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ABSTRACT Information in this report about approvals, terminations, and adjustments in doctoral programs in the Western States was compiled from a survey of private institutions and state higher education agencies in the 13 states of the Western Interstate Commission for Higher Education. The report covers the period from July 1, 1977 through June 30, 1978, and information about program changes at both private and public institutions from July 1, 1974 through June 30, 1977, is also included in summary form. The program status information at public institutions submitted by the state higher education agency may not list all program terminations because termination decisions are often made internally at institutions and not reported to the state agency. (SW)

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# Project on Expanding Regional Cooperation in Graduate & Professional Education

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**WICHE**  
Improving Education In The West

## **WICHE**

The Western Interstate Commission for Higher Education is a nonprofit agency created in the 1950s by the governors and legislatures of the 13 western states. Through interstate sharing and research, WICHE helps states provide high-quality, cost-effective higher education to meet the human resource needs of the states and the education needs of the citizens. WICHE serves Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

### **Project Intent**

WICHE's project on Expanding Regional Cooperation in Graduate and Professional Education encourages resource sharing in graduate and professional education in the West by providing information about these programs throughout the region. The project is establishing an information system that will enable higher education decision makers to plan for the future of graduate and professional education from a regional perspective. The graduate education project is supported by a two-year grant from the Carnegie Corporation of New York and by WICHE state dues through its Student Exchange Program.

The project seeks to improve the effectiveness and efficiency of graduate education in the West so that both students and taxpayers are better served.

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APPROVED, TERMINATED, OR ADJUSTED DOCTORAL  
PROGRAMS AT INSTITUTIONS IN WESTERN STATES  
For the Period July 1, 1974,  
Through June 30, 1978

Lilla E. Engdahl, Ph.D.

November 1978

Report 78-3

Western Interstate Commission for Higher Education  
*An Affirmative Action/Equal Opportunity Employer*

P.O. Drawer P

Boulder, Colorado 80302

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## ACKNOWLEDGEMENTS

This report Approved, Terminated, or Adjusted Doctoral Programs at Institutions in the Western States is intended to assist educators by providing regionwide information about doctoral program changes occurring from July 1, 1977, through June 30, 1978. Information about program changes at both private and public institutions from July 1, 1974, through June 30, 1977, is also included in summary form.

We extend our sincere appreciation to all who responded to our survey. The report would not have been possible without the interest and cooperation of the following private institutions and state higher education agencies:

### Private Institutions:

Alaska Methodist University, Raghbir S. Basi, Executive Dean for Academic Affairs  
American Baptist Seminary of the West  
California Institute of Technology  
Claremont Graduate School, Nedra Donnelly, Registrar  
Fuller Theological Seminary  
Golden Gate University, Otto Butz, President  
Graduate Theological Union, Elizabeth K. Over, Assistant Dean and Common Registrar  
Loma Linda University, Norman J. Woods and Lottie Ziprick  
School of Theology at Claremont, Sook-Chung Kim, Registrar  
Stanford University  
University of Santa Clara, Christine Woodward  
University of Southern California, Nelson T. Horn, Associate Dean  
University of the Pacific, Reuben W. Smith, Dean

The Wright Institute

California School of Professional Psychology at Fresno, T. Russell Mitchell, Dean for Student Affairs

Biola College, Inc., Graduate Division

Rand Graduate Institute of Policy Studies, Sue Bourdon

University of Denver

Iliff School of Theology, Jameson Jones, President

Brigham Young University, Robert W. Laird

### State Higher Education Agencies

Alaska Commission on Postsecondary Education, Cathy Krainik, Research Assistant; J.D. St. John, University of Alaska, Fairbanks

Arizona Board of Regents, Lawrence E. Woodall, Executive Coordinator

California Postsecondary Education Commission, Norman Charles, Higher Education Specialist

Colorado Commission on Higher Education, Mary Kay Hudson, Assistant Program Coordinator

Board of Regents, University of Hawaii, E.A. Kay, Associate Dean, Graduate Division

Idaho State Board of Education, Clifford M. Trump, Deputy Director for Academic Planning

Montana Board of Regents for Higher Education, Irving E. Dayton, Deputy Commissioner for Academic Affairs

University of Nevada System, Donald Baepler, Acting Chancellor

New Mexico Board of Educational Finance, Robert Rhodes, Academic Coordinator

Oregon Educational Coordinating System, Elinore Rogers, Oregon State System of Higher Education

Utah State Board of Regents, Leon R. McCarrey, Deputy Commissioner

Washington Council for Postsecondary Education, Neil D. Uhlman, Educational Planner

Wyoming Higher Education Council, R.J. McColloch, Dean, Graduate School, University of Wyoming

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## INTRODUCTION

This publication, the second annual report of doctoral program changes at institutions in the West, is a service of the WICHE Project on Expanding Regional Cooperation in Graduate and Professional Education. Information in this report about approvals, terminations, and adjustments in doctoral programs was compiled from a survey of private institutions and state higher education agencies in the thirteen WICHE states. The program status information at public institutions submitted by the state higher education agency may not list all program terminations because termination decisions are often made internally at institutions and not reported to the state agency.

This report presents information and data about program changes at the doctoral level at institutions in the West with no attempt at analysis. However, some observations related to data for each of the past four years and in summary form for the four-year period may be helpful.

In the thirteen western states 56 new programs were approved during the four-year period, July 1, 1974, through June 30, 1978. In that same period 21 programs were terminated while adjustments, primarily title changes, were made in 43 programs. There were ten new health programs, more than in any other field, and no health programs were terminated.

Eight new programs in biological sciences were reported during the four years, with six each reported in education and social sciences. Two programs were terminated in biological and social sciences, while one education program was discontinued. Program areas in which the most programs were phased out were

foreign languages, letters, and physical sciences, with three each. This trend is similar to the national movement away from the liberal arts disciplines and toward the professional/occupational fields.

Initiation of new programs was greater during 1977-78 than for any of the previous years, with nine new programs at public institutions and seven at private institutions becoming operational. However, the number of new programs at public institutions was down from the twelve begun the previous year. Overall, fewer programs were terminated this past year than in 1976-77, when three programs in foreign language and three in physical sciences were discontinued as well as one each in engineering, home economics, and letters. Four new programs offered jointly by two or more institutions were reported. The number of jointly developed and offered programs may increase in the future.

A striking phenomenon of this past year is the large number of adjustments made in existing programs. It should be noted that these changes were primarily changes in classification only. Programs previously given an interdisciplinary classification became applied programs within single discipline classifications.

A summary of the program changes is displayed for each of the past four years by HEGIS discipline specialties in Table A.

If the number of private institutions is compared with the large number of public institutions in the region, it becomes apparent that more program changes, proportionately, have occurred at private institutions. Reasons

Table A

SUMMARY OF PROGRAM CHANGES JULY 1, 1974, THROUGH JUNE 30, 1978

HEGIS Code	Discipline Specialties	1974-78			1977-78			1976-77			1975-76			1974-75		
		Appr.	Term.	Adj.	Appr.	Term.	Adj.	Appr.	Term.	Adj.	Appr.	Term.	Adj.	Appr.	Term.	Adj.
100	Agriculture and Natural Resources	1	1								1	1				
200	Architecture and Environmental Design	1									1					
300	Area Studies															
400	Biological Sciences	8	2	3	3	1		3	1	2	1			1	1	
500	Business & Management	2	1								1	1		1		
700	Computer & Information Services	2												2		
800	Education	6	1	2	3	1	2	2			1					
900	Engineering	1	2						1		1				1	
1000	Fine & Applied Arts	3	1		2	1								1		
1100	Foreign Languages		3						3							
1200	Health Professions	10		1	5			3				1		2		
1300	Home Economics		1						1							
1400	Law	2			1			1								
1500	Letters	1	3			2		1	1							
1600	Library Science	1						1								
1700	Mathematics	2		1			1	1			1					
1900	Physical Sciences	1	3	4			4	1	3							
2000	Psychology	1												1		
2100	Public Affairs & Services	2									1			1		
2200	Social Sciences	6	2		1	1		1			3	1		1		
2300	Theology	3		2	1								1	2		1
2400	Interdisciplinary	3	1	30		1	30				3					
	TOTAL	56	21	43	16	6	38	14	10	2	14	3	2	12	2	1

undoubtedly vary; however, the flexibility that private institutions have with their own governance structure may make change decisions less complicated.

A summary of the total program changes made at public and at private institutions is displayed for each of the past four years in Table B.

Data compiled in the study are reported in five tables.

Table 1 reports changes which occurred from July 1, 1977, through June 30, 1978. Changes at both public and private institutions are reported. Because the first annual survey did not yield information about private institutions, the second annual survey was sent to each of the doctoral degree awarding private institutions in the West as listed in the Education Directory, Colleges and Universities 1977-78, published by the National Center for Educational Statistics. Table 2 displays reported changes from July 1, 1974, through June 30, 1977, for private institutions and Table 3, repeated from Report 78-1, displays changes for the same time period for public institutions. A summary of program changes at private institutions from July 1, 1974, through June 30, 1977, is reported by HEGIS categories in Table 4.

Table 5 displays a detailed report of doctoral program changes by HEGIS categories at all western institutions from July 1, 1977, through June 30, 1978. A brief description of each program and the changes made in it are included in this table. For those instances in which the respondent did not give the HEGIS code for a program, the space for the four-digit HEGIS code is blank. However, the program is listed under the general two-digit code which appeared most appropriate from the program description.

Table B

## SUMMARY OF PROGRAM CHANGES AT PUBLIC AND PRIVATE INSTITUTIONS

JULY 1, 1974, THROUGH JUNE 30, 1978

Institutional Governance	Approved	Terminated	Adjusted	Total
1974-75				
Public	8	1	0	0
Private	<u>4</u>	<u>1</u>	<u>1</u>	<u>6</u>
Total	12	2	1	15
1975-76				
Public	11	2	1	14
Private	<u>3</u>	<u>1</u>	<u>1</u>	<u>5</u>
Total	14	3	2	19
1976-77				
Public	12	7	2	21
Private	<u>2</u>	<u>3</u>	<u>0</u>	<u>5</u>
Total	14	10	2	26
1977-78				
Public	9	2	35	46
Private	<u>7</u>	<u>4</u>	<u>3</u>	<u>14</u>
Total	16	6	38	60
1974-78				
Public	40	12	9	61
Private	<u>16</u>	<u>9</u>	<u>5</u>	<u>30</u>
Total	56	21	14	91

Table 1  
SUMMARY  
OF  
DOCTORAL PROGRAMS<sup>a</sup> IN THE 13 WESTERN STATES  
APPROVED, TERMINATED, OR ADJUSTED  
JULY 1, 1977, THROUGH JUNE 30, 1978

PUBLIC INSTITUTIONS			
State	Approved	Terminated	Adjusted
Alaska	None	None	Atmospheric Sciences Space Physics
Arizona	None	None	None
California	Animal Behavior-0499 Education: Multi-Cultural Emphasis 0899 Jurisprudence and Social Policy 1499 <sup>b</sup> Mental Health 1299 D.M.H. <sup>b</sup>	None	None
Colorado	Nursing 1203	Higher Education 0805	Applied Mathematics Applied Chemistry Applied Physics 1902 Interdisciplinary Programs 3404 (29 programs)
Hawaii	None <sup>c</sup>	None	None
Idaho	None	None	None
Montana	None	None	None
Nevada	Sociology	None	None
New Mexico	None	None	None
Oregon	Education 0827 Community College Personnel Public School Administration	None	None
Utah	None	Comparative Literature 1503	None
Washington	Nursing Sciences 1203	None <sup>d</sup>	None
Wyoming	None	None	None
PRIVATE INSTITUTIONS			
Institution	Approved	Terminated	Adjusted
Alaska Methodist University	Education 0801 Ed.D.	None	None
American Baptist Seminary of the West	Doctor of Ministry 2301	None	None
California Institute of Technology	None	None	None
Claremont Graduate School	Musical Arts, D.M.A. 1004 Music 1006	Individual Degrees 4999	Education 0827
Fuller Theological Seminary	None	None	None
Golden Gate University	None	None	None

continued on next page

<sup>a</sup>Ph.D. unless otherwise noted.

<sup>b</sup>Program approved 1976-77, to be offered Winter 1978.

<sup>c</sup>Public Health, Dr.P.H. under consideration for approval.

<sup>d</sup>Program reported under consideration for change:

English 1501

Washington State University, decision on termination will be made June 1979

History 2205

Washington State University, decision on termination will be made June 1979

NOTE: The two above program termination decisions were incorrectly reported to be made in June 1978 in the Supplement to Report 78-1. The correct decision date is June 1979.

PRIVATE INSTITUTIONS			
Institution	Approved	Terminated	Adjusted
Graduate Theological Union	None	None	None
Loma Linda University	Public Health in Epidemiology Dr.P.H.	None	None
San Francisco Theological Seminary	None	None	None
School of Theology at Claremont	None	None	None
Stanford University	Cancer Biology 0499	None	None
University of Santa Clara	None	None	None
University of Southern California	None	Urban Studies 2214	Pharmacology (nutrition) 0409
University of the Pacific	None	English, Doctor or Arts Visual Sciences	None
The Wright Institute	None <sup>a</sup>	None	None
California School of Professional Psychology	None	None	None
Fresno	None	None	None
Biola College	None	None	None
Rand Graduate Institute of Police Sciences	None	None	None
University of Denver	Biological Sciences	None	Education
Cliff School of Theology	None	None	None
Brigham Young University	None	None	None

<sup>a</sup>Interdisciplinary Social Science (General Systems Theory). The Wright Institute. This program is under consideration for approval.

Table 2

SUMMARY OF DOCTORAL\* PROGRAMS IN PRIVATE INSTITUTIONS IN THE 13 WESTERN STATES  
 APPROVED, TERMINATED, OR ADJUSTED JULY 1, 1974, THROUGH JUNE 30, 1977

Institution	July 1, 1974 - June 30, 1975			July 1, 1975 - June 30, 1976			July 1, 1976 - June 30, 1977		
	Approved	Terminated	Adjusted	Approved	Terminated	Adjusted	Approved	Terminated	Adjusted
Alaska Methodist University	None	None	None	None	None	None	None	None	None
American Baptist Seminary of the West	None	None	None	None	None	None	None	None	None
California Institute of Technology	None	None	None	None	None	None	None	None	None
Claremont Graduate School	Executive Management & Administration 0506	None	None	None	None	None	None	None	None
Fuller Theological Seminary	Missiology Ph.D. Miss.	None	Doctor of Theology (Th.D.) became Doctor of Philosophy (Ph.D.)	None	None	None	None	None	None
Golden Gate University	None	None	None	None	None	None	None	None	None
Graduate Theological Union	(Joint Ph.D.) Near Eastern Religions	None	None	None	None	Religion & Education	None	None	None
Loma Linda University	None	None	None	None	None	None	None	None	None
San Francisco Theological Seminary	None	None	None	None	None	None	None	None	None
School of Theology at Claremont	None	None	None	None	None	None	None	None	None
Stanford University	None	None	None	None	None	None	None	None	None
University of Santa Clara	None	None	None	None	None	None	None	None	None

\*Ph.D. unless otherwise indicated.



University of Southern California	Craniofacial Biology	None	None	Business Administration Urban & Regional Planning	Business 0506 DRA	None	Biometry Physical Therapy	None	None
University of the Pacific	None	None	None	None	None	None	None	None	None
The Wright Institute	None	None	None	Psycho-Social Development & Education	None	None	None	None	None
California School of Professional Psychology at Fresno	None	None	None	None	None	None	None	None	None
Biola College	None	None	None	None	None	None	None	None	None
Rand Graduate Institute of Policy Studies	None	None	None	None	None	None	None	None	None
University of Denver	None	Engineering: Clinical, Electrical, Mechanical Sci., Environment	None	None	None	None	None	None	None
Illiff School of Theology	None	None	None	None	None	None	None	None	None
Brigham Young University	None	None	None	None	None	None	None	English Spanish German	None

No information was received from United States International University or the Pacific School of Religion.

Table 3

## SUMMARY OF DOCTORAL\* PROGRAMS IN PUBLIC INSTITUTIONS IN THE 13 WESTERN STATES

APPROVED, TERMINATED, OR ADJUSTED JULY 1, 1974, THROUGH JUNE 30, 1977

(From Report 78-1)

State	July 1, 1974 - June 30, 1975		July 1, 1975 - June 30, 1976		July 1, 1976 - Dec. 31, 1976		Jan. 1, 1976 - June 30, 1977		Adjusted
	Approved	Terminated	Approved	Terminated	Approved	Terminated	Approved	Terminated	
ALASKA	None	None	None	None	None	None	None	None	None
ARIZONA	Music Theory Nursing	None	None	None	Mineral Economics	None	Higher Education (Ph.D. & Ed.D.) Applied Mathematics	None	1977--Cellular & Developmental Biology 1977--Ecology & Evolutionary Biology
CALIFORNIA	Clinical Psychology Computing Sciences	None	Medical Anthropology Energy & Resources Social Ecology Sociology	Criminology	Neurosciences Immunology Library & Information Services	None	Applied Linguistics Mental Health (DMH) Jurisprudence & Social Policy	None	None
COLORADO	Political Science	None	Public Administration (DPA)	None	None	None	None	None	None
HAWAII	None	None	None	None	None	None	None	None	None
IDAHO	None	None	Mechanical Engineering	Agricultural Economics	None	None	None	None	None
MONTANA	None	None	None	None	None	None	None	None	None
NEVADA	None	None	None	None	None	None	Sociology	None	None
NEW MEXICO	None	None	Sociology	None	None	None	None	None	None
OREGON	None	None	Forest Science Urban Studies-Criminal Justice Option Human Genetics	None	None	Home Management Nutrition Metallurgical Engineering	None	None	1976--Consolidated 3 specialized pharmacy programs into Pharmacy
UTAH	Computer Science Pharmacy (Pharm. D.)	None	None	None	Special Education	None	Nursing	None	None
WASHINGTON	Social Welfare	Comparative Psychology (Jan. 1974)	Applied Mathematics	None	None	None	None	Chemistry (Doctor of Arts) at 2 Institutions Germanics (Doctor of Arts) Physics (Doctor of Arts)	None
WYOMING	None	None	None	None	None	None	None	None	None

\*Ph.D. unless otherwise indicated.

\*\*Program to be offered initially Winter, 1978.

Table 4  
SUMMARY  
PROGRAM CHANGES  
JULY 1, 1974, THROUGH JUNE 30, 1977  
DETAILED REPORT BY FOUR-DIGIT HEGIS CODE  
PRIVATE INSTITUTIONS

HEGIS Code	Program	State	Approved	Terminated	Adjusted
0200	ARCHITECTURE AND ENVIRONMENTAL DESIGN				
0206	Urban and Regional Planning University of Southern California	CA	75-76		
0400	BIOLOGICAL SCIENCES				
0419	Biometry, Ph.D. University of Southern California	CA	76-77		
0499	Craniofacial Biology, Ph.D. University of Southern California	CA	74-75		
0500	BUSINESS AND MANAGEMENT				
0506	Executive Management Administration Claremont Graduate School	CA	74-75		
0506	Business Administration, Ph.D. University of Southern California	CA	75-76		
0506	Business, D.B.A. University of Southern California			75-76	
0300	EDUCATION				
0399	Psycho-Social Development and Education The Wright Institute	CA	75-76		
0900	ENGINEERING				
	Engineering: Chemical; Electrical; Mechanical Sciences; and Environmental University of Denver	CO		74-75	
1100	FOREIGN LANGUAGES				
1103	German Brigham Young University	UT		76-77	
1105	Spanish Brigham Young University	UT		76-77	
1200	HEALTH PROFESSIONS				
1212	Physical Therapy, Ph.D. University of Southern California	CA	76-77		
1500	LETTERS				
1501	English Brigham Young University	UT		76-77	
2300	THEOLOGY				
2301	Missiology, Ph.D. Miss. Fuller Theological Seminary, School of World Mission	CA	74-75		
2301	Theology, Ph.D. Fuller Theological Seminary, School of Theology The nomenclature changed from Doctor of Theology to Doctor of Philosophy. The program remained the same.	CA			74-75
2304	Religion and Education, Ph.D. Graduate Theological Union	CA			75-76
2399	Near Eastern Religions, Joint Ph.D. Graduate Theological Union--University of California at Berkeley	CA	74-75		

Table 5  
PROGRAM CHANGES 1977-78  
DETAILED REPORT BY FOUR-DIGIT HEGIS CODE

HEGIS Code	State	Approved	Terminated	Adjusted
------------	-------	----------	------------	----------

0400 BIOLOGICAL SCIENCES

Biological Sciences, Ph.D.  
University of Denver, School of Arts and Sciences, Department of Biological Sciences

CO X

Program Description: Specialization areas of this program include Molecular Developmental Biology; Micro-Biology; Cell Biology; Physiology; Ecology.

Justification: Combined M.A./Ph.D. programs attract increased numbers of students. Competent faculty is currently on staff.

Program Status: The program is currently operative. Anticipated degrees in first five years--3. Anticipated students to be accepted into program:

- first year 1
- second year 3
- third year 3

0409 Pharmacology (nutrition), Ph.D.  
University of Southern California, College of Medicine, Department of Pharmacology and Nutrition.

CA X

Program Description: The program provides training and research in the contribution of nutrients in normal physiological function, growth and development, and in the prevention and the treatment of certain derangements of normal function recognized as disease states, together with the rationale for and mechanism of action of therapeutic agents in the treatment of disease.

Reason for Adjustment: The changes represent an alteration in the traditional doctoral curriculum.

Program Status: Initial operation--Fall 1978.  
Approved at Institutional Level--May 1978

0499 Animal Behavior, Ph.D.  
University of California, Davis. Interdisciplinary

CA X

Program Description: Emphasis on the evolutionary bases of animal behavior.

Justification: It is expected that the program will place most of its graduates in the academic community as teachers and researchers. Only four other programs of comparable quality exist in the country.

Program Status: Initial operation--Winter 1978. Anticipated number of degrees to be conferred in first five years--20. Anticipated number of students to be accepted into program:

- first year 10
- second year 12
- third year 12



0499 Cancer Biology  
Stanford University

CA X

Program Description: This program is designed to provide a framework for students with an interest in the understanding and control of neoplastic growth to build a curriculum in varied biomedical areas relevant to the subject. Students are based in departments appropriate to their speciality and are subject to core requirements.

Justification: Not available.

Program Status: Initial operation--Autumn 1978. Anticipated number of degrees to be conferred in first three years--12-15. Anticipated number of students to be accepted into the program:

first year 8  
second year 7  
third year 7

0800 EDUCATION

0805 Education: Higher Education, Ph.D., Ed.D.  
University of Colorado, Graduate School, Department of Education

CO X

Program Description: Higher Education Administration in community colleges and four-year colleges and universities was initiated in Fall 1971.

Justification: Reasons for termination include lack of adequate resources to carry on a quality program as well as lack of student enrollment. It was terminated by the Executive Committee of the University of Colorado Graduate School.

No students accepted into program after June 1978.

1977-78 fall enrollment--21.

10 doctoral degrees conferred, 1976-77.

0827 Education, Ed.D.  
Portland State University, School of Education

OR X

Program Description: One area of specialization in this program is preparing of Community College Personnel. It is a joint program with Oregon State University and the University of Oregon.

Another area of specialization for this program is Public School Administration. It is a joint program with the University of Oregon.

## 0827 Education, Ed. D. (continued)

Justification: The program is proposed to upgrade the knowledge and skills of already employed administrators.

Program Status: The program was approved by the Board of Education and will be reviewed by the Oregon Educational Coordinating Commission.

Proposed initial operation--Fall 1973.

Anticipated number of students to be accepted into the program:

first year 20  
second year 20  
third year 20

AL X

## Education, Ed. D. Joint AMU-USC

Alaska Methodist University, Graduate College, Department of Academic Affairs

Program Description: Two specialties will be offered at first: Educational Administration and Curriculum Development.

Justification: The program is offered through a consortium arrangement with the University of Southern California.

Program Status: Approval for program operation has been requested. Initial operation--fall 1973. Anticipated number of degrees to be conferred in first five years--40. Anticipated number of students to be accepted into the program: First year--40.

CA

X

0827 Education, Joint Ph.D. CGS-SDSU  
Claremont Graduate School

Program Description: This is a joint doctoral program with special emphasis on the problems of educating a pluralistic society. The multicultural emphasis is intended to prepare students to be conversant with the problems which such diversity brings with a particular emphasis; e.g., teaching and learning, the organization and administration of schools at various levels, etc.

Reason for Adjustment: While not a new program as such, only the addition of an "emphasis" at the administrative level, this is a novel venture in inter-institutional cooperation. The California Master Plan calls for such joint degrees. This is the first joint doctoral degree in California under that plan, however, involving a public and independent institution. Complementary resources for the degree are provided by San Diego State University in the multicultural area and Claremont Graduate School in fundamental theory and research methodology.

(See 0199 for additional description, justification, and status.)

HEGIS Code

State Approved Terminated Adjusted

0899 Education (with Multi-Cultural Emphasis), Ph.D.  
San Diego State University and Claremont Graduate School, Department of Education

CA X

Program Description: The purpose of this program is to prepare "scholar practitioners" who can address the cultural, social, and economic factors which underlie inequities in educational opportunity.

Justification: Most candidates, it is assumed, will already be employed in settings in which this degree will aid in effective functioning and career advancement.

Program Status: Initial operation - Fall 1978  
Approval has been granted.

Anticipated degrees in first five years - 26. Anticipated students to be accepted into program:

first year 12  
second year 24  
third year 36

CO

Education  
University of Denver, College of Arts and Sciences, School of Education

Program Description: Two research tools will be required of all candidates. They may be chosen among languages, statistics, and computer sciences.

Reason for Adjustment: There is increased emphasis upon the Ph.D. as a research degree. The purpose was not to weaken the practicality of the Ed.D. degree.

Program Status: Candidates after January 1979 will be accepted into the Ph.D. program only. Current candidates for the Ed.D. may make the transition to the Ph.D. program prior to June 1979.

1002 FINE AND APPLIED ARTS

CA X

1004 Musical Arts, D.M.A.  
Claremont Graduate School, Department of Music

Program Description: This program was designed with special emphases on the study of performance practices. Degrees may be granted in one of two majors, performance or composition.

Justification: Assessment of demand and supply was informal. The program will be very small. It represents the culmination of a long-held internal plan and is made possible by a coalescence of significant faculty resources in the Claremont Colleges rather than a plan to secure new resources. The graduate program has received significant endowment over the last five years.

## 1004 Musical Arts, B.M.A. (continued)

Program Status: Initial operation--Fall 1978.  
 No degrees to be conferred in first five years (seven-year time limit for completion)  
 Anticipated students to be admitted:

first year 2  
 second year 5  
 third year 3

1006 Music, Ph.D.  
 Claremont Graduate School, Department of Music

CA X

Program Description: This program was designed to place special emphasis on the study of performance practices. This emphasis is an integral part of the historical era courses offered in musicology.

Justification: Assessment of demand and supply was informal. The program will be very small. It represents the culmination of a long-held internal plan and is made possible by a coalescence of significant faculty resources in the Claremont Colleges rather than a plan to secure new resources. The graduate program has received significant endowment over the last five years.

The emphasis of the graduate program at Claremont is on "Performance Practices." This is a bridging emphasis which can lead to degrees either toward the practice or toward the theoretical side. Hence, two degree options flow integrally from the specialization of the program.

Program Status: Initial operation--Fall 1978.  
 No degrees expected to be conferred in first five years (seven-year time limit for completion).  
 Anticipated number of students to be accepted into program:

first year 1  
 second year 4  
 third year 7

Visual Sciences, Ph.D.  
 University of the Pacific, The Graduate School

CA X

Program Description: The nature of the program is individualized, tutored, and research-oriented. Academically, the student is expected to assimilate sufficient knowledge to permit him to function confidently and completely within his field of specialization. Program was initiated in the fall of 1963 and no new students will be accepted after fall 1973. The last full year of operation is 1973-79, with one student enrolled.



## 1099 Visual Sciences, Ph.D. (continued)

Justification: The program is being terminated due to the pending separation of Pacific Medical Center and University of the Pacific. The decision was made by the Committee on Graduate Studies and Academic Affairs.

## 1200 HEALTH PROFESSIONS

1203 Nursing Sciences, Ph.D.  
University of Washington, School of Nursing

WA    X

Program Description: The purpose of the program is:

1. To prepare scholars in nursing to meet the recognized need for expanding the base of knowledge in nursing . . .
2. To provide an educational structure which directly facilitates the pursuit of advanced study and research training in the field of primary interest. . .
3. To prepare persons to meet the substantial state, regional, and national need for doctorally prepared faculty in schools of nursing in universities and for leadership positions in key service agencies. . .

Students in the program are expected to concentrate on two of the five fields offered and to acquire basic knowledge in the other three. The five areas are: Individual Adaptation to Wellness and Illness; Family Adaptation to Wellness and Illness; Environments, Supporting and Nonsupporting; Clinical Therapeutics; Interpersonal; Clinical Therapeutics: Physical.

Justification: Estimates of need for doctorates in nursing are sufficient to suggest that the program will not create an oversupply of graduates at this level in the field. At the regional level, it was concluded that there is sufficient likely future employment of graduates of the program, if such graduates occur at the rate anticipated. However, this estimate can also be affected by the development of other regional programs. Accordingly, it is important that the appropriate entities cooperate toward the fulfillment of the regional program concept endorsed by faculty in the School of Nursing and the University of Washington.

The CPE recommended to the University of Washington Board of Regents that the Ph.D. in Nursing Sciences degree program be initiated. It also recommended that the program be viewed as a regional program and that the University, in cooperation with the staff of the Council and other appropriate organizations (WICHE) seek to develop arrangements by which other states in the Pacific Northwest may help support and participate in it.

## 1203 Nursing Sciences, Ph.D. (continued)

Program Status: On March 19, 1973, the Board of Regents conditionally authorized the School of Nursing to offer the Ph.D. program. Conditional approval applies only for a provisional period of five years. Authorization is to expire at the end of this time unless further action is taken to extend the period or to authorize the program on a continuing basis.

Initial operation--Fall 1973.

Anticipated degrees to be conferred first five years--12. Anticipated number of students to be accepted into program:

first year 8  
second year 8  
third year 8

1203 Nursing, Ph.D.  
University of Colorado, Medical Center, School of Nursing

CO X

Program Description: Specialties to be offered are Psychological Nursing, Psychosocial Nursing (with emphasis on patient education or gerontological nursing), and Nursing Care Delivery Systems.

Justification: Only 1500 of some 1 million nurses employed in the U.S. in 1976 held earned doctorates. The University of Colorado program, one of five in the West, will prepare researchers who can further develop nursing science in academic, institutional, and agency settings.

Program Status: Program approved for operation--June 1978.  
Initial operation--Fall 1978. Anticipated degrees to be conferred first five years--25. Anticipated number to be accepted into program:

first year 8-10  
second year 8-10  
third year 8-10

1214 Public Health, Dr.P.H.  
University of Hawaii (Manoa), School of Public HealthHI Under  
Consideration  
for Approval

Program Description: This field of study is Public Health Practice with two major fields of emphasis: (1) Health Services Development, and (2) Personal and Community Health Maintenance and Promotion.

Justification: The School of Public Health at the University of Hawaii is the only accredited locus for professional public health preparation in the state and one of 19 in the country. Need is indicated by the increasing numbers of master's degrees in public health, and substantially increasing enrollments and applications for admissions.

## 1214 Public Health, Dr. P.H. (continued)

Program Status: Under consideration for final approval. Program initiation-- Fall 1978. No specified number of degrees in first five years. Anticipated number of students to be accepted into program in first three years:

first year 6  
second year 10  
third year 12

CA X

Public Health in Epidemiology, Dr. P.H.  
Loma Linda University, School of Health, Biostatistics, and Epidemiology

Program Description: The Dr. P.H. program in epidemiology is designed to prepare individuals to do research and teach in the areas of epidemiology and biostatistics or to practice epidemiology-oriented community health/preventative medicine.

Justification: The shortage of epidemiologists in the country is critical. The program is open to both nonphysicians and physicians (physicians involved in this program will be able to provide much needed help to health testing programs and other activities). The federal government is encouraging the training of this type of personnel through training grants for programs to alleviate the shortage of epidemiologists.

Program Status: Program has approval. Initial operation--fall 1978. Anticipate three or four new students each year.

CA Approved--1976-77.  
To be Offered.  
Initially--Winter, 19781299 Mental Health, Doctor of Mental Health D.M.H.  
University of California, San Francisco, Interdisciplinary

Program Description: This new approach to the training of mental health professionals involves a five-year sequence, the first two years of which is the Master's program in Health and Medical Science at Berkeley. The San Francisco segment will provide three years of clinical and related work. The program represents a new integration of academic and professional education, complemented by extensive clinical experience, in the training of mental health professionals.

Justification: No specific demand figures are available. Graduates will be fully qualified to practice in HMO's, Community Mental Health Centers, single or group practice, or for clinical, administrative, or teaching and research positions in health and educational institutions.

Program Status: Initial operation--Winter 1978. Anticipated number of degrees to be conferred in first five years--50. Anticipated number of students to be accepted into program:

first year 24  
second year 24  
third year 24

38

HEGIS Code

State Approved Terminated Adjusted

1400 LAW

1499 Jurisprudence and Social Policy, Ph.D.  
University of California, Berkeley, School of Law

CA Approved--1976-77.  
To be Offered  
Initially--Winter, 1978

Program Description: Interdisciplinary and research oriented, this program focuses on the relationship between society and its legal system. It is designed to prepare scholars and teachers to study law as a basic social institution, to teach within the context of a liberal education and to deal with broad issues of social and legal policy.

Justification: No specific supply and demand estimates are available. Good possibilities for employment exist as teachers in undergraduate programs, staff members of governmental agencies, members of law school faculties.

Program Status: Winter of 1978. Anticipated number of students to be accepted into program:

first year 15  
second year 20  
third year 25

1500 LETTERS

English, Doctor of Arts  
University of the Pacific, Graduate School

CA X

Program Description: The Doctor of Arts is a three-year program beyond the B.A. designed to train two- and four-year college teachers of English. The program attempts to integrate the teaching of literature, composition, and the aesthetics of film by means of a model centered in literary criticism and English language study. Program was initiated in Fall 1970.

Justification: Change in program was made by the English Department faculty and the decision was made by the Committee of Graduate Studies and Academic Affairs. No students accepted into program after Fall 1979. Last full year of operation 1978-79 with enrollment of five students.

1503 Comparative Literature, Ph.D.  
University of Utah, College of Humanities, Departments of English and Languages/  
Interdepartmental

UT X

Program Description: The study of literary works in contexts broader than those afforded by studies in a single literature course. It encourages direct relations between works; unconnected parallels; binary comparisons; studies of genre, period, and theme; relations among literary works, literature, and arts. Program was initiated prior to 1969.

40

## 1503 Comparative Literature (continued)

Justification: The termination was recommended by the University of Utah and authorized in May 1978 by the Utah State Board of Regents for the following reasons:

1. A limited student interest in the program.
2. Few faculty specialists at the University who are specialists in Comparative Literature.
3. A lack of agreement at the University as to what the program in Comparative Literature really is.

No new students will be accepted into the program after September 1978. Last full year of operation 1977-78, with enrollment of two students. Students in program will complete it.

## 1700 MATHEMATICS

Applied Mathematics, Ph.D.  
Colorado School of Mines

CO

X

Program Description: This is applied mathematics in any of the mineral engineering fields (see 4904).

Reason for Adjustment: To fold all mathematics doctoral titles into single "applied" titles. No new programs or additional faculty courses are involved.

Program Status: The program was approved at the institutional level-- June 1978. State agency approval is expected by January 1979.

## 1900 PHYSICAL SCIENCES

1902 Applied Physics, Ph.D.  
Colorado School of Mines

CO

X

Program Description: This is Applied Physics in any of the mineral engineering fields (see 4904).

Reason for Adjustment: To fold all physics doctoral titles into single "applied" titles. No new programs or additional faculty or courses are involved.

Program Status: The program was approved at the institutional level--June 1978. State agency approval is expected by January 1979.

42

1905 Applied Chemistry, Ph.D.  
Colorado School of Mines

CO

X

Program Description: This program is Applied Chemistry in any of the mineral fields (see 4904).

Reason for Adjustment: The reason was to fold all chemistry doctoral titles into single "applied" titles. No new programs or additional faculty or courses are involved.

Program Status: Approved at institutional level--June 1978. Final action by state agency expected by January 1979.

Atmospheric Sciences, Ph.D.  
University of Alaska, Fairbanks, College of Environmental Sciences, Division of Resources, Solar-Terrestrial and Atmospheric Sciences Program

AL

X

Reason for Adjustment: The adjustment was made to delineate degree titles which are "more indicative of the specialties of our graduates than the traditional degrees in geophysics." Previous titles were either Geology or Geophysics. Both of these titles may still be used, but within the solid-earth context.

Program Status: Initial operation--Fall 1978.

Space Physics, Ph.D.  
University of Alaska, Fairbanks, College of Environmental Sciences, Division of Geosciences, Solar-Terrestrial and Atmospheric Sciences Program

AL

X

Reason for Adjustment: This adjustment was made to delineate degree titles which are "more indicative of the specialties of our graduates than the traditional degrees in geophysics." Previous titles were either Geology or Geophysics. Both of these degree titles may still be used, but within the solid-earth context.

Program Status: Initial operation--Fall 1978.

2200 SOCIAL SCIENCES

Sociology, Ph.D.  
University of Nevada, Reno, College of Arts and Sciences, Sociology Department

NV

X

Program Description: This program includes community, political, and industrial sociology, social stratification, ecology, leisure, and recreation.

Justification: Justification is based on student demand for program--15 per year--and demand for graduates by state agencies.

## Sociology, Ph.D. (continued)

Program Status: Initial operation--fall 1977. Anticipated degrees in first five years--6. Anticipated students to be accepted into the program:

first year 4  
second year 4  
third year 4

## 2214 Urban Studies

University of Southern California, Center for Public Affairs, School of Urban and Regional Planning

CA

X

Program Description: This interdisciplinary program offers advanced training in Urban Analysis with a wide range of options for specialization. Initiated--fall 1968.

Justification: Insufficient faculty resources are available to sustain a quality program. It was terminated by Graduate and Professional Schools Committee action. No students accepted into program after Spring 1973. Last full year of operation 1977-73. Degrees conferred--32.

## 2300 THEOLOGY

## 2301 Ministry (001120)

American Baptist Seminary of the West

CA

X

No information about this program is available.

## 4900 INTERDISCIPLINARY PROGRAMS

- 4904 Chemistry - Chemical and Petroleum Refining Engineering
- 4904 Chemistry - Geophysical Engineering
- 4904 Chemistry - Geophysics
- 4904 Chemistry - Metallurgical Engineering
- 4904 Chemistry - Metallurgy
- 4904 Chemistry - Mining Engineering
- 4904 Chemistry - Petroleum Engineering
- 4904 Chemistry - Petroleum Production
- 4904 Mathematics - Chemical and Petroleum Refining Engineering
- 4904 Mathematics - Geological Engineering
- 4904 Mathematics - Geology
- 4904 Mathematics - Geophysical Engineering
- 4904 Mathematics - Geophysics
- 4904 Mathematics - Metallurgical Engineering

## 4904 Interdisciplinary Programs (continued)

- 4904 Mathematics - Metallurgy  
 4904 Mathematics - Mining Engineering  
 4904 Mathematics - Petroleum Engineering  
 4904 Mathematics - Petroleum Production  
 4904 Physics - Chemical and Petroleum Refining Engineering  
 4904 Physics - Geological Engineering  
 4904 Physics - Geology  
 4904 Physics - Geophysical Engineering  
 4904 Physics - Geophysics  
 4904 Physics - Metallurgical Engineering  
 4904 Physics - Metallurgy  
 4904 Physics - Mining Engineering  
 4904 Physics - Petroleum Engineering  
 4904 Physics - Petroleum Production  
 Colorado School of Mines (all of the above)

CO

X

Justification: The graduate faculty reported that "... dual-discipline programs... are misleading and cumbersome. The titles are not recognized by people outside of this campus community... Recommendations were to fold all of the chemistry and physics doctoral titles into single "applied" titles to eliminate all of the dual titles at the Master level, and to eliminate the dual titles associated with doctoral level mathematics..." Terminated by action of the graduate faculty and Board of Trustees.

4999 Individual Degrees, Ph.D.  
Claremont Graduate School, Interdisciplinary Department

CA

X

Program Description: Individually designed interdisciplinary programs under the supervision of the Individual Degrees Committee. The program was initiated December 15, 1975.

Justification: This program did not meet the quality expectations of the faculty and the administration. The judgment, after some experience, is that such a program would attain high quality only on the basis of an immense amount of effort and monitoring and the merits did not justify this effort. Other programs at Claremont Graduate School are, in the main, reasonably individualized and flexible and there seemed, on reflection, to be no need for a specifically individual program.

Terminated by action of the Graduate Council and faculty. No new students accepted into the program after July 1, 1977. Last full year of operation--1976-77. Fall enrollment--3; no degrees conferred.



# PROJECT ON EXPANDING REGIONAL COOPERATION IN GRADUATE AND PROFESSIONAL EDUCATION

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