



September
2008

California Postsecondary Education Commission

Program Planning and Review to Promote Responsiveness to Public Needs, 2007–08

State law directs the Commission to review and comment on the need for new degree and certificate programs proposed by the public higher education systems.

This annual report provides a summary of program planning and review activities conducted by the Commission during the 2007–08 academic year. Several recommendations are discussed that will enable the Commission to better meet and respond to its statewide statutes and obligations regarding academic and vocational program review. The report was submitted as an information item in June 2008 to allow sufficient time for the higher education systems and legislative and state entities to review the analysis and recommendations.

Contents

Recommendations.....	1
2007 Program Review Recommendations	1
The Commission's Statutory Responsibilities	2
Discussion of Recommendations	3
Programs Proposed by UC.....	4
Programs Proposed by CSU	5
CCC Program Planning	7
Appendices.....	9

The Commission advises the Governor and the Legislature on higher education policy and fiscal issues. Its primary focus is to ensure that the state's educational resources are used effectively to provide Californians with postsecondary education opportunities. More information about the Commission is available at www.cpec.ca.gov.

Commission Report 08-15

Recommendations

To more effectively meet its statutory responsibilities pertaining to program review, the Commission recommends that:

1. The Program Review Advisory Committee, made up of representatives designated by each segment, assist staff in developing a methodology that connects institutional program planning across higher education systems to emerging societal and workforce educational needs. Prioritization of identified needs will help ensure that regardless of economic and fiscal conditions, the State will direct resources and funds to programs that yield measurable public benefits.
2. Starting in 2009, and annually thereafter, Commission staff convene a panel of faculty and academic planning administrators to identify and discuss issues pertaining to emerging workforce and societal program needs, innovation and scientific discovery, and instructional and pedagogical practices that enhance student learning, training, and knowledge acquisition. University and community college faculty and program planning administrators will be drawn from broad discipline areas of the physical sciences, biological sciences, health sciences, social sciences, humanities, professional studies, and education.

2007 Program Review Recommendations

In June 2007, the Commission adopted Report 07-13 (Program Planning and Review to Promote Responsiveness to Public Needs, 2006–07) that contained the following three recommendations:

1. Criteria and expectations related to social need are to be described more fully in the Commission's Program Review Guidelines.
2. Greater staff consideration is to be given to the development of statewide and regional long-range program plans that will benefit the Legislature and California's public and private higher education systems.
3. Specific procedures are to be established for assessing the extent to which adult continuing education needs are being met.

Commission staff are in the process of implementing the above recommendations. The 2008 recommendations highlight two prospective features of statewide program planning: (1) a methodology that connects institutional planning to emerging societal needs on a statewide basis, and (2) the involvement of university and college faculty in the statewide program planning process.

The Commission's Statutory Responsibilities

The Commission's statutory responsibility for reviewing new degree and certificate programs proposed by the state's public higher education systems is expressed in California Education Code sections 66903–66904. The Legislature, the Administration, and the Legislative Analyst's Office consider the review of proposals for new degree and certificate programs to be among the most important of the Commission's responsibilities.

The Commission assesses undergraduate and graduate proposals on the basis of how well they comply with the following seven program review criteria:

- Societal need
- Student demand
- Appropriateness to institutional mission
- Number of existing and proposed programs in the field
- Total program costs
- Maintenance and improvement of quality
- Advancement of knowledge

More details on these criteria are in Appendix A.

The review process is intended to help ensure that state operational and capital funds to support new degree and certificate programs are spent wisely and that new programs will produce desirable educational outcomes while contributing to societal betterment. Although each public, independent, and private higher education system in California has a unique mission and social purpose, the systems are united in a fundamental way: each aims to enhance the intellectual, technical, and creative capacity of its students. Because advanced knowledge — scientific, technical, and procedural — tends to be organized by fields of study and delivered to students through specific programs, the ultimate successes and benefits of the state's higher education enterprise rest with the quality and breadth of institutional degree and certificate programs.

Discussion of 2008 Recommendations

Program Planning and Prioritization

The Commission recommends that its Program Review Advisory Committee assist staff in developing a methodology that connects institutional program planning across higher education systems to emerging societal and workforce educational needs. Prioritizing identified needs will help ensure that regardless of economic and fiscal conditions, the state will direct resources and funds to programs that yield measurable public benefits. The staff shall report to the Commission on the proposed methodology recommended by the advisory committee for discussion and concurrence.

Rationale

Although public colleges and universities prioritize their plans for new academic and vocational programs, no state-level methodology connects institutional program planning across systems to emerging societal and workforce needs. Consistent with its statutory responsibility, the Commission reviews the academic and vocational plans of the public higher education systems, and comments on the need for individual programs based on its review criteria (see Appendix A). What is needed, however, is a more dynamic methodology that will enable the Commission to alert the Governor, Legislature, and other educational policy entities of broad areas of societal and workforce educational needs, and an informed estimate of the operational and capital costs that would be required in the near-term to meet those needs through the development of degree and certificate programs. The Commission intends to seek guidance and advice from the public higher education systems in developing the methodology.

Over the next several years, fewer tax dollars will be available to the higher education systems to support academic and vocational program expansion, so it is even more crucial that a statewide program planning mechanism be put into practice. Prioritization of societal educational needs will help ensure that regardless of economic conditions, the state will fund programs that yield measurable public benefits. Prioritization as a planning tool will assist the Commission in meeting its statutory obligation pertaining to the effective use of education resources, while helping to protect the State against unnecessary duplication in program development (Ed. Code 66900 c(3)).

The Commission acknowledges the possibility that when state funding is tight, it might recommend to the public systems and the Administration that priorities be established when implementing programs and that lower priority programs be deferred until economic circumstances are more favorable. The Commission may recommend deferring programs until resources needed for start-up and operations are identified.

Faculty Program Review Subcommittee

The Commission recommends that starting in 2009, and on an annual basis thereafter, staff convene a panel of faculty and academic planning administrators to identify and discuss issues pertaining to emerging workforce and societal program needs, innovation and scientific discovery, and instructional and pedagogical practices that enhance student learning, training, and knowledge acquisition. University and community college faculty will be drawn from broad discipline areas of the physical sciences, biological sciences, health sciences, social sciences, humanities, professional studies, and education, as identified by the segments. The subcommittee will be balanced in its representation from faculty of all higher education systems. In addition, each segment will be asked to identify an administrator with expertise in academic planning to serve on the subcommittee.

Rationale

As part of the review process, Commission analysts relate the intended instructional outcomes of a proposed program to the academic, societal, and labor market needs that a program is intended to address. The Commission's Intersegmental Program Review Advisory Committee, which consists of administrators and analysts of the public and private systems, has been very helpful in clarifying intended goals of individual proposals, and a biannual faculty program forum would offer forward-thinking insights and sophistication to a state-level program planning process.

The primary purpose of the forums would not be to comment on individual program proposals, institutional content or curriculum, but rather to assist the Commission in conceptualizing the range of societal, workforce, and world problems that can best be addressed through advances in particular knowledge domains. Such forums would focus on issues pertaining to emerging workforce and societal program needs, innovation and scientific discovery, and instructional and pedagogical practices that enhance student learning, training, and knowledge acquisition. University and community college faculty will be drawn from broad discipline areas of the physical sciences, biological sciences, health sciences, social sciences, humanities, professional studies, and education. White papers would be prepared and disseminated to relevant constituency groups, including the Governor and his Administration, members of the legislature, the Legislative Analyst's Office, and the Department of Finance.

Programs Proposed by the University of California

Display 1 shows the 11 program proposals received from UC during the 2007–08 reporting period. Overall, the proposals emphasize UC's continued desire to expand programs in the physical and health sciences to better address the burgeoning technological and health care needs of the state. The Commission concurred with recommendations to establish seven programs. The remaining four proposals were received in April 2008 and are under review by Commission staff. This latter program group includes proposals to establish a medical school and a public policy school at UC Riverside, and a nursing school and a public health school at UC Davis. Although the state's health care needs are generally well documented, such programs have substantial operational and capital costs. Commission staff will use 60 days, the maximum amount of time suggested in legislation, to conduct its need analyses.

Display 1 New Graduate Programs Proposed by UC, June 2007 through May 2008

Campus	Discipline Area	Program	Degree	Review Month
Davis	Health Sciences	School of Nursing	M.S.N./Ph.D.	Under review
	Health Sciences	School of Public Health	M.P.H.	Under review
	Social Science	Environmental Policy	M.S.	July 2007
Irvine	Health Science	Public Health	M.P.H.	February 2007
	Health Science	Nursing	M.S.	March 2008
Riverside	Humanities	Music	Ph.D.	June 2007
	Medicine	School of Medicine	M.D.	Under review
	Social Sciences	School of Public Policy	M.P.P./Ph.D.	Under review
Santa Barbara	Humanities	Feminist Studies	Ph.D.	January 2008
	Health Sciences	Global Health	M.S.	March 2008
Santa Cruz	Humanities	Visual Studies	Ph.D.	July 2007

Long-Range Program Plans of the University of California

UC's five-year program plans for 2008–2013 have been grouped by Commission staff into seven general discipline areas, as shown in Display 2 (a complete list is shown in Appendix B). A taxonomy showing the Commission's assignment of individual programs to these discipline areas is shown in Appendix C. Nearly one-third of the proposed programs are in physical sciences. These include programs in engineering, bioengineering, computer science, mathematics and statistics, architecture, physics, chemistry, and environmental science.

Many UC campuses are developing innovative interdisciplinary programs. For example, UC Berkeley has proposed programs in public health and engineering, and in public health and journalism. Others are a UC San Diego program in engineering and sociology, and a UC Irvine program in psychology and law. About 22% of UC's planned program expansions are in the humanities. CSU is also planning to add numerous new programs in the humanities, as shown in Display 2. Example areas of study are delineated in the section on CSU's long-range program planning.

The Commission, in consultation with UC, is analyzing UC's five-year program plan in relation to the academic, societal, and labor market needs of the state.

Display 2 UC's Five-Year Program Plans by General Discipline Area, 2008–13

General Discipline Area	Number	Percent
Physical Sciences	72	28.8%
Humanities	56	22.4
Health Sciences	37	14.8
Professional Studies	31	12.4
Social Sciences	29	11.6
Biological Sciences	19	7.6
Education	6	2.4
Total Proposed	250	100.0

Programs Proposed by the California State University

CSU's long-range program plans for the ten-year period of 2008–09 to 2017–18 include 71 bachelor's and master's degree programs for which the CSU Board of Trustees granted planning authorization in March 2008. Planning authorization means that campuses can proceed with developing a program proposal (see Appendix D).

Display 3 shows proposed graduate programs that Commission staff have grouped into the seven general discipline areas. Over 40% are in the physical sciences and professional studies. Labor market data, and studies pertaining to the research and development needs of the state and nation, confirm a need for highly skilled professionals and researchers in these areas.

The CSU long-range plans, similar to the UC plans, acknowledge the critical role the humanities play in supporting the needs of a modern, enlightened American society that values creative and intellectual thought, expression, and diversity.

CSU and UC expansion plans in the humanities include programs in law and philosophy, museum studies, media and cultural studies, art history, theatre,

Display 3 CSU Ten-Year Graduate Programs Planned

General Discipline Area	Number	Percent
Physical Sciences	40	23.3%
Professional Studies	33	19.2
Humanities	31	18.0
Education	22	10.5
Biological Sciences	18	8.6
Social Sciences	16	9.3
Health Sciences	12	7.0
Total Proposed	172	100.0

dance, African American studies, Middle Eastern studies, Latin American and Latino studies, linguistics, religious studies, screenwriting, applied multicultural studies, applied ethics and communications, and transnational feminist studies. During the remainder of the year, Commission staff will assess CSU graduate plans in greater depth, and will review individual graduate program proposals as they are submitted by the CSU Chancellor's Office.

CSU undergraduate programs are not subject to Commission review if all of the following conditions are met:

- The campus will not have to acquire significant resources for the program to reach a cost-effective level of operation, or there is demonstrated capacity to fund the program from existing resources.
- The program can be housed adequately without the expenditure of major capital outlay funds.
- The program is consistent with all existing state and federal laws and trustee policies.
- The program is a bachelor's or master's degree program.
- The proposing campus and the Chancellor's office will review the program thoroughly.

During the reporting period, all of the CSU undergraduate proposals met the above criteria, and therefore, were reviewed by Commission staff for information purposes only.

CSU Joint Doctorates

As noted in last year's annual report, Senate Bill 724 (Scott, 2005) authorized CSU to award the degree of Doctor of Education (Ed.D.). The intent of Ed.D. programs is to prepare leaders and administrators to participate more effectively in school reform efforts and to enable them to formulate administrative practices that lead to improvements in K-14 instruction and learning. During the 2006–07 academic year, Commission staff reviewed and commented on seven education doctorate proposals submitted by CSU. Staff is reviewing similar Ed.D. programs proposed by CSU East Bay and CSU Northridge. Earlier in 2008, the Commission concurred with the recommendation to establish an Ed.D. program at CSU Stanislaus.

Although California's 1960 Master Plan for Higher Education reaffirmed UC as the primary system for doctoral training and education, CSU is steadily increasing its role in doctoral education. The CSU system is doing this through legislation and by developing joint doctoral programs with UC and independent universities. Partnerships with independent universities require Commission approval. Display 4 lists CSU doctoral programs that are at various stages of planning and development.

Although the Commission supports joint doctoral programs when societal and labor market needs are clearly substantiated and demonstrated, it is felt that much more thought needs to be given to the roles of the public and independent systems in meeting the doctoral needs of the state. The Commission believes that it is not the best use of scarce resources to establish joint doctoral programs, only to have them dismantled when programmatic issues emerge among the systems.

Display 4 Proposed CSU joint doctoral programs

Program	CSU campus	Partner
Ph.D. Programs		
Bioengineering	San Diego	UC San Diego
Structural Engineering	San Diego	UC San Diego
Electrical and Computer Engineering	San Diego	UC San Diego
Geophysics	San Diego	Scripps Institute, UC San Diego
English and Children's Literature	San Diego	UC Riverside
Earth Sciences	San Diego	
Evolutionary Biology	San Diego	UC Riverside
Information Systems ^a	San Diego	Claremont Graduate University
Hearing Science	San Diego	UC San Diego
Communication ^a	San Diego	Fielding Graduate Institute
Social Work ^a	San Diego	University of Southern California
Forensic Sciences	Los Angeles	To be determined
Professional Doctorates		
Ed.D. in Special Education	San Diego	UC San Diego
Doctor of Nursing Practice ^b	Los Angeles	To be determined
Doctor of Physical Therapy	Northridge	UC San Francisco
MBA/JD Business Administration and Law	Northridge	To be determined

a. Partnerships with independent universities require approval by the Commission.

b. Senate Bill 1288 (Scott) would give CSU the authority to award its own Doctor of Nursing Practice degree.

California Community College Program Planning

California's community college system serves more than two million students and awards more than 90,000 degrees and certificates annually in over 320 academic and vocational programs.

An agreement between the Commission and the Chancellor's Office beginning in 2003 provides that proposals for new programs are not subject to review unless they meet one of the following criteria:

- The program is the first of its type.
- The program involves intersegmental collaboration in the way it is offered.
- The program requires new facilities, major renovation to existing facilities, or an expenditure of more than \$100,000 in district and state funds for equipment.
- The program requires joint-use facilities.

- The program involves more than one community college district or has substantial impact on other districts.
- Other programs of an exceptional nature as agreed upon by the Commission and the Chancellor’s Office, particularly those delivered using innovative methods such as Internet learning.

As shown in Display 5, six vocational and career technical program proposals were submitted for review during the 2007–08 academic year. The Commission concurred with the recommendation to establish each of these programs.

Unlike the CSU and UC systemwide offices, the Chancellor’s Office does not prepare long-range program plans. Program planning and development is delegated primarily to the 72 community college districts. The Chancellor’s Office produced a System Strategic Plan in consultation with the districts and external stakeholders and partners. It includes such elements as curriculum and program development, and economic and workforce planning.

The premise underlying curriculum and planning development is that the demands of an ever-changing business and economic environment require employers and students to have access to timely, relevant, and high-quality training programs.

The premise underlying economic and workforce planning is that community colleges must be able to identify long-range trends.

The community colleges’ plan includes strategies for ensuring high standards and academic rigor, and ways to ensure that community colleges have the capacity to analyze local, state, and regional economic trends in order to identify and support emerging career clusters. Commission staff is assessing the 2008 strategic plan update.

**Display 5 Community College Program Proposals
Review by the Commission, 2007–08**

Campus	Program
San Diego Miramar	Military Leadership
Butte College	Law Enforcement, Fish & Game emphasis
Taft College	Direct Support Education
San Mateo	Dental Hygiene
Saddleback College	Rapid Digital Manufacturing
Antelope Valley College	Radiologic Technology

Appendix A The Commission's Program Review Principles and Guidelines, June 2006

Although each public higher education system in California has a unique mission and social purpose, the systems are united in a most common and fundamental way: each aims to enhance the intellectual, technical, and creative capacity of its student learners. Because advanced knowledge — scientific, technical, and procedural — tends to be organized by fields of study, and delivered to students through specific programs, the ultimate success and benefit of the state's higher education enterprise rests with the quality and breadth of institutional degree and certificate programs.

Legislative Mandate

Assembly Resolution 770, Statutes of 1974, established the California Postsecondary Education Commission as the statewide planning and coordinating agency for higher education, with specific mandated planning functions and responsibilities. Primary among the responsibilities given to the Commission is academic and vocational program review. In addition, the Commission is charged with reviewing and commenting on the need for new campuses and off-campus centers.

The Commission's program review responsibilities include the following:

- Review and comment on the long-range plans developed by the public higher education governing boards and make recommendations to the Legislature and Governor.
- Review and comment on the need for new academic, vocational, and certificate programs proposed by the public higher education systems and make recommendations to the Legislature and Governor.
- Evaluate and comment on the program review process of the public higher education systems.
- Identify societal educational needs and encourage institutional adaptability to change.
- Review periodically the availability of continuing education programs for adults and make appropriate recommendations.

The Commission developed a set of principles to guide the program review process. The principles are intended to: (a) safeguard the state against inefficiencies in the allocation of program resources; (b) help ensure that new programs will meet student and societal needs; and (c) ensure that programs are well conceived and that they will have desired educational and social consequences. As defined in statute, the Commission's role in the review process is primarily advisory. However, in the case of joint doctoral programs involving public and private institutions, the Commission has approval authority.

Recent enhancements to the Commission's review process include greater emphasis placed on the long-range plans of the systems so that staff can consider prospective programs five years in advance of implementation. This has enabled the Commission to alert the systems of potential planning concerns early in the review process before formal proposals are submitted.

Definitions

Academic and Vocational Programs: A series of courses arranged in a sequence leading to a degree or certificate.

Program Plan: A program plan contains, at a minimum, an inventory of the programs offered or projected to be offered by the campuses comprising a higher education system. Also included are proposed timetables for implementation and narrative descriptions of problem areas, program trends, and future needs. In general, plans are prepared for a five-year period and revised and updated annually.

Program Proposal: A document prepared by a campus that describes and justifies the need for a new degree or certificate program. The proposal must address each of the Commission's program review elements.

Program Review Council: An advisory body established to assist Commission staff in matters related to program review and academic planning. The Council consists of representatives from the three public higher education systems, the California Department of Education, and the Association of Independent California Colleges and Universities.

Principles and Guidelines, as Adopted June 2006

1. Student Demand

Within reasonable limits, students should have the opportunity to enroll in programs of study in which they are interested and for which they are qualified. Therefore, student demand for programs, indicated primarily by current and projected enrollments, is an important consideration in determining the need for a program.

2. Societal Needs

Postsecondary education institutions bear a responsibility for preparing students to meet the State's workforce and knowledge needs. Workforce demand projections serve as one indication of the need for a proposed program. Although achieving and maintaining a perfect balance between supply and demand in any given career field is nearly impossible, it is important nevertheless that the number of persons trained in a field and the number of job openings in that field remain in reasonable balance.

3. Appropriateness to Institutional and Segmental Mission

Programs offered by public institution within a given system must comply with the delineation of function for that system, as set forth in the state's Master Plan for Higher Education. Proposed new programs must also be consistent with the institution's own statement of mission and must be approved by the system's statewide governing body.

4. The Number of Existing and Proposed Programs in the Field

An inventory of existing and proposed programs, compiled by the Commission staff from the plans of all systems of postsecondary education, provides the initial indication of apparent duplication or undue proliferation of programs, both within and among the systems. However, the number of programs alone cannot be regarded as an indication of unnecessary duplication. This is because (a) programs with similar titles may have varying course objectives or content, (b) there may be a demonstrated need for the program in a particular region of the state, or (c) the program may be needed for an institution to achieve academic comparability within a given system.

5. Total Costs of the Program

The relative costs of a program, when compared with other programs in the same or different program areas, constitute another criterion in the program review process. Included in the consideration of costs are the number of new faculty required and the student/faculty ratios, as well as costs associated with equipment, library resources, and facilities necessary to deliver the program. For a new program, it is necessary to know the source of the funds required for its support, both initially and in the long run.

6. The Maintenance and Improvement of Quality

Protecting the public interest and trust requires that educational programs at all levels be high quality. Although the primary responsibility for the quality of programs rests with the institution and its system, the Commission, for its part, considers pertinent information to verify that high standards have been established for the operation and evaluation of the program.

7. The Advancement of Knowledge

The program review process encourages the growth and development of intellectual and creative scholarship. When the advancement of knowledge seems to require the continuation of existing programs or the establishment of programs in new disciplines or in new combinations of existing disciplines, such considerations as costs, student demand, or employment opportunities may become secondary.

Appendix B UC's Long-Range Program Plans

UNIVERSITY OF CALIFORNIA Proposed Degree Programs 2008 - 2013 BERKELEY

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Urban and Metropolitan Studies	B.A.	2
Information	B.S.	1
Materials Chemistry	B.S.	1
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Education Leadership (jt. w/ SFSU, CSU East Bay, SJSU)	Ed.D.	discontinue 2011
Professional Accountancy	M.P.Acc.	3
Accounting	M.S.	2
Epidemiology (w/ UCSF)	Ph.D.	1
Leadership in Early Childhood Studies	M.A.	1
Product Development	M.S.	1
Public Health/Engineering	M.P.H./M.S.	1
Public Health/Journalism	M.P.H./M.J.	1
Public Health/Nursing (concurrent with UCSF)	M.P.H./L.S.	1
Transnational Feminist Studies	M.A./ Ph.D.	1

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
DAVIS

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
(none for 2008 update)		
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Chemical Engineering (Jt. w/ Middle East Technical University, Turkey)	Jt. Ph.D.	3
Communication	Ph.D.	3
Ecology (formerly Plant Ecology) w/ CSU Chico	Jt. Ph.D.	3
Environmental Policy & Management	M.S.	3
Health Informatics	Ph.D.	2
Bioinformatics	M.S./Ph.D.	1
Community Development	Ph.D.	1
Computational Science & Engineering	M.S. & Ph.D.	1
Energy Graduate Group (formerly Energy, Systems, Technology, & Policy)	M.S. & Ph.D.	1
Family Nurse Practitioner/Physician Assistant Program	M.H.S.	1
Health Services in Family Nurse Practitioner (MPAS)	MPAS	1
Medical Speech/Swallowing	Ph.D.	1
Nursing	M.S.	1
SCHOOLS and COLLEGES		
School of Nursing		4
School of Public Health		4
Graduate School of the Environment		2

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
IRVINE

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Business Administration	B.A.	3
Business Information management	B.S.	3
History Subject Matter Preparation	B.A.	3
Korean Language & Culture	B.A.	3
Biotechnology	B.S.	2
Chinese Studies	B.A.	2
Engineering Design Software	B.S.	2
Latin	B.A.	2
Legal Studies	B.A./M.A.	2
Literary Journalism	B.A./M.A.	2
Nursing Science	B.S.	2
Statistics	B.A.	2
Bioinformatics	B.S.	1
Information & Computer Science	B.A.	1
Exercise & Rehabilitation Medicine	B.A.	1
Urban Studies	B.A.	1
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Public Health	M.P.H.	4
Information & Computer Science & Business Administration	M.B.A./M.S.	3
International Studies	M.A.	3
Molecular Medicine & Therapeutics	Ph.D.	3
Public Policy	M.P.P.	3
African American Studies	M.A.	2
Clinical Sciences	M.S./Ph.D.	2
Criminology, Law & Society	Ph.D.	2
Engineering Design Software	M.S./Ph.D.	2
Environmental Health	Ph.D.	2
Informatics	M.S./Ph.D.	2
Medical Social Sciences	M.A.	2
Nursing Practice, Doctor of	D.N.P.	2
Nursing Science	M.S./Ph.D.	2
Pharmaceutical Sciences	M.S./Ph.D.	2
Political Consultancy & Government Relations	M.A.	2
Spanish	M.A.	2
The Americas	M.A.	2
Business Administration Master's & J.D.	M.B.A./J.D.	1
Computer Science and Engineering	M.S./Ph.D.	1
Environmental Engineering	M.S./Ph.D.	1
Epidemiology	M.S./Ph.D.	1
Exercise Science & Rehabilitation Medicine	M.S./Ph.D.	1
Master's of Art in Teaching w/ Biological Sciences	M.A.T.	1
Mathematics, Computational & Systemic Biology (MCSB)	Ph.D.	1
Mathematics, Computational & Systems Biology	Ph.D.	1
Physical Therapy (w/ CSU Long Beach)	D.P.T.	1
Psychology & Law	M.A./Ph.D.	1
Public Health & M.D.	M.P.H. & M.D.	1
Software Engineering	M.S./Ph.D.	1
Software Engineering (ICS)	M.S./Ph.D.	1
Urban Planning	M.A./J.D.	1
SCHOOLS		
School of Education		1
School of Nursing Science		1
School of Public Health		1

1 suggested for list

2 department review

3 campus administration review

4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
LOS ANGELES

DRAFT

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Armenian Studies	B.A.	2
Complex Human Systems	B.A.	2
Computational & Systems Biology	B.S./M.S.	3
Music	B.M.	2
Social Complexity	B.A.	2
Dance	B.A.	2
Art	B.F.A.	1
Art	B.F.A.	1
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Bioinformatics	M.A./Ph.D.	4
Nursing Administration	M.S.N.	3
Chicana/Chicano Studies	M.A./Ph.D.	2
Geographical Information Systems	MSGIS	2
Health Education & Promotion	M.P.H.	2
Healthcare Management & Policy	M.P.H.	2
Translational Research	Ph.D.	2
Afro-American Studies	Ph.D.	1
Applied Statistics	M.S.	1
Applied Statistics	M.S.	1
Asian American Studies	Ph.D.	1
Communication Studies	M.A.	1
Design & Media Studies	Ph.D.	1
Electronic Arts	M.S.	1
Law & Medicine	J.D./M.D.	1
Law & Philosophy	J.D./M.A.; J.D./Ph.D.	1
Museum & Curatorial Studies	M.A.	1
Public Administration (school-wide)	E.M.P.A.	1
Risk Management	M.S.	1
Systems Engineering	M.S.	1
Teaching of Statistics	M.S.	1

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
MERCED

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Anthropology	B.A.	3
Electrical Engineering	B.S.	3
Global Arts	B.A.	3
Aerospace Engineering	B.S.	1
Art Studies	B.A.	1
Chemical Engineering	B.S.	1
Civil Engineering	B.S.	1
Comparative Ethnic & Cultural Studies	B.A.	1
Engineering Economics & Management	B.S.	1
Entrepreneurship	B.A.	1
Global Studies	B.A.	1
Integrative Biology	B.S.	1
Management of Technology	B.S.	1
Sociology	B.A.	1
Spanish	B.A.	1
Spatial Analysis	B.S.	1
World Heritage	B.A.	1
GRADUATE PROGRAMS		
Aerospace Engineering	M.S./Ph.D.	1
Anthropology	M.A./Ph.D.	1
Biochemistry, Molecular/Cell Biology	M.S./Ph.D.	1
Chemical Engineering	M.S./Ph.D.	1
Chemistry	M.S./Ph.D.	1
Civil Engineering	M.S./Ph.D.	1
Cognitive Science	M.S./Ph.D.	1
Critical Studies	Ph.D.	1
Economics	M.A.	1
Electrical Engineering	M.S./Ph.D.	1
Engineering Economics & Management	M.S./Ph.D.	1
History	M.A./Ph.D.	1
Literature	M.A./Ph.D.	1
Management	M.S./Ph.D.	1
Museum Studies	Ph.D.	1
Physics	M.S./Ph.D.	1
Political Science	M.S./Ph.D.	1
Psychology	M.S./Ph.D.	1
Security Studies	M.A./M.S.	1
Sociology	M.S./Ph.D.	1
SCHOOLS		
Gallo School of Management		1
School of Medicine		1

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
RIVERSIDE

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Engineering (combined 5-year program)	B.S./M.S.	3
Business Administration: integrated 5-year program	B.S./M.B.A.	2
Bioengineering	B.S.	2
Foreign Languages/Administrative Studies	B.A.	2
Civil & Construction Management Program	B.S.	1
Digital Arts (Art & Engineering)	B.S.	1
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Management	M.S./Ph.D.	4
Environmental Sciences	M.S./Ph.D.	3
Evolution, Ecology & Organismal Biology (Jt. w/	Ph.D.	3
Materials Science & Engineering	M.S.	3
Public Policy	M.A./Ph.D.	3
Accounting	MAcc	2
Astrophysics	M.S./Ph.D.	2
Engineering	M.Eng.	2
Engineering Management	M.S.	2
Executive Master of Business Administration	M.B.A.	2
History of Art	Ph.D.	2
Linguistics	Ph.D.	2
Media & Cultural Studies	M.A./Ph.D.	2
Women's Studies	M.A./Ph.D.	2
English & Children's Literature (Jt. w/ SDSU)	Ph.D.	1
Theatre	M.A.	1
SCHOOLS		
School of Law		suspended
School of Medicine		4
School of Public Policy		4

1 suggested for list
2 department review
3 campus administration review
4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
SAN DIEGO

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Electrical Engineering & Sociology	B.A.	3
Environmental Systems (Environmental Technology)	B.S.	2
Engineering Science -- Integrative Engineering	B.S.	2
Marine Biology	B.S.	1
Marine Science	B.S.	1
Visual Arts (specialization in Public Culture)	B.A.	1
Forensic/Analytical Chemistry	B.S.	1
Mathematics (integrated 5-year program)	B.A./M.A.; B.S./M.S.	1
Middle Eastern Studies	B.A.	1
Nano Engineering	B.S.	1
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Human Development	Ph.D.	4
Computational Science, Math & Engineering	M.S.	4
Architecture-based Enterprise Systems Engineering	M.A.S.	3
Bioengineering, Electrical & Computer Engineering & Structural Engineering (Jt. w/ SDSU)	Ph.D.	3
Computational Science, Mathematics &	M.S./Ph.D.	3
Geophysics -- Earthquake Science & Applied	Ph.D.	3
Management	Ph.D.	3
Management/Business Education	M.B.A./Ph.D.	3
Public Health -- Global Public Health	Ph.D.	3
International Affairs	M.A.S.	3
Biostatistics	Ph.D.	1
Critical Gender Studies	Ph.D.	1
Distributed Learning & Leadership	Ph.D.	1
Management	Ph.D.	1
Information Technology Innovation	M.Eng., Ph.D.	1
Pharmacy	D. Pharm	1
Projection/Multi-media/Animation/Film	M.F.A.	1
Climate Science	M.S.	1
NanoEngineering	Ph.D.	1
SCHOOLS & COLLEGES		
Seventh College		1

- 1 suggested for list
2 department review
3 campus administration review
4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
SAN FRANCISCO

Proposed Programs	Degree	Status
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Global Health Sciences	M.S.	4
Dental Hygiene	M.S.	3
Science & Technology Studies in Medicine	M.S.	3
Audiology (w/ CSU San Francisco)	AuD.	2
Epidemiology	Ph.D.	2
Bioengineering (w/ UCB)	M.Engr., D. Engr.	1
Global Health Sciences	Ph.D.	1
Global Health Sciences	Executive M.A.	1
Health Psychology & Behavior Neurosciences (w/ UCB)	Ph.D.	1
Nursing (w/ UCD)	Ph.D.	1
Biological and Medical Informatics	M.S./Pharm.D.	on hold
Cancer Pharmacogenomics	Pharm.D.	on hold
Clinical Informatics & Modeling of Complex Systems	Pharm.D.	on hold
Health Policy Research -- Trans-disciplinary	Ph.D.	on hold
Health Psychology & Behavior Neurosciences	Ph.D.	on hold
Physical Therapy (w/ CSU Northridge)	Jt. D.P.T.	on hold
Post Baccalaureate Doctor of Pharmacy	Pharm.D.	on hold
SCHOOLS		
School of Global Health Studies		2

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
SANTA BARBARA

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Language, Culture and Society	B.A.	3
Biotechnology and Pharmacology	B.S.	2
Childhood Studies (Graduate School of Education)	B.A.	1
Conservation Biology	B.S.	1
Cultural Studies	B.A.	1
Electrical & Computer Engineering	B.S.	1
Materials Chemistry	B.S.	1
Mathematics & Empirical Finance	B.S.	1
Native American Studies	B.A.	1
Probability and Statistics	B.S.	1
Religious Studies	B.A./M.A.	1
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Materials Chemistry	B.S./M.S.	3
Applied Linguistics	M.A.	2
Art	M.A.	2
Biotechnology and Pharmacology	M.S.	2
Earth Surface Sciences	Ph.D.	2
Financial Mathematics & Statistics	M.S.	2
Geophysics	M.S./Ph.D.	2
Materials (w/ Ecole Polytechnique, France)	Ph.D.	2
Technology Management & Commercialization	M.S.	2
Asian American Studies	M.A./Ph.D.	1
Bioengineering & Bio-Physical Science	M.S./Ph.D.	1
Black Studies	M.A./Ph.D.	1
Dance	M.F.A.	1
Writing for Performance	M.F.A.	1

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

UNIVERSITY OF CALIFORNIA
Proposed Degree Programs
2008 - 2013
SANTA CRUZ

Proposed Programs	Degree	Status
UNDERGRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Biomolecular Engineering	B.S.	2
Computer Game Engineering	B.S.	2
Jewish Studies	B.A.	2
Mechatronic Engineering	B.S.	2
GRADUATE PROGRAMS		
Proposals added for 2008 update are shown in BOLD		
Applied Mathematics & Stochastic Modeling	M.S./Ph.D.	2
Autonomous Systems	M.S./Ph.D.	2
Coastal Policy	M.S.	2
Comparative U.S. Studies	Ph.D.	2
Engineering	M.Eng.	2
Feminist Studies	Ph.D.	2
Latin American & Latino Studies	Ph.D.	2
Planetary Sciences	M.S./Ph.D.	2
Remote Sensing/Geographic Information Systems	M.S.	2
Software Engineering	M.S./Ph.D.	2
Visual Art	M.F.A.	2
Biomolecular Engineering	M.S./Ph.D.	1
Computer Game Design	M.S.	1
Engineering Management	M.S./Ph.D.	1
SCHOOLS		
School of Management		2

- 1 suggested for list
- 2 department review
- 3 campus administration review
- 4 CCGA CPEC review

Appendix C Commission Assignment of Degree Programs to Discipline Area

Biological Sciences

Animal Science
Biology
Biochemistry
Bioinformatics
Biostatistics
Bioengineering
Ecology/Plant Science
Marin Biology
Molecular Biology
Physical Education/Kinesiology
Physiology

Social Sciences

Anthropology
Community Development
Human Development
Economics
Geography
History
Liberal Studies
Legal Studies
Political Science
Psychology
Social Justice
Sociology

Education

Cognition
Child Development/Studies
Education/Administration
Educational Leadership
Special Education
Recreation Administration

Health Sciences

Audiology
Epidemiology
Medicine
Nutrition
Nursing
Physical Therapy
Pharmacy
Public Health

Physical Sciences

Chemistry
Chemical Engineering
Computer Science
Earth Science
Engineering
Geophysics
Environmental Science
Mathematics
Materials Science
Physics
Statistics

Professional Studies

Accountancy
Business Administration
Global Logistics
Law
Public Policy/Administration
Risk Management
Social Work/Welfare
Taxation
Urban Studies/Planning

Humanities

Art & Art History
Cultural Studies
Communication
Dance
Ethnic Studies
Foreign Language
English
Feminist Studies
Film
Linguistics
Philosophy
Rhetoric
Religious Studies
Music
Theatre
Visual Arts

Appendix D CSU Proposed Programs, 2008–09 through 2017–18

Bold type denotes new proposed program projections

BAKERSFIELD

2009	BS	Computer Engineering
	BS	Electrical Engineering
	BS	Engineering
	MS	Computer Science
	EdD	Education

CHANNEL ISLANDS

2008	BA	Chicano/Chicana Studies
	BS	Applied Physics
	MA	English
2009	MS	Biology
2010	BA	Anthropology
	BA	Philosophy
	BS	Exercise Science*
	BS	Health Science*
	BS	Nutrition*
	MFA	Art
2011	BA	Social Justice
	BA/BS	Kinesiology/Wellness/Nutrition
	BS	Computer Engineering
	MA	History
2012	BA	Geography and Urban Studies
	MPA	Public Administration
2013	BA	Social Work
	MS	Applied Sociology*
	EdD	Education
2014	MS	Nursing

CHICO

2008	BA	Chemistry
	BS	Animal Science*
2009	BA	Legal Studies*
	MS	Engineering Management
2010	EdD	Educational Leadership

DOMINGUEZ HILLS

2008	BS	Sports, Entertainment and Hospitality Management*
	MS	Applied Biotechnology Studies
	MS	Environmental Science* (Fast Track)
2009	BS	Exercise Science
	MA	Communication Disorders
	MA	Spanish
	MPH	Public Health
	EdD	Educational Leadership
2010	MS	Exercise Science

EAST BAY

2008	BS	Hospitality Management* (fast track)
	MS	Construction Management* (fast track)
	MS	Recreation Management* (fast track)
	EdD	Education (Summer 2008)

FRESNO

2008	BS	Athletic Training*
	BS	Biomedical Physics
	BFA	Graphic Design*
	EdS	School Psychology*

FULLERTON

2008	BS	Athletic Training and Sports Medicine*
	BS	Software Engineering
	MS	Applied Biotechnology Studies
	MS	Engineering Management
2009	BA	Earth Science*
	BSE	Software Engineering*
	MA	Chemistry*
	MA	Adult and Lifelong Learning*
	MA	Statistics*
	MS	Integrated Marketing Communication*
	MFA	Screenwriting*
2010	MA	Japanese*
	MA	Liberal Studies*
2011	MA	Criminal Justice*
2012	BA	Chinese Studies*

HUMBOLDT

2008	BA	Child Development*
	BA	Environmental Studies*
	BA	Recreation Administration*
2009	BS	Marine Biology*
	EdD	Education

LONG BEACH

2008	BA	Design
	MA	Global Logistics (Pilot Conversion)
	MFA/BFA	Theater Management
2009	BA	Engineering Systems*

LOS ANGELES

2008	MS	Applied Biotechnology
	EdD	Education
2009	BA	Food Science*
	MS	Technology*
	DNP	Doctor of Nursing Practice (joint partner to be determined)
2012	BA	Computer Science
	BA	Urban Studies
	PhD	Forensic Sciences (joint doctoral partner to be determined)
2013	BA	Computer Science
	MA	Liberal Studies*

MARITIME ACADEMY

2008	BS	Global Studies and Maritime Affairs
2009	BS	Science and Mathematics

MONTEREY BAY

2008	BS	Computer Science and Information Technology (fast-track)
	BS	Mathematics (pilot conversion)
	MS	Instructional Science and Technology (change in projected degree title)
2009	BA	Human Development
	MA	Applied Ethics and Communication
2010	MA	Critical and Applied Multi-Cultural Studies
	MS	Nursing
	EdD	Education
	MSW	Social Work*

California Postsecondary Education Commission

NORTHRIDGE

2008	BS	Athletic Training*
	BS	Engineering Management
	MS	Taxation
	EdD	Educational Leadership
2009	BS	Information Technology*
	MS	Computer Engineering*
	MA	Humanities
	MS	Marketing and Design Management
	MPP	Master of Public Policy
	MS	Structural Engineering*
	AuD	Audiology*
	DPT	Physical Therapy (with UC San Francisco)
2010	MS	Quality Management*
	MBA/JD	Business Administration and Law* (joint degree; law school to be determined)
2011	BS	Industrial/Quality Mgmt*

POMONA

2008	BA	Science, Technology, and Society*
	MA	Psychology*
	MS	Accountancy
2009	EdD	Educational Leadership

SACRAMENTO

2008	BA	Earth Science
	BS	Athletic Training*
	EdS	School Psychology

SAN BERNARDINO

2008	BA	Arabic*
	BS	Information Systems & Tech
	MS	Special Education
	MA	Child Development
	MFA	Creative Writing
	MFA	Studio Art
2009	MSA	Accountancy
2010	BS	Civil Engineering
	BS	Electrical Engineering
	BS	Mechanical Engineering
	MS	Kinesiology
	MA	Music

SAN DIEGO

2008	BA	Computer Science* (Pilot at Imperial Valley Campus)
	MS	Bioinformatics (PSM+ pilot Program)
(2008)	PhD	Earth Sciences (Geophysics)
	PhD	Evolutionary Biology (with UC Riverside)
2009	BA	Health Communication*
	BFA	Graphic Design
	MA	Translation and Interpreting
	MFA	Film, Television, and Digital Media
	PhD	English and Children's Literature (with UC Riverside)
	PhD	Information Systems (with Claremont Graduate University)

SAN DIEGO (continued)

(2009)	Ph.D.	Geophysics* (with Scripps Institute of Oceanography and UCSD)
	Ph.D.	Bioengineering* (with UCSD)
	Ph.D.	Structural Engineering* (with UCSD)
	Ph.D.	Electrical and Computer Engineering* (with UCSD)
2010	EdD	Special Education (with UC San Diego)
	PhD	Evolutionary Biology (with UC Riverside)
	PhD	Hearing Science (with UC San Diego)
2011	PhD	Communication (with Fielding Graduate Institute)
2012	PhD	Social Work (with USC)

SAN FRANCISCO

2009	AuD	Audiology*
------	------------	-------------------

SAN JOSÉ

2008	BFA	Dance*
	MARA	Archives and Records Administration* (fast-track)
	MS	MS Medical Product Development Management*
2009	BA	Foreign Language and International Economics
	EdD	Education

SAN LUIS OBISPO

2008	MAE	Master of Agricultural Education
	MA	Economics
	MS	Industrial and Technical Studies*
	MS	Polymers and Coatings (Pilot Conversion)
2009	BS	Agricultural Communication*
	BS	Sociology*
	MS	Biomedical Engineering*
2010	EdD	Education

SAN MARCOS

2008	BA	Digital and Media Arts
	BA	Global Studies
	BA	Philosophy
	MS	Chemistry
2009	BA	Child and Adolescent Development
	BA	Music
	MS	Nursing*
2010	BA	Ethnic Studies*
	EdD	Education

SONOMA

2008	BA	Global Studies
	BA	Applied Statistics*
	BS	Statistics*
	MA	Spanish*
2010	EdD	Education

STANISLAUS

2008	BA	Gender Studies*
	BFA	Theatre Arts*
	MS	Nursing
	EdD	Education
2009	MAT	Education/Teaching*

Some projected implementation dates have been adjusted to meet societal need, student demand, or resource requirements.

*Newly proposed for Trustees "planning authorization." Implementation subject to review and approval by the Chancellor.