be processed on a space available basis. Online courses are accepted, except for anatomy. Grades of credit/no credit will not be accepted (unless course is only offered on credit/no credit basis).

USC does not require background checks, drug testing or fingerprinting for admission, however an increasing number of health care facilities require USC students to provide this and other information in order to participate in clinical rotations at their sites. Applicants admitted to the program will be required to complete certain health clearances prior to enrolling.

DOCTOR OF PHARMACY

Completion of a Bachelor's degree with a minimum cumulative GPA of 3.0 in all college work and prerequisite courses from an accredited two- or four-year college or university to include:

Required prerequisites for admission

Calculus	MATH 180
Statistics	MATH 160
General Chemistry	CHEM 180 & 185
Organic Chemistry	CHEM 220/220L & 225/225L+
General Biology	BIOL 180 & either 182/182L or 185
Microbiology	BIOL 210+
Human Physiology	BIOL 225+
Biochemistry	No Equivalent Course+
Communication**	CMST 100 or 110
English Composition & Literature**	ENGL 100 & either 101 or 102 or 109

Recommended prerequisites

Molecular Biology	No Equivalent Course
Physics*	PHYS 120, 125, 130, 135, 185 or 280
Microeconomics	ECON 170
General Psychology or Sociology	PSYC 100 or SOC 100

*It is recommended that physics course include thermodynamics and electromagnetism

**Not required for applicants who have a bachelor's degree from US university.

+Courses must be repeated if they are nine years or older at the time of application.

Note: Admits are for the fall semester only. All pre-pharmacy required courses must be completed with a letter grade of "C" or higher by end of the spring term prior to fall entry. Distance Learning/Online courses will not be accepted in chemistry, biology and physics. Grades of credit/no credit will not be accepted (unless course is only offered on credit/no credit basis). Courses must be completed by the end of the spring term of the year you are entering.

USC does not require background checks or drug testing for admission, however many the facilities affiliated require USC students to provide drug testing/urine testing for student placement at their sites. Supplemental application deadline is November 1. A resume and three letters of recommendation are required with your PharmCAS application. One letter from a science professor with whom you took a class and/or did research and the remaining two letters from professors, advisors, researchers, pharmacists or employers. An interview process consisting of an oral interview and writing test is used to make determinations on admissions. Holders of foreign visas are not eligible for the PharmD degree program. Visit the FAQ page at: <https://pharmacyschool.usc.edu/programs/pharmd/pharmdprogram/admission/faq/>

MASTER OF SCIENCE IN PRIMARY CARE PHYSICIAN ASSISTANT PROGRAM

USC

OCC

(11/05:W03/17)

Admission to the program requires the completion of a Bachelor's degree from an accredited institution in any subject and the completion of required prerequisites with letter grade of "C" or better and a minimum cumulative GPA of 3.0. AP credit is not accepted; online courses are not accepted. Distance learning courses are accepted provided they are equivalent in all dimensions (including lab requirements) to course taught in "traditional" settings and are from regionally accredited institutions. Non-science prerequisites must be completed by the spring semester prior to fall enrollment, but no more than two non-science prerequisite courses may be in progress in the spring following the November 1st application deadline. Applicants are strongly encouraged to attend an informational session.

Prerequisite coursework

General Biology w/lab*	BIOL 181 & 182/182L or 181 & 185
General Chemistry w/lab*	CHEM 180 & 185
Human Anatomy & Physiology w/lab*	BIOL 220 & 225
General Microbiology w/lab*	BIOL 210
Statistics	MATH 160 or PSYC 160
English Composition & Critical Thinking or Logic**	ENGL 100 & either 101 or 102 or PHIL 150
General Psychology	PSYC 100
Foreign Language	One Year of SPAN 180 & 185

Strong competency in medical terminology

*All science prerequisites must be completed by the end of the fall semester the year prior to enrolling with a minimum GPA of 2.75 and within 10 years of application to the program; exceptions may be granted on an individual basis;

**Required of international applicants only.

Admissions Procedures

Only applicants who submit completed applications by November 1st and complete the prerequisites and BA degree requirements by June 30 of the year of enrollment will be considered for entry. Two applications are required - one to the Central Application Service for Physicians Assistants (CASPA) by 11/1 and one to USC. It is strongly recommended that applicants complete and submit both applications including all supporting documents by 9/1 for early consideration (keep copies of your submission for your records).

Applicants are required to take either the GRE or MCAT exam within five years of the application deadline. Applicants must earn a combined Quantitative and Verbal GRE score of no less than 1,000 (older exam) or 295 (newer exam). If there are multiple exams, all scores must be submitted - the best scores are used in calculating total scores.

The following supporting documents are required (if applicable): Copies of certificates and current licenses as evidence of medical training; copies of Form DD-214 as evidence of honorable discharge; and unofficial transcripts reflecting all undergraduate coursework.

Hands-on, paid patient care clinical experience is preferred. Successful applicants often have worked as EMTs, licensed vocational nurse, medical assistant (back office) medical scribe, technologist, military medical corpsman, nursing assistant, paramedic, psych and radiologic technicians, respiratory therapist, chiropractor, and registered nurses. Shadowing a physician assistant in a clinical setting is strongly recommended. The average applicant has 1-2 shadowing experiences.

Community service activities/projects are expected of all applicants. Service which benefits medically underserved/disadvantaged groups is highly desirable.

Three letters of reference are required, with a maximum of 5 letters allowed. (not from personal friends and/or family members). Letters must be submitted directly to CSPA and postmarked on or before November 1st. After an initial screening/assessment of applications, a portion of the applicants are invited for an interview.

Accepted candidates are required to meet the program's Technical Standards (physical/psychological competencies of performance), as well as maintain evidence of current health status and immunizations.

Note: Admission in Fall only and is highly selective. Transfers are not accepted. Every applicant admitted will be required to complete the full Master of Physician Assistant Practice curriculum in residence at USC. For more information visit the department website at: www.usc.edu/pa or call (626) 457-4247.

Visit the FAQ page at: <http://keck.usc.edu/physician-assistant-program/admission/frequently-asked-questions/>

WESTERN UNIVERSITY OF HEALTH SCIENCES

MASTER OF SCIENCE IN PHYSICIAN ASSISTANT STUDIES

<http://prospective.westernu.edu/physician-assistant/requirements-14/>

DOCTOR OF PHARMACY

<http://prospective.westernu.edu/pharmacy-pharmd/requirements-13/>

DOCTOR OF PHYSICAL THERAPY – ENTRY

<http://prospective.westernu.edu/physical-therapy-e/requirements-22/>

DOCTOR OF PHYSICAL THERAPY – ADVANCED

<http://prospective.westernu.edu/physical-therapy-a/requirements-21/>

DOCTOR OF VETERINARY MEDICINE

<http://prospective.westernu.edu/veterinary/requirements-17/>

ADDITIONAL AGREEMENTS ARE AVAILABLE ON THE INTERNET FOR THE FOLLOWING SCHOOLS AT:

www.assist.org

Campus	Campus
UC San Diego (Global Health)	CSU Bakersfield (Nursing)
CSU Channel Islands (Health Science, Nursing)	CSU Chico (Health Science, Nursing)
CSU Dominguez Hills (Health Science, Nursing)	CSU East Bay (Health Science, Nursing)
CSU Fresno (Health Science, Nursing)	Humboldt State University (Nursing)
CSU Los Angeles (Nursing)	CSU Monterey Bay (Nursing)
CSU Northridge (Health Administration, Nursing)	CSU Sacramento (Health Science, Nursing)
CSU San Bernardino (Health Science, Nursing)	San Jose State University (Health Science, Nursing, Occupational Therapy)
CSU Stanislaus (Nursing)	San Francisco State (Health Education, Nursing)
Sonoma State (Nursing)	