

# GENERAL CATALOG

of

# CALIFORNIA STATE COLLEGE, BAKERSFIELD



# Fall, Winter, and Spring Quarters 1970–71

Price \$1.00 Plus Tax

NOTE: All announcements herein are subject to revision without previous notice

# TABLE OF CONTENTS

	Page
Academic Calendar	
Trustees of the California State Colleges	6
Office of the Chancellor	7
The California State Colleges	8
Advisory Board of California State College, Bakersfield	9
Administrative Officers of California State College, Bakersfield	9
Introduction to the College	11
Admission, Registration and Fees	18
Student Services	28
Academic Information	_ 33
College-wide Academic Programs	48
School of Behavioral Sciences	50
Division of Business and Public Administration	66
Division of Education	70
School of Humanities	73
School of Natural Sciences and Mathematics	96
Index	115

# 

JANUARY									
5	М	T	W	Ť	F	\$			
				1	2	3			
4	5	6	7	8	9	10			
11	12	13	14	15	16	17			
18	19	20	21	22	23	24			
25	26	27	28	29	30	31			

FEBRUARY									
S	М	F	5						
1	2	3	4	5	6	7			
8	9	10	11	12	13	14			
15	16	17	18	19	20	21			
22	23	24	25	26	27	28			

MARCH									
5	М	T	W	Ť	F	\$			
1			4						
			11						
			18						
			25	26	27	28			
29	30	31							

	APRIL										
SMTWTF											
			1	2	3	4					
5	- 6	7	8	9	10	11					
12	13	14	15	16	17	18					
19	20	21	22	23	24	25					
26	27	28	29	30							

JANUARY										
SMTWTFS										
1 2										
3	4	5	6	7	8	9				
10	11	12	13	14	15	16				
17	18	19	20	21	22	23				
24	25	26	27	28	29	30				
31										
		FEI	BRU.	ARY						

_	FEBRUARI								
5	S M T W T F								
	1	2	3	4	5	6			
7	8	9	10	11	12	13			
14	15	16	17	18	19	20			
21	22	23	24	25	26	27			
28									

MARCH								
5	S M T W T F							
	1		3					
7	8	9	10	11	12	13		
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30	31					

	APRIL								
5	M	T	W	T	F	S			
_				1	2	3			
4	5	6	7	8	9	10			
-11	12	13	14	15	16	17			
18	19	20	21	22	23	24			
25	26	27	28	29	30				

	MAY									
5	M	Ť	W	Ţ						
						2				
	4									
10	11	12	13	14	15	16				
	18									
24	25	26	27	28	29	30				
31										

JUNE								
S	M	Ţ	W	T	F	S		
			3					
7	8	9	10	11	12	13		
14	15	16	17	18	19	20		
21	22	23	24	25	26	27		
28	29	30						

	JULY							
S	М	T	W	T	F	S		
			1	2	3	4		
5	6	7	8	9	10	11		
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30	31			

	AUGUST										
5	SMTWTF										
						ī					
2	3	4	5	6	7	8					
9	10	11	12	13	14	15					
16	17	18	19	20	21	22					
23	24	25	26	27	28	29					
30	31										

# 

			MA	r		
5	M	Ť	W	T	F	\$
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
			IUN	E		
S	M	Ŧ	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12

5	М	7	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

JULY									
S	M	Ŧ	W	Ť	F	5			
				1	2	3			
- 4	5	6	7	8	9	10			
11	12	13	14	15	16	17			
18	19	20	21	22	23	24			
25	26	27	28	29	30	31			

AUGUST										
5	М	T	W	T	Ė	5				
ì	2	3	4	5	6	7				
8	9	10	11	12	13	14				
15	16	17	18	19	20	21				
22	23	24	25	26	27	28				
29	30	31								

SEPTEMBER									
\$	M	Ť	W	T	F	5			
		1	2	3	4	5			
6	7	8	9	10	11	12			
13	14	15	16	17	18	19			
20	21	22	23	24	25	26			
27	28	29	30						

OCTOBER										
\$	M	T	W	T	F	\$				
				1	2	3				
4	5	6	7	8	9	10				
11	12	13	14	15	16	17				
18	19	20	21	22	23	24				
25	26	27	28	29	30	31				

NOVEMBER									
5	M	T	W	T	F	S			
1				5					
	9								
	16								
	23	24	25	26	27	28			
29	30								

DECEMBER									
\$	M	T	W	1	F	5			
		1	2	3	4	5			
6	7	8	9	10	11	12			
13	14	15	16	17	18	19			
20	21	22	23	24	25	26			
27	28	29	30	31					

SEPTEMBER									
5	M	T	W	T	F	5			
			1	2	3	4			
5	6	7	8	9	10	11			
12	13	14	15	16	17	18			
19	20	21	22	23	24	25			
26	27	28	29	30					

	OCTOBER									
5	М	T	W	T	F	S				
					1	2				
3	- 4	5	6	7	8	9				
10	11	12	13	14	15	16				
17	18	19	20	21	22	23				
24	25	26	27	28	29	30				
31										

NOVEMBER										
S	М	T	W	T	F	S				
	1	2	3	4	5	6				
7	8	9	10	11	12	13				
14	15	16	17	18	19	20				
21	22	23	24	25	26	27				
28	29	30								

DECEMBER						
S	М	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

# **CALENDAR**

# ACADEMIC YEAR 1970-71

## Fall Quarter

	Pall Quarter
September 28	_Orientation
September 29, 30_	
October 1	Classes begin
October 7	Last day of late registration
October 7	Last day to add classes
October 21	Last day to withdraw from classes without a grade
November 12-26	Last day to withdraw from classes without a grade Academic advising period for continuing students for Winter
	Ouarter
November 12-26	Pre-Registration period for continuing students for Winter
1101000000	Quarter
November 26-29	Thanksgiving vacation
December 2	_Last day to withdraw from classes
December 11	Last day of classes
December 12–16	Examination period
December 16	
December 17-	Carlotte Of total
	Christmas vacation
January J	
	Winter Quarter
January 4, 5	Orientation for new students, and registration
January 6	Classes begin
January 12	Last day of late registration
January 12	Last day to add classes
January 26	Last day to withdraw from classes without a grade
February 17-	Academic advising period for continuing students for Spring
March 2	Academic advising period for continuing students for Spring  Quarter
February 17-	Pre-registration period for continuing students for Spring  Quarter
March 2	Ouarter
March 5	Last day to withdraw from classes
March 16	Last day of classes
March 17-19	Examination period
March 19	End of term
March 21-28	Spring vacation
	Spring Quarter
	Orientation for new students and registration
March 31	Classes begin
April 6	Last day of late registration
April 6	Last day to add classes
April 6	Last day to apply for graduation at end of 1971 Spring Quarter
April 20	Last day to withdraw from classes without a grade
May 12-25	Academic advising period for continuing students for Fall
	Quarter
May 12-25	Pre-registration period for continuing students for Fall Quarter
May 28	Last day to withdraw from classes
June 8	Last day of classes
June 9-11	Examination period
June 11	End of term
June 12	Commencement

# TRUSTEES OF THE CALIFORNIA STATE COLLEGES

(As of September 1969)

## EX OFFICIO TRUSTEES

Ronald Reagan, B.A.  Governor of California and President of the second	State Capitol, Sacramento 95814
Ed Reinecke, B.S.  Lieutenant Governor of California	
Max Rafferty, A.B., M.A., Ed.D	
Robert T. Monagan, B.A.  Speaker of the Assembly	State Capitol, Sacramento 95814
Glenn S. Dumke, A.B., M.A., Ph.D., LL.D. Chancellor of the California State College	
APPOINTED	TRUSTEES
Appointments are for a term of eight parentheses. Names are listed in order of	years expiring March 1 on dates in accession to the Board.
Charles Luckman, LL.D., A.F.D. (1974) 9220 Sunset Blvd., Los Angeles 90069	Alec L. Cory, B.A., LL.B. (1973) 1900 First National Bank Bldg., San
Theodore Meriam, A.B. (1971) P. O. Box 370, Chico 95927	Diego 92101 William A. Norris, B.A., LL.B. (1972)
Albert J. Ruffo, LL.B., B.S. in E.E.	609 So. Grand Avenue, Los Angeles 90017
675 North First Street, Suite 1200, San Jose 95112	Edward O. Lee, B.A. (1974) 595 16th Street, Oakland 94612
Mrs. Philip Conley, B.A. (1972) 3729 Huntington Blvd., Fresno 93702	Earle M. Jorgensen (1970) 10650 So. Alameda, Los Angeles 90054
E. Guy Warren, B.A. (1973) P. O. Box 59, Hayward 94541	Dudley Swim, A.B., M.A. (1976) P. O. Box 1590, Monterey 93940
Daniel H. Ridder, B.A. (1975) 604 Pine Avenue, Long Beach 90801	Karl L. Wente, M.S. (1976) 5565 Tesla Road, Livermore 94550
George D. Hart, A.B. (1975) 111 Sutter Street, San Francisco 94104	E. Litton Bivans (1977) 2431 Dallas Street, Los Angeles 90031
James F. Thacher, A.B., LL.B. (1970) 310 Sansome Street, San Francisco	W. O. Weissich, B.S., LL.B. (1977) 1299 Fourth Street, San Rafael 94901

# OFFICERS OF THE TRUSTEES-1969-70

Governor Ronald Reagan President Mrs. Philip Conley Vice Chairman

94104

Daniel H. Ridder Chairman Chancellor Glenn S. Dumke Secretary-Treasurer

# OFFICE OF THE CHANCELLOR

of

# The California State Colleges 5670 Wilshire Boulevard Los Angeles, California 90036 (213) 938-2981

Glenn S	3.	Dumke	Char	acellor
Harry E	C.	Brakebill	Executive Vice Char	ncellor
Russell (	G.	Whitesel	Vice Chancellor, Academic	Affairs
C. Mans	el	Keene Assistant	Chancellor, Faculty and Staff	Affairs

#### THE CALIFORNIA STATE COLLEGES

California State College, Dominguez Hills 809 East Victoria Street Dominguez Hills, California 90247 Leo F. Cain, President 213 532-4300

California State College, Fullerton 890 North State College Boulevard Fullerton, California 92631 William B. Langsdorf, President 714 870-2011

California State College, Hayward 25800 Hillary Street Hayward, California 94542 Ellis E. McCune, President 415 538-8000

California State College, Long Beach 6101 East Seventh Street Long Beach, California 90804 Carl W. McIntosh, President 213 433-0951

California State College, Los Angeles 5151 State College Drive Los Angeles, California 90032 John A. Greenlee, President 213 224-2011

California State College, San Bernardino 5500 State College Parkway San Bernardino, California 92407 John M. Pfau, President 714 887-6311 California State Polytechnic College, Kellogg-Voorhis 3801 West Temple Avenue Pomona, California 91766 Robert C. Kramer, President 213 964-6424

California State Polytechnic College, San Luis Obispo San Luis Obispo, California 93401 Robert E. Kennedy, President 805 546-0111

Chico State College Chico, California 95926 Robert E. Hill, President 916 343-4411

Fresno State College Shaw and Cedar Avenues Fresno, California 93726 Frederic W. Ness, President 209 487-9011

Humboldt State College Arcata, California 95521 Cornelius H. Siemens, President 707 822-1771

Sacramento State College 6000 Jay Street Sacramento, California 95819 Otto Butz, Acting President 916 454-6011

San Diego State College 5402 College Avenue San Diego, California 92115 Malcolm A. Love, President 714 286-5000 San Fernando Valley State College 18111 Nordhoff Street Northridge, California 91324 James W. Cleary, President 213 349-1200

San Francisco State College 1600 Holloway Avenue San Francisco, California 94132 S. I. Hayakawa, President 415 469-9123

San Jose State College 125 South Seventh Street San Jose, California 95114 Hobert W. Burns, Acting President 408 294-6414 Sonoma State College 1801 East Cotati Avenue Rohnert Park, (Cotati) California 94928 Ambrose R. Nichols, President 707 795-2011

Stanislaus State College 800 Monte Vista Avenue Turlock, California 95380 Carl Gatlin, President 209 634-9101

California State College, Bakersfield \* 615 California Avenue Bakersfield, California 93304 Paul F. Romberg, President 805 327-9101

\*Note: After September 1970 this address will change, as College operations move to the permanent site on Stockdale Highway.

## THE CALIFORNIA STATE COLLEGES

The 19 campuses of the California State Colleges, spanning the state from Humboldt County in the north to San Diego in the south, represent the largest system of public higher education in the Western Hemisphere and one of the largest in the world. Current enrollment exceeds 212,000 full-time and part-time students. The faculty and administrative staff number approximately 10,000.

Each college in this system, with a geographic and curricular character of its own, offers a basic program in the liberal arts. Course offerings leading to the bachelor's and master's degree and a limited number of joint doctoral degrees are designed to satisfy existing student interest while serving the educational and professional requirements of the state.

The California State Colleges are dedicated to rigorous academic standards. The primary faculty responsibility is the instructional process, with recognition of the necessary role of research in institutions of higher education.

Responsibility for the California State Colleges is vested in the Board of Trustees, appointed by the Governor, and its administrative officer, the Chancellor. The Trustees and the Chancellor set broad policy for the colleges while delegating responsibility for implementation to the colleges. A statewide Academic Senate, made up of representatives elected by the faculty at each college, recommends academic policy to the Board of Trustees through the Chancellor.

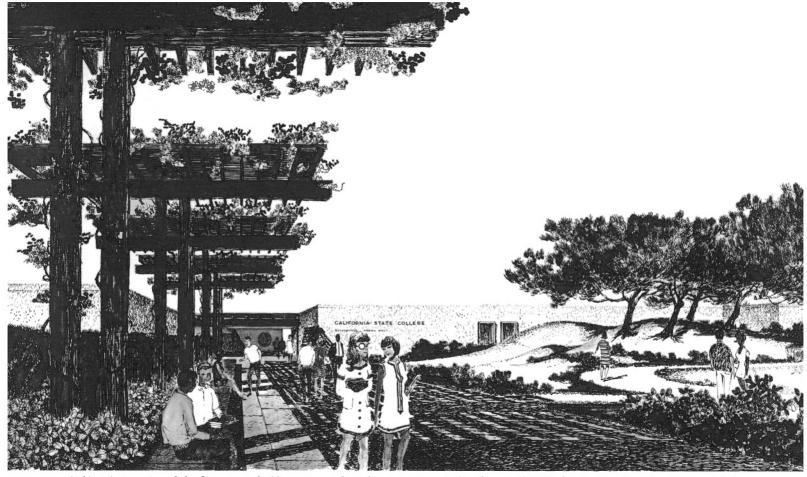
While the oldest of the colleges, San Jose State College, was founded over a century ago, the California State Colleges system under an independent Board of Trustees was created by the Donahoe Act of 1960.

The California State Colleges are now in a dynamic period of development. Prior to World War II there were seven State Colleges with a peak total enrollment of 13,000. Since 1947, twelve new colleges have been established and sites have been selected for new campuses in Ventura, San Mateo, and Contra Costa counties. Enrollment in the system is expected to reach 300,000 by 1980.

# CALIFORNIA STATE COLLEGE, BAKERSFIELD

# ADVISORY BOARD

Ed Richardson, Chairman	Releasefuld
Walter Kane, Vice Chairman	Releasefield
George M. Laurance, Treasurer	Tafe
Kenneth R. Croes	Rokersfield
Edward J. Cummings	Tehachani
	Shafter
Mrs. William E. Moore, Jr.	Bakersfield Bakersfield
Joseph F. Noriega	Bakersfield
Joseph I. Salas, Ir.	Bakersfield
Morton V. Slater	Delano
Morton V. SlaterReverend Tyree Toliver	Bakersfield
Robert Tucker	
Haskell Wilson	China Lake
ADMINISTRATIVE OFFIC	ERS
President	Paul F. Romberg.
Administrative Assistant to the President B.A., Califo	Ph.D., University of Nebraska
Administrative Assistant to the President	Sidney L. Sheffield,
B.A., Califo	rnia State College, Long Beach
Secretary to the President	Mrs. Esther Copeland
Dean of the College	
Dean of the College	Philip S. Wilder, Jr.,
	Ph.D. Harvard University
Dean, School of Behavioral Sciences	Thomas M. Watts,
	Ph.D., Indiana University
Dean, School of Humanities	Vincent H. Ponko, Jr.,
	Dh D I arrala I Inimamitra
Dean, School of Natural Sciences and Mathematics	John R. Coash,
	Ph.D., Yale University Donald C. Bridgman,
Chairman, Division of Education	Donald C. Bridgman,
Chairman, Division of EducationEd.D., Ur Chairman, Division of Business and Public Administr	inversity of Southern California
Chairman, Division of Business and Public Administr	ationRobert K. Coe,
	Ph.D., Syracuse University
Director of Libraries	Benton F. Scheide,
	M.A., University of Denver
EXECUTIVE	Variable E. Carre
Dean for Administration Eng.D., Un Campus Planning Officer	Kenneth E. Secor,
Eng.D., Un	iversity of California, Berkeley
Campus Planning Omcer	Laurens A. Denison
BUSINESS MANAGEMEN	
College Business Manager	Gordon M. Callison,
Accounting Officer	George Washington University
Accounting Omcer	Elbert J. Kirby, B.A., Fresno State College
Dean of Students	
Dean of Students	George B. Hibbard,
Lu D	d.D., Michigan State University
Associate Dean of Students and Director of	Dishard W. Carach
Admissions and Records	Richard M. Swank,
Danisana	Ph.D., Purdue University
Registrar	Edmond P. Vignoul, M.Ed., University of Texas
Evaluation Technician	Margaret Whitaker,
Evaluation 1 echnician	A.A., Pasadena City College
[9]	A.A., Fasaucha City College
171	



Architects' conception of the first campus buildings as seen from the entrance road: the Library at left, Student Services in center, Science at right.

# INTRODUCTION TO THE COLLEGE

California State College, Bakersfield plans to open for instruction in September, 1970, with a firm commitment to the highest standards of academic excellence. This beginning of instruction represents both the culmination of intensive planning that has been underway since the College was created by legislative action in 1965 and also the first chapter in a chronicle of educational service designed to continue in expanding fashion for the years ahead.

The College opens, as the nineteenth institution in the California State College system, in eleven carefully designed and newly constructed buildings on a 375-acre campus at the western edge of Bakersfield. Plans for the first year call for 700 students and 70 faculty members. The first student body will consist of freshmen, juniors, and a limited group of seniors. By the time the first year's freshmen graduate, the College will already have expanded from its initial dimensions to include many more students, a substantially larger faculty, a number of additional buildings, and a more widely diversified range of academic offerings.

The college plan, which has been developed since the appointment of President Paul F. Romberg in 1967, rests on assumptions including the following:

1. A liberal education is important for all students as a source of personal strength and as a basis for adaptation to future change in this fast moving world.

2. The student body will have the ability to benefit from, and therefore will expect, a rigorous and exciting academic program.

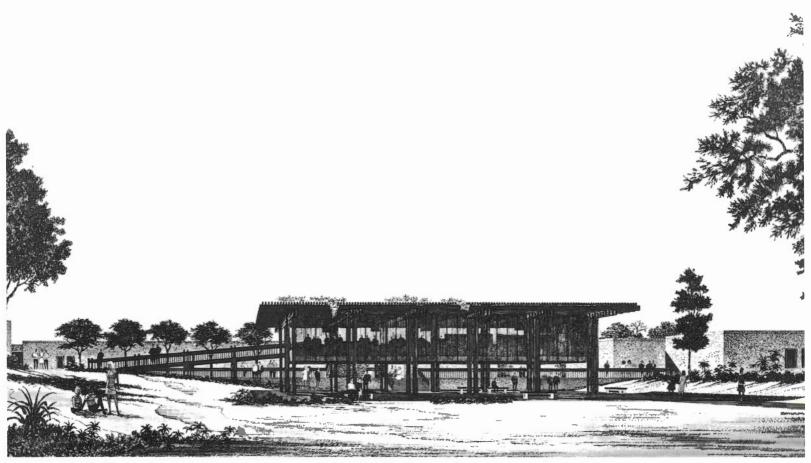
3. There are various forms of effective education, each requiring an atmosphere of active academic inquiry. The academic program as well as the faculty and students of this college must remain responsive to the need for flexibility and change.

4. The architectural plan of the College's campus should be designed

to contribute to the academic environment.

The plan for California State College, Bakersfield, rests on a conviction that an effective college should constitute a community made up of professors and of students, with the students learning from each other as well as from their instructors. The design for this campus includes a number of academic villages. These will serve as living-learning centers in which commuting students, dormitory residents, and staff members can supplement formal academic programs with other dimensions of interchange. This arrangement should give C.S.C.B. a unique advantage.

The academic program is designed to provide the College's students with a unified educational experience. The introductory course in each



Architects' conception of first campus buildings as seen from Stockdale Highway: Science at left, Music and Art in center foreground, Classroom Building at right.

department is aimed at demonstrating the broad significance of the discipline. Part of the sophomore year is devoted to a seminar that presents an overview of ideas considered in regular General Education courses. Work offered in each department takes account of the extent to which traditional academic disciplines overlap in their concerns. Each senior takes a seminar in which the work in his area of concentration is analyzed in broad perspective. The academic villages will provide important supplements to the various features of the formal academic program.

As one means of achieving educational effectiveness, the College will operate on a three-course, three-term plan. This schedule, under which the normal student load will be three courses of five quarter units each, will lead to a productive focusing of academic attention. This opportunity for study in depth will be supplemented by the less formal interchanges within the academic villages. The academic year will consist of three eleven-week terms extending from September to June. There will also be a summer session beginning in 1971.

The role of this college is seen as going well beyond that of service only to its students. The staff intends that the establishment of this institution will make a substantial contribution to the citizens of the entire region.

Integration of the College with the community will be made more dramatic and more effective than could normally be the case because the provisions under which the state accepted the gift of land to serve as a campus included an agreement giving the College a strong voice in development of all land within a one-mile radius of the college site. This will permit establishment of an integrated, college-oriented complex that will serve as a bridge between the college and the community at large.

This institution begins its operation with many circumstances in its favor. As a State College, it can keep the relationship between research and teaching in proportions that will contribute to its effectiveness as a place of learning. The diversified nature of the student body, balanced between students commuting from home and those who are living with their fellow students on or near the campus, should be a significant asset. The College's location in a substantial metropolitan area immediately adjacent to rural communities and open land will provide opportunities both for service and for study.

In the years between a young man or woman's completion of high school and the time he graduates from college, he has undergone a major transformation. As the arena in which this change takes place a college has a heavy obligation. The program of this college has been designed to insure that its graduates are prepared not only to make a living but also to live a meaningful life.



Architects' conception of the first campus buildings as seen from the west: Classroom Building at left, central court in center foreground, Student Services in center background, Faculty Building at right.

## THE COLLEGE PHYSICAL PLANT

As classes open in 1970, the operations of California State College, Bakersfield will be housed in an initial building complex covering some 85,000 square feet. The eleven buildings comprising this plant must embrace a multiplicity of functions in order to provide the basic support required by the academic programs of the new institution. Included in these initial buildings will be: a complement of lecture classrooms of sizes ranging from 20 to 130 students; laboratories to implement the College's first offerings in the physical and life sciences; specialized spaces for art and music instruction; a library planned to house a beginning collection of over 62,000 volumes (see expanded description below); a computer center; student service areas, such as a snack bar and a book store; and faculty offices and administrative and operational quarters. The total complex has been carefully planned to meet academic program requirements through the 1971–72 instructional year.

The illustration on the cover of this catalog shows an architectural rendering of a portion of these first buildings, indicating the unusual and attractive design to be used. Construction started on this project in July of 1969 in order that the facilities might be completed by September of 1970.

As instruction begins in 1970, other building programs will be under way, either in actual construction or in some design stage. The College's first student residence facilities will be approximately half completed, in anticipation of their availability for use in fall 1971. Living and dining provisions for 360 students will result from this project, as well as lounge and study spaces for a like number of commuters. When complemented by the addition of a similar residential component to be available by 1973, these facilities will form the living element of the first campus living-learning village; portions of the initial academic buildings, located nearby, will provide instructional support for the learning processes at work in the village.

Indoor and outdoor physical education facilities will also be under construction in 1970–71, with a planned availability in fall 1971. Building for the College's first permanent science laboratories will begin at about the same time to meet a 1972 occupancy date, thus relieving space in the initial buildings for other applications. Planning for a large classroom-office structure for use by 1973 will be well advanced, as will that for other significant and related campus improvements. These will all be coordinated by the guidelines set forth in the architectural master plan for the campus, and regulated by the requirements of the College's developing academic environment. Growth of the campus physical plant in ensuing years will of course occur along lines established by these same influencing factors and at a rate consistent with increases in institutional enrollment.



Photograph or architectural model of planned 1971 residential complex for Academic Village 1: Faculty Building at lower left, dining commons in center foreground, house units in rear and at right.

#### THE COLLEGE LIBRARY

The library is an instructional instrument provided to advance the educational objectives of the college. It will comprise a book collection upwards of 62,000 volumes at the beginning of the academic year 1970–71. More than 800 current periodical subscriptions will augment the book collection. The wide-ranging periodical collection includes many back volumes available either in bound form or on microfilm. In addition, pamphlet files on topical subjects, newspapers, and government documents comprise important holdings of the collection. The library also acquires California state publications regularly on a depository basis. Through microfilms and microcards many documents of historical interest and back files of periodicals are available to the students.

All materials are easily accessible to students, and open shelves provide convenient access to the books. Special facilities include a group study room, a public typing room, and a microfilm room equipped with reading machines for reading microtexts. Comfortable reading areas are provided at intervals between the book stacks, and the building features an outdoor court.

The audiovisual media center is a division of the library, with resources which complement the book collection. Its holdings will include a variety of non-book resources such as audio tapes, phonograph recordings, slides, and motion pictures. Listening and viewing rooms in the media center are equipped for the use of these materials. It includes a 25-station dial-access stereo facility capable of presenting instructional recordings. The technical services necessary to the audiovisual media are provided from this area.

#### BOOKSTORE

Students will be able to purchase or order books and supplies needed for classes from the on-campus bookstore, owned and operated by the College Foundation. The 1,200 sq. ft. bookstore will be a non-profit operation, with proceeds used to further the educational aims of the College.

#### THE COLLEGE FOUNDATION

The California State College, Bakersfield Foundation has been organized to provide essential services which cannot be provided from State appropriations. On behalf of the College, the Foundation receives private gifts and public grants. These include contributions to loan and scholarship funds, the library, laboratories, and special collections, as well as research grants and general donations. The Foundation also maintains the College Bookstore and the College food service.

# ADMISSION, REGISTRATION AND FEES

### ADMISSION TO THE COLLEGE

Requirements for admission to California State College, Bakersfield are in accordance with the provisions of Title 5 of the California Administrative Code. A prospective applicant who is unsure of his status under these requirements is encouraged to consult with a school or college counselor or a staff member of the Office of Admissions and Records at the College.

Students may be admitted to the College at any of three levels:

- 1. Freshman standing (entering college for the first time).
- 2. Advanced standing (students transferring as undergraduates from other colleges and universities).
- Unclassified graduate standing (students holding an acceptable baccalaureate degree).

Students may qualify for admission by submitting applications and transcripts showing that they meet the admission standards described in detail below. These standards are uniform for all State Colleges.

Information regarding admission to the College and academic programs may be obtained by contacting the Office of Admissions and Records. General catalogs and schedules of classes are sold on campus or through the mail by the College Bookstore. Schedules and catalogs are often available for inspection in libraries of schools and colleges and the offices of other educational agencies.

#### KINDS OF ENTRY-UNDERGRADUATE

- 2. Re-Entry A person who has attended CSCB previously as a matriculated student, who is not on academic drop status.
- 4. Non-Matriculant....... A person enrolling in extension and/or summer session, who is not admitted as a matriculated student nor is eligible to enroll as a regular student until completing admission requirements and procedures.

#### WHO MUST APPLY

An Application for Admission must be filed by any person who wishes to enroll for a fall, winter, or spring quarter, either full-time or part-time, unless he was enrolled for resident credit or withdrew from the College during the regular term preceding the quarter for which he wishes to enroll. In addition, students receiving the baccalaureate degree from CSCB must apply for re-entry to continue enrollment with graduate standing. A student previously enrolled only in summer session or extension courses must make formal application if he wishes to continue his attendance in a regular term.

## WHEN TO APPLY

Applications for admission, available on request from the Office of Admissions and Records, will be considered for beginning freshmen after October 1, 1969 and for transfer students after February 15, 1970 for the 1970 fall term, as long as space in enrollment quotas is available. The College anticipates that it will not be able to accommodate all eligible students and that it will be necessary to control enrollment on a first-come, first-served basis. Therefore, applicants are urged to apply for admission as early as possible after the above dates.

#### DECLARATION OF A MAJOR

Beginning freshmen and freshman and sophomore transfer students are not required to declare a specific major area of study if they are undecided at the time they enter. They may instead indicate that they are "undeclared" and be assigned to an academic advisor able to help them investigate various fields while they complete the general education program of lower division requirements. All students must declare a major no later than the beginning of their junior year by completing appropriate forms in the Office of Admissions and Records.

#### ADMISSION AS A FRESHMAN

An applicant who has had no college work will be considered for admission under one of the following provisions. Except as noted, submission of the results of the Scholastic Aptitude Test or the American College Test is required.

#### **Recommended High School Preparation**

Overall excellence of performance in high school subjects and evidence of academic potential provides the basis for admission to the College. While no specific course pattern is required to be properly prepared to undertake a full program of studies, the applicant is strongly encouraged to include the following subjects in his high school program:

- 1. College preparatory English.
- 2. Foreign language.
- 3. College preparatory mathematics.
- 4. College preparatory laboratory science.
- 5. College preparatory history and/or social science.
- Study in speech, music, art, and other subjects contributing to a strong academic background.

#### California High School Graduates and Residents

An applicant who is a graduate of a California high school or a legal resident of California, for tuition purposes, must have a grade point average and total or composite score on the SAT or ACT which provides an eligibility index \* placing him among the upper one-third of California high school graduates. The grade point average is based upon all high school work completed, excluding work taken in the freshman year, as well as courses in physical education and military science.

The table below does not cover every case, but gives several examples of the test score needed with a given grade point average to be eligible for admission:

Grade Point Average	SAT/ACT Needed		
3.21 and above	Eligible with any score		
2.80	832/19		
2.40	_1152/27		
2.00	1472/35		
1.99 and below	Not eligible		

# Non-Residents Graduating from High Schools in Other States or U.S. Possessions

An applicant who is a non-resident for tuition purposes and who is a graduate of a high school in another state or a U. S. possession must have an eligibility index which would place him among the upper one-sixth of California high school graduates. The minimum required eligibility index is: SAT—3402; ACT—826, and is calculated as in the previous section.

<sup>\*</sup> The minimum eligibility index is: SAT—3072; ACT—741. It is computed by multiplying the grade point average by 800 and adding it to the total SAT score, or by multiplying the grade point average by 200 and adding it to 10 times the composite ACT score.

#### **Graduates of High Schools in Foreign Countries**

An applicant who is a graduate of a foreign high school must have preparation equivalent to that required of eligible California high school graduates. The College will carefully review the previous record of all such applicants and only those with promise of academic success equivalent to that of eligible California high school graduates will be admitted. United States citizens should take the ACT or SAT examinations and have their results forwarded to the College. Citizens of other countries should take the TOEFL examination and have their results forwarded to the College.

#### **Non-High School Graduates**

An applicant who is over 21 years of age, who has not graduated from high school, will be considered for admission only when his preparation in all other ways is such that the College believes his promise of academic success is equivalent to that of eligible California high school graduates.

#### **High School Students**

A student still enrolled in high school will be considered for enrollment in certain special programs if he is recommended by his principal and his preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given program and does not constitute the right to continued enrollment.

#### **Other Applicants**

An applicant not admissible under one of the above provisions should enroll in a junior college or other appropriate institution. Only under the most unusual circumstances will such applicants be permitted to enroll in the College. Permission is granted only by special action.

#### **ADMISSION OF UNDERGRADUATE TRANSFER STUDENTS**

Applicants for admission to the College as undergraduate transfer students must qualify under one of the following provisions:

#### Applicants with 90 or More Quarter Units (60 or More Semester Units)

An applicant who has completed 90 or more quarter units (60 or more semester units), or the equivalent, will be admitted if he has achieved a grade point average of 2.0 (C) in all college work attempted and was in good standing at the last college attended.

#### Applicants with Fewer Than 90 Quarter Units (60 Semester Units)

An applicant who has completed fewer than 90 quarter units (60 semester units), or the equivalent, may be admitted if he meets the above Item No. 1 grade point average requirements and if he meets requirements currently in effect for first-time freshmen; or, if he has been in full-time continuous enrollment at a college since his graduation from high school, he may be admitted if he meets the requirements in effect for first-time freshmen at the time of his high school graduation.

#### ADMISSION OF FORMER STUDENTS

A former student in good standing must apply for re-entry if he has been absent for one or more full quarters (excluding summer session) immediately preceding the quarter in which he wishes to re-enter. If he has attended another institution during that time, transcripts must be sent to the Office of Admissions and Records indicating all work for which the student was registered. Policies relating to application fees, statements of residence, and transcripts apply to re-entering students as well.

Students on academic drop status should refer to the section on "Readmission of Disqualified Students" in the Academic Regulations portion of the catalog.

#### ADMISSION TO TEACHING CREDENTIAL PROGRAMS

Admission to the College does not constitute admission to a teaching credential program. Students who intend to work toward credentials should contact the Division of Education of the College for information.

#### ADMISSION OF PART-TIME STUDENTS

All students who plan to enroll in the College, including part-time students, must qualify and follow the procedures appropriate to their entrance level—freshman, undergraduate transfer, or graduate student.

#### ADMISSION OF VETERANS

Veterans must qualify and follow the same admission procedures established for other students. Qualified veterans who present certificates of eligibility for curricula offered by the College may attend California State College, Bakersfield and receive all appropriate benefits extended to veterans. Financial affairs for veterans' dependents entering and attending under California State Veterans' Benefits provisions are handled by the Office of Financial Aids and Placement.

#### **ADMISSION OF NON-RESIDENT STUDENTS**

Admission requirements (except freshman requirements) and procedures for non-resident students from the United States are the same as those for resident students. A non-resident tuition fee is payable by all regular and part-time students who have not been legal residents of the State of California for one calendar year immediately preceding the date of enrollment. Final determination of residence status is made after a Statement of Residence has been filed with the Office of Admissions and Records.

#### ADMISSION OF SUMMER SESSION AND EXTENSION STUDENTS

It is not necessary for students planning to enroll only in the summer sessions to make formal application for admission to the College unless they are working for a degree or credential through California State College, Bakersfield. Students are expected, however, to have satisfied the prerequisites for the particular courses in which they enroll.

#### **ADMISSION OF GRADUATE STUDENTS**

Any person who holds a baccalaureate or higher degree from a regionally accredited institution may be admitted as an "unclassified" graduate student to complete courses for transfer elsewhere, to complete teacher certification requirements, or for self-improvement. Admission as an "unclassified" graduate student does not guarantee admission to graduate degree programs when they are established.

## ADMISSION OF APPLICANTS FROM OTHER COUNTRIES

The credentials of an applicant for admission from another country are evaluated on an individual basis and in accordance with the general regulations governing admission. The application, official certificates, and detailed transcripts of records should be submitted to the Office of Admissions several months in advance of the quarter in which the applicant hopes to gain admittance. Doing so will allow time for exchange of necessary correspondence and, if admission is granted, will facilitate obtaining the necessary passport and visa. All records submitted must be translated into English and certified as accurate.

An applicant from another country whose native language is not English will be considered for admission only after submitting his results on the Test of English as a Foreign Language (TOEFL), demonstrating that his command of English is sufficient to permit him to profit by instruction at the College. Information and

test dates regarding the TOEFL examination may be obtained by writing to the Educational Testing Service, P. O. Box 592, Princeton, New Jersey, 08540. In addition, each student must submit as a part of his application a statement as to the availability of financial resources in the United States for his support as a student while attending the College. This statement must be certified as accurate by an embassy official or a recognized governmental agency.

Advisors are available to assist foreign students in all matters pertaining to their attendance at the College. It is required that every student from another country, upon his arrival at the College, present himself with his passport and visa to the Office of the Director of Counseling.

## **ADMISSION OF AUDITORS**

A student enrolled at the College who is not registered for a specific class may attend meetings of that class only after the start of classes and by receiving written approval of the individual course instructor and the Dean of the College.

#### INTRA-SYSTEM TRANSFER OF ADMISSION RECORDS

A student who has applied for admission to a State College, or who has attended a State College, may have his completed admissions file transferred to any other State College by completing a brief "request" form at the Office of the Registrar at either college. The file will be forwarded immediately and no fees are required.

#### **New Students**

An applicant admitted to a California State College under regular admission criteria is eligible for admission to another State College in the same term and may request the transfer of his admission file to another State College without payment of an additional application fee; however, admission to any State College is dependent upon the fulfillment of application procedures, application deadlines, and space and program availability.

## **Current Students**

A student at a California State College, who is eligible to continue at that college, is eligible for admission at any other State College provided he is in good standing and has a "C" average at the first institution. Transfer to another State College is subject to space and program availability. A student on probation at the first State College may apply for intrasystem transfer as above; however, admission to the second State College will be subject to the policies and procedures governing probationary admission at the second State College.

#### **ENTRANCE EXAMINATIONS**

All beginning freshmen and transfer students who will have completed less than 90 quarter units (60 semester units) of college level work prior to their enrollment, must present results of either the Scholastic Aptitude Test (SAT) or the American College Test (ACT). Entrance examinations are not required of upper division transfers (juniors and seniors).

International students from countries where English is not the native language must present results of the Test of English as a Foreign Language (TOEFL) prior to being considered for admission.

These tests may be taken at various testing centers throughout the world. Students should contact their high school or college counselor, or may write directly to the testing agencies at the addresses below for test application forms and other information:

#### **Scholastic Aptitude Test**

College Entrance Examination Board, Box 1025, Berkeley, California 94701

#### **American College Test**

American College Testing Program, P. O. Box 168, Iowa City, Iowa 52240

#### STATEMENT OF RESIDENCE

A Statement of Residence must be submitted by a student (1) who enrolls for the first time in a regular term at the College, (2) whose residence status has changed since his last enrollment, and (3) who was not regularly enrolled at the College during any of the three quarters immediately preceding.

#### APPLICATION FEE

A fee of ten dollars (\$10.00) is charged for processing applications for admission to the College. This fee is non-refundable and applies to all persons not regularly enrolled at the College during any of the three quarters immediately preceding, and former students who subsequently registered in another college for residence, summer, extension, or correspondence courses. Students seeking summer session or extension registration only are exempt from this requirement.

#### **HEALTH HISTORIES**

A complete physical examination by the student's personal physician is required of all newly admitted students and all former students of the College who have not enrolled in the regular program at the College during the prior two quarters. Appropriate forms are available for all admitted students by contacting the Student Health Service.

#### TRANSCRIPTS REQUIRED

All beginning freshmen and those transfer students with less than 90 quarter units (60 semester units) of completed college work at time of enrollment must request that complete official transcripts from the high school of graduation be sent directly to the Office of Admissions and Records. All students who have attempted college work at another institution must request transcripts from each college or university attended. Transcripts presented by students cannot be accepted.

No determination of admission eligibility will be made until all required documents have been received. Official transcripts must include a complete record of all previous high school and college work attempted, whether or not the applicant desires to enroll for college credit. A separate official transcript is required from each college attended, even though one transcript may show work completed at another college. All records submitted become the property of the College and cannot be returned to the applicant or duplicated.

#### **Applicants with Courses in Progress**

An applicant who is in attendance at a school or college at the time of application must file a transcript which includes a listing of the subjects in which he is currently enrolled. After the applicant has completed these subjects, he must notify his school or college to forward a supplementary record showing the final grades for that term. Final admission is subject to the receipt and approval of any outstanding credentials.

#### Veterans

A veteran who desires to have his military records evaluated for possible credit toward a baccalaureate degree must file a copy of his service separation papers or service form DD-214 with his application.

#### **Graduate Students**

An applicant who holds a baccalaureate degree from an accredited institution, who is not seeking a degree from the College, needs only to verify his baccalaureate degree to the Office of Admissions and Records by filing an official transcript from the institution where his degree was earned.

#### **Former Students**

A former student of the College, who is returning after graduation or after an absence of one or more quarters, is required to submit official and complete transcripts covering any college attendance since the date of his last enrollment at CSCB.

#### **Summer Session and Extension Registrants**

A student seeking to enroll for summer session or extension is not required to file official transcripts unless he plans to seek formal admission to a regular program to complete requirements for a degree.

#### LIMITATION OF ENROLLMENT

Applicants for admission are notified that pursuant to Section 40650 of Title 5 of the California Administrative Code concerning limitation of enrollment, admission to California State College, Bakersfield does not guarantee admission to a particular major or to any courses required for that major. Although every effort will be made to notify students of majors which are at capacity, such notification cannot be guaranteed.

#### CANCELLATION OF ADMISSION

A student who is admitted to the College for a given term, who decides not to take advantage of such admission, should notify the Office of Admissions and Records immediately of his change in plans. A student who is admitted but does not enroll, and who later wishes to undertake work at the College, must file a new application, pay a new application fee, and meet all current requirements for admission. Material supporting the application for admission, such as transcripts and entrance examination scores, are retained only for one year from the date of their original submission.

#### **CAMPUS VISITS**

Prospective students and their parents are invited to visit the campus to talk with faculty and staff concerning their educational objectives and the educational programs available at the College. Although an interview is not required prior to admission, a visit to campus will aid in gaining a sense of the educational atmosphere and the collegiate environment.

### ESTIMATED COSTS PER QUARTER

It is estimated that commuter students will pay from \$20 to \$30 for books and from \$35 to \$50 for fees, plus parking costs, each quarter. Students who live in off-campus private housing should allow \$350 to \$450 each quarter for room and board and incidental expenses (exclusive of transportation). Tuition for non-residents of California is paid in addition to the above costs.

## REGISTRATION

Registration is the final step in the matriculation process. When a student has been admitted to the College and has determined which subjects he should take, he is ready for registration. Academic advisement must precede registration.

A class schedule listing courses offered and the procedure for registration is available before registration for each quarter. No student may attend classes until his registration has been completed. Registration is complete only when official programs are properly filed and all fees and deposits are paid. A student may not receive credit in any course for which he is not registered. Registration by mail or proxy is not permitted unless specifically authorized by the Office of Admissions and Records.

#### CHANGE OF REGISTRATION

No change in a student's program of courses will be recognized unless it is made on official forms, properly approved and accepted at the Office of Admissions and Records. Unauthorized withdrawal or dropping of a course will result in a final grade of "F". Students may add courses by filing an approved "request for program change" in the Office of Admissions and Records.

#### **REGISTRATION DATES**

Registration dates and the last day to register for classes are published in the Class Schedule and the College Catalog. Late registrants may find themselves handicapped in arranging their programs due to closed classes. A \$5.00 fee is required for late registration.

#### CHANGE OF ADDRESS

A student who changes his local or permanent mailing address after admission or registration should immediately notify the Office of Admissions and Records in order that registration materials, grades, correspondence, and other information reach the student without unnecessary delay.

#### FEES AND REFUNDS

Fees are established in accordance with State laws and the regulations of the Trustees of the California State Colleges, and are subject to change as prescribed by law.

#### Registration Fees

Payable at time of registration. No individual can be admitted to class prior to payment of all required fees.

Materials and Service Fees (Per Quarter)	
Regular Students (over 6 units)	\$36.00
Limited Students (1 to 6 units)	18.00
Facilities Fee (Per Quarter)	
Regular Students (over 6 units)	2.00
Limited Students (1 to 6 units)	1.00

# Student Activity Fees

No student shall be required to pay an aggregate amount in excess of \$20.00 for the entire academic year.

#### Insurance Fee

An optional basic health insurance plan will be made available to students at a nominal cost.

Other Fees and Charges (in Addition to Registration Fees)  Non-Resident Tuition—Maximum \$297.00 per quarter, subject to change.
Per unit. as follows:
For the first 15 units (per quarter) \$20.00
For the 16th unit and over None
Identification Card Cost
Application Fee (non-refundable) 10.00
Late Registration Fee (non-refundable) 5.00
Graduation Fee10.00
Check returned from bank for any cause 2.00
Change of program 1.00 Transcript of record (no charge for first copy) 1.00
Failure to meet administratively required appointment or time limit 2.00
Music studio lessons (per lesson) 1.00-6.00
Music studio lessons (per lesson) 1.00-6.00 Replacement of equipment or materials lost or damaged Cost of item
Library books or materials lost or damaged Cost + 1.00
Summer Session (per unit) 15.00
Extension Courses (per unit):
Lecture and Discussion Courses 12.75
Activity Courses 16.25
Science Laboratory Courses 25.25
Parking Face.
Parking Fees:
Non-reserved spaces, autos
Non-reserved spaces, autos Regular students, per quarter
Non-reserved spaces, autos Regular students, per quarter 9.00 Limited students, per quarter 4.00
Non-reserved spaces, autos Regular students, per quarter 9.00 Limited students, per quarter 4.00 Six-week session or period 5.00
Non-reserved spaces, autos Regular students, per quarter 9,00 Limited students, per quarter 4,00 Six-week session or period 5,00 Three-week session or period 3,00
Non-reserved spaces, autos Regular students, per quarter 9,00 Limited students, per quarter 4,00 Six-week session or period 5,00 Three-week session or period 3,00 Reserved spaces, per month or major fraction thereof 5,00
Non-reserved spaces, autos Regular students, per quarter 9,00 Limited students, per quarter 4,00 Six-week session or period 5,00 Three-week session or period 3,00 Reserved spaces, per month or major fraction thereof 5,00 Two-wheeled, self-propelled vehicles licensed by State Depart-
Non-reserved spaces, autos  Regular students, per quarter 9.00  Limited students, per quarter 4.00  Six-week session or period 5.00  Three-week session or period 3.00  Reserved spaces, per month or major fraction thereof 5.00  Two-wheeled, self-propelled vehicles licensed by State Department of Motor Vehicles, per quarter 25% of above
Non-reserved spaces, autos  Regular students, per quarter
Non-reserved spaces, autos  Regular students, per quarter 9.00  Limited students, per quarter 4.00  Six-week session or period 5.00  Three-week session or period 3.00  Reserved spaces, per month or major fraction thereof 5.00  Two-wheeled, self-propelled vehicles licensed by State Department of Motor Vehicles, per quarter 25% of above

#### **Commuter Student Fees**

Beginning in September, 1971, those freshmen and sophomores who are "commuting members" of an academic village house will be expected to pay a nominal fee for which they will receive access to study, lounge, and locker facilities and to co-curricular programs of the house.

#### **Non-Resident Students**

The non-resident tuition fee is payable by all students who have not been legal residents of the State of California for at least one year immediately preceding the opening day of the school term. The rate of tuition to be paid by each non-resident student shall be \$890.00 per year (\$297.00 per quarter; \$20.00 per unit for the first 15 units per quarter; for the 16th unit and over, no charge).

EXCEPT THAT: The rate of tuition to be paid by each non-resident student who is a citizen and resident of a foreign country shall be \$255.00 per academic year (\$85.00 per quarter) per unit, as follows:

For the first 14 units, per quarter	\$5.75
For the 15th unit, per quarter	4.50
For the 16th unit and over, per quarter	None

Tuition payable by non-resident and foreign visa students is in addition to fees required of resident students, except for enrollment in extension or summer session. The non-resident fee will not be required of a student who is a child or spouse of an employee of the California State College. Certain certified full-time employees of a California School District are deemed to be resident students.

Initial determination of residence status is made by College officials prior to or at the time of registration, and fees must be paid at registration. Full refund of non-resident fees paid will be made if final determination by the College's legal advisor indicates that a student is a legal resident.

#### Refunds

Students who find it necessary to withdraw from the College may, under conditions prescribed by law, obtain a partial refund of fees. Application for refund of materials and service fees must be made not later than 14 days following the day of the term that instruction begins. In a case of illness, a duly authorized representative of the student may file the application for him.

Students who wish to make application for a refund should consult the Business Office for further information concerning the regulations which govern refunds or other fees

Upon withdrawal from the College, the State will refund the total materials and service fee, less \$10.00. Upon changing from Regular to Limited status, the State will refund the difference between the two applicable materials and service fees, less \$5.00.

For each unit of non-resident fee charged, the State will refund the entire fee charged during the first week of each quarter. Thereafter, 90% will be refunded the second week, 70% the third week, 50% the fourth week, 30% the fifth week, 20% the sixth week. There will be no refund after the seventh week.

Refunds for parking will be given upon application if the parking decal is returned. For the first 25 days of each quarter, 66% of the fees charged will be refunded. Between 26 days and 50 days, 33% will be refunded and no refunds will be given after 51 days.

Note: A non-resident student is any person who has not been a bonafide resident of the State of California for more than one year immediately preceding the last day a student may register without paying a late registration fee. The California State College, Bakersfield attorney on residence matters has sole authority for making residence determinations.

# STUDENT SERVICES

Student Services are offered to individualize and supplement college instruction. The Student Services program is based upon the principle that personal development and maturity are prerequisites to a happy and productive life. To these ends, Student Services are designed to help students gain full benefit from college life. The function of the Dean of Students is to coordinate the enrichment program of the College and to assist each student in meeting his individual needs.

The Dean of Students is responsible for the development and operation of the Student Services program and reports directly to the President of the College. Reporting to the Dean of Students are the Office of Admissions and Records (responsible for the functions of admissions, school relations, registration, and student records); the Office of Financial Aids and Placement; the Office of Activities and Housing (responsible for both on- and off-campus residential programs and student activities and cultural programs); the Counseling Center (responsible for personal counseling and testing, foreign student services, and orientation); and the Student Health Service.

#### **ACTIVITIES**

Through the Office of Activities and Housing, students and faculty are assisted in the development and operation of special interest organizations and student government. A program of sponsored activities provides opportunities for relaxation and entertainment, and contributes to the cultural and intellectual life of the College.

Students attending the College in the early 1970's will have the unique opportunity to be involved in the first developmental plans of the various student activity, cultural and recreational programs. Among the first student tasks will be the development of student government programs, as well as the development of the various academic and social organizations.

#### HOUSING

The Office of Activities and Housing will coordinate approved off-campus housing in private homes for those individuals having the need in 1970-71, when no College residence centers will be available. In 1971 and thereafter, when College residence centers will be available, all freshmen and sophomores not living at home or with legal guardians will be required to live in the residence centers. Students in any of the following classifications may live in College residence centers or may choose their own off-campus housing facilities:

- 1. Students 21 years of age and older.
- 2. Juniors under age 21, with parental approval.
- 3. Seniors under age 21, with parental approval.
- 4. Veterans.
- 5. Married students.

Other students may request special approval to live in off-campus facilities if extenuating circumstances exist.

On-campus housing will consist of living-learning centers designed to integrate the social, recreational, and intellectual phases of group living into College residence center programs. Plans call for holding classes and providing faculty offices in academic facilities that are associated with the residence centers, thereby allowing students to have close contact with the faculty near their housing. The residence centers will provide locker space, study carrels, and lounge areas for commuter students in order that they, too, may be involved in the various academic, cultural, and social programs. Information about living accommodations may be obtained from the Office of Activities and Housing.

#### COUNSELING AND TESTING

The College offers counseling services to the registered student that are designed to increase his opportunity to gain the greatest possible advantage from his college experience. The Counseling Center is staffed by professionally trained personnel and provides help to students in the following areas:

#### PERSONAL COUNSELING

Provided for those who may desire assistance or who may have difficulties arising out of economic, social, and emotional problems. Referral of problems which require deep and extended therapy is made to cooperating agencies and individuals within the community.

#### **VOCATIONAL COUNSELING**

Provided for those who wish help in the selection of suitable vocational objectives. Psychological tests are available to assist the student in appraising his academic strengths and weaknesses, as well as other personal characteristics which may affect his educational objectives.

#### **EDUCATIONAL COUNSELING**

Provided for those who may have general questions or problems relating to ineffective study habits, scholastic deficiencies, academic motivation, or educational objectives.

#### ACADEMIC ADVISING

The student's faculty advisor will provide assistance in course program determinations, as well as answer questions pertaining to academic policies and procedures.

#### FOREIGN STUDENT ADVISING

A special advisor is provided to help with problems of housing, liaison, finances, and personal adjustment which might otherwise hinder an education.

## INTERNATIONAL PROGRAMS

Information concerning study opportunities for American students in foreign universities is available in the Counseling Center. The foreign student advisor coordinates the selection of U. S. students applying for admission to one of the international programs operated by the California State Colleges in eight foreign countries.

#### STANDARDIZED TESTS

The College provides facilities for administering standardized tests under the direction of the counseling staff. Scholastic aptitude, achievement, study habits, temperament, interest, intelligence, and other tests are available to students upon the recommendation of a member of the counseling staff.

## **EDUCATIONAL ASSISTANCE PROGRAM**

Students admitted who require individual assistance in their academic programs will be provided with tutorial help and special services to assist them in reaching the level of achievement required of all students pursuing the baccalaureate degree.

#### FINANCIAL AIDS

The Office of Financial Aids and Placement administers a number of programs to enable students without adequate financial resources to attend the College. Eligibility is based upon family financial ability as reflected in the Parents' Confidential Statement (available from high school counselors or any college financial aids office) and processed by the College Scholarship Service of the College Entrance Examination Board. Applications for financial aid should be filed as early as possible prior to the start of a student's first term at the College in order to receive consideration, but not prior to the filing of the Application for Admission and other related documents.

A qualified applicant will be considered for a "financial aid package", which may include one or a combination of the following programs:

#### NATIONAL DEFENSE STUDENT LOAN

Provides up to a maximum of \$1,000 annually to undergraduates, based upon need and scaled to the number of units carried. Loan is interest-free while student is in college. Repayment plus 3% interest begins nine months after termination of college enrollment and may extend over a ten year period.

#### CALIFORNIA STATE AND/OR FEDERAL GUARANTEED BANK LOAN

Provides up to a maximum of \$1,000 annually to full-time undergraduates. Any student whose adjusted total family income is \$15,000 or less is eligible. Loan is interest-free while student is in college. Repayment plus 7% interest begins nine months after termination of college enrollment.

#### NURSING STUDENT LOAN AND SCHOLARSHIP PROGRAM

The loan program provides up to \$1,000 annually, based upon need, to full-time undergraduate students enrolled in nursing curricula. Loans are repayable over a ten year period which begins one year after completion of the program, or when a student otherwise ceases to pursue the full-time course of study. Loan is interest-free while student is enrolled in the program and a cancellation clause is available whereby employment as a professional nurse may cancel up to fifty percent of total loan.

The scholarship program provides funds to cover fees, books, equipment, and living expenses not to exceed \$1,500 per year, based upon student need.

#### **COLLEGE WORK-STUDY PROGRAM**

Provides employment based on financial need up to 15 hours per week while classes are in progress and 40 hours per week during vacations, for full-time students. Work opportunities are available in various College departments on campus. A special effort is made to match students to jobs on the basis of experience and vocational objectives.

#### **EDUCATIONAL OPPORTUNITY GRANT**

Provides gift assistance ranging from \$200 to \$1,000 annually to full-time undergraduate students of exceptional financial need, whose low family incomes allow little, if any, contribution toward college expenses.

#### **SCHOLARSHIPS**

A limited number of College scholarships are available to students, based on need. Entering students should explore available scholarships through other sources such as high school counselors, California State Scholarship and Loan Commission, etc.

#### SHORT TERM LOANS

An emergency loan fund will provide to students small amounts of money on a short-term loan basis for minor emergencies.

#### PLACEMENT

Career placement services providing opportunities to interview for employment are available to graduating seniors, candidates for teaching credentials, and alumni. This Office serves as a repository for the confidential papers of students and alumni who register for this service. Persons will be assisted in finding employment in business, government, education, etc., for both full-time and part-time positions. Students will also be assisted in gaining summer employment.

#### STUDENT HEALTH SERVICE

The purpose of the Student Health Service is to maintain a state of optimum physical and emotional health. To this end, the Student Health Service provides those services normally administered in a physician's office.

In addition all students may be insured under a modestly priced basic health and accident insurance policy which covers emergencies on or off the campus, ambulance fees, and X-ray and laboratory services (by referral through the Student Health Service). Students not already protected by an insurance program are urged to consider this supplementary plan.

Students planning to enroll at the College should note that the medical history and physical examination required by law must be submitted before final registration.

#### **ORIENTATION**

All new students will receive invitations to participate in orientation programs prior to the start of their first term. The orientation program will offer an opportunity to become acquainted with the campus and to plan programs of study.

#### SELECTIVE SERVICE

The determination of a male student's Selective Service classification and status is the responsibility of the local Selective Service Board where the student is registered. The College will report the enrollment status of male students to local Selective Service Boards only when requested to do so by the student.

Full-time enrollment status for the Selective Service system is defined as being registered in 12 or more credit units in any term. A student should normally complete 45 quarter units in each 12-month period following the first enrollment at the College in order to be making normal progress toward a degree. Newly admitted students may request that the Office of Admissions and Records report acceptance for admission to local Selective Service Boards.

# VETERANS' SERVICES

The Office of Financial Aids and Placement administers the Veterans' Services program. This Office advises veterans on matters relating to the provisions established by the Federal Government governing college attendance. All veterans should contact this Office prior to registration. Veterans may receive credit for physical education if they have been in continuous active military service for at least one year. Copies of discharge forms (DD-214) must be presented to the Office of Admissions and Records.

Certain dependents of deceased war veterans are entitled to educational benefits from the Veterans Administration. When the student believes that he may be entitled to such benefits, he should contact his local Veterans' Administration office and the Office of Financial Aids and Placement soon after being approved for admission to the College.

Students who plan to attend the College under the Veterans' Readjustment Benefits Act of 1966 (Cold War G.I. Bill) must complete and present to the Office of Admissions and Records a valid Certificate of Eligibility, in duplicate, authorizing training at California State College, Bakersfield.

The College will certify the following course levels to the Veterans' Administration:

# Undergraduates

Full-Time	14	quarter units
% Time	10-13	quarter units
½ Time	7- 9	quarter units
Less than ½ Time See the Office of Financial	Aids a	nd Placement

#### STUDENT CONDUCT

Students are expected to conduct themselves so as to reflect credit to themselves and to the College. One of the fundamental objectives of the College is to foster the development of students as active and responsible citizens in a democratic society. Students are, therefore, expected to make steady growth in maturity, self-reliance, and self-discipline as they progress toward a degree or credential. To help students achieve this end, the College places reliance not only upon its instructional program, but also upon student government and student-faculty collaboration in many aspects of College community life. For the vast majority of students, these constructive means of defining and learning good standards of conduct and integrity are effective. Student committees are responsible for group conduct at functions sponsored by any officially recognized campus organization whether the events are held on the campus or elsewhere.

In the few instances where disciplinary action is necessary because students have failed to respond to the positive approach which is emphasized in dealing with questions of conduct and responsibility, the College is guided by the California Administrative Code.

This Code provides that a student may be placed on probation, suspended, or expelled for any one of the following reasons:

- 1. Disorderly, unethical, vicious, or immoral conduct.
- 2. Misuse, abuse, theft, or destruction of State property.

A student dismissed for disciplinary reasons may be readmitted to the College by administrative action or by College Review Board action.

# ACADEMIC INFORMATION

The academic program of the College provides for a student's course work to consist of three approximately equal segments: general education requirements, to be satisfied during the freshman and sophomore years; concentration requirements, which may be begun as a sophomore and will occupy a major part of the junior and senior years; and electives. The requirements for general education and for concentration have been designed to provide substantial opportunity for the student to select from a variety of possibilities.

#### INTEGRATION OF LIVING AND LEARNING

The college plan has been designed to insure that the classroom and nonclassroom portion of the students' college experiences will supplement each other. For lower division students there will be academic villages in each of which 700 residential students, together with a comparable number of commuting students, will have their classrooms, lounge study areas, and dormitory rooms grouped in a single part of the campus. The first eight "houses" of Academic Village I are scheduled to open September, 1971.

Although most offices for faculty members of the College will be grouped by departments in order to facilitate professional interchange, the plan calls for having groups of "resident Fellows" who will have special relationships with students in particular living units.

In the College's first years, any dormitory rooms not filled by freshmen and sophomores will be made available to upper division students who wish to live on the campus. As more buildings are erected the College's plan calls for providing juniors and seniors with their own dormitories and other nonclassroom facilities.

#### ACADEMIC ADVISING

Each freshman and sophomore is assigned a faculty advisor who is associated with the house of an academic village to which the student is assigned. (During 1970-71, while the first portion of Academic Village I is still under construction, freshmen will be divided among five "houses" that will serve as administrative groupings, preparatory to the opening of the physical houses that is scheduled for September, 1971.

When a student is ready to become an upper division major in one of the schools or divisions of the College he is assigned a faculty advisor in his area of concentration. Assignment of these advisors is made by the Deans of Schools and Division Chairmen following an interview with each student. (All students are expected to confer with the Dean prior to assignment of the advisor.)

Prior to registration (or pre-registration) the student must confer with his advisor in order to work out an approved program of upper division studies. Additional conferences with the advisor are required in the quarter prior to the senior year and prior to the final quarter. In addition, discussion with the advisor is recommended prior to changing the major program, and the student is encouraged to confer with his advisor as often as he feels necessary.

#### GENERAL EDUCATION

In conformity with the 1968 revision of the General Education requirements established by the State Board of Trustees, the College requires 60 quarter hours distributed among natural sciences and mathematics, humanities, behavioral sciences, and Basic Subjects. The requirements also include three hours of work in a Sophomore General Education Seminar and three hours in physical education and health.

#### **GENERAL EDUCATION REQUIREMENTS**

- 1. Ten quarter hours (two courses) in Basic Subjects. This will be satisfied by one quarter of Written Composition and Speech and one quarter of either Mathematical Inference and Computation, Logic, or Advanced Composition. Either or both parts of this requirement will be waived for students who receive a satisfactory score on a proficiency examination administered by the College. A course taken to satisfy part of this requirement may not be counted toward satisfaction of another General Education requirement.
- Fifteen quarter hours (three courses) from at least two departments (not including Nursing) in the School of Natural Sciences and Mathematics. This work must include one course (numbered 100) dealing with a discipline in perspective.
- Twenty quarter hours (four courses) from at least three departments in the School of Humanities. This work must include one course dealing with the nature of a discipline: English 101, Fine Arts 101, History 101, Philosophy 101.
- Fifteen quarter hours (three courses) in behavioral sciences. This can be satisfied by courses taken in at least two of the following departments: Economics, Political Scence, Psychology, Sociology/Anthropology.
- 5. Three quarter hours in the Sophomore General Education Seminar.
- Three quarter hours in physical education and health. TOTAL—66 quarter hours.

#### **Sophomore Seminar**

During each quarter of his second year every student will take a Sophomore General Education Seminar, meeting two hours every alternate week for one hour of credit per quarter. This Seminar will involve written comment and oral discussion of fifteen brief but significant assignments dealing with different areas of the natural sciences and mathematics, humanities, and behavioral sciences. Students in each Seminar section will be drawn from one house of an Academic Village. The Seminar will be designed to give students an overview of the fields covered in lower division General Education work preparatory to their movement into upper division work in their areas of concentration.

Students transferring to the College with more than one year of academic credit earned elsewhere will not take this course. If this creates problems for them, they will be given permission to take a special three-hour course during their senior year.

#### ACADEMIC OFFERINGS

During its first years the College will concentrate its efforts on the development of the strongest possible programs in a limited number of disciplines in the liberal arts and sciences and in the professional areas of Business Administration, Education, and Nursing.

As enrollment increases and available resources make curricular expansion appropriate, programs will be developed in additional areas of the liberal arts and in a number of professional fields.

The College begins classes in September, 1970, with first- and third-year classes. For 1970-71 it will accept no second-year students, and no fourth-year students except for those who have been previously enrolled at the Bakersfield Center of Fresno State College. Since all of these transfers from the Center will have been working in the fields of social studies and English, the three degrees indicated for 1970-71, History, Sociology, and English, will meet the need.

In 1971-72 it is proposed to offer degrees in nine additional fields: Earth Sciences, Mathematics, Fine Arts, Spanish, Philosophy, Economics, Political Science, Psychology, and Business Administration.

These twelve majors will be available for students who begin work on this campus in 1970-71 after having completed two years of college work elsewhere. The College is projecting the first award of bachelor's degrees in Biology, Chem-

istry, and Physics in June, 1973.

The B.S. in Nursing is scheduled for June, 1974.

The first graduate degree offered will be the M.A. in Education in June, 1973. Several additional Master's degrees have been tentatively approved for the college's fourth and fifth years.

#### CONCENTRATION REQUIREMENTS AND SENIOR SEMINAR

The program of the College is designed to induce students to recognize the cumulative and interrelated nature of their undergraduate program.

#### BACHELOR OF ARTS

Each candidate for a Bachelor of Arts degree in one of the liberal arts will be required to have a major of at least 35 quarter hours and also have a minor of at least 15 quarter hours in a discipline complementing his major. In addition to taking regular courses in his area of concentration, each student will take a one-quarter Senior Seminar for five credits. During the first two-thirds of this quarter he will meet with other majors in his department to consider the nature of the discipline, bringing to bear the material of the various courses he has taken in the area. The second part of the Seminar will be devoted to consideration of the interrelationships between his major and mipor departments. This work will take the form of crossover seminars led by one faculty member from each of the two departments working with, for instance, those seniors who are majoring in History and minoring in Philosophy and also those Philosophy majors who are History minors.

Those pairings of departments which will have general approval of major-minor combinations during the first years of the College are set forth in Table I. Additional combinations may be approved later if the faculty in two departments feels that their two disciplines are closely enough related to justify crossover work.

#### BACHELOR OF SCIENCE

Students majoring in one of the sciences or in a professional program will be required to have a major of at least 55 credit hours, including a Senior Seminar. They will not be required to have a minor, though course work in a related area may be counted toward the major.

## TABLE I

#### **MAJOR-MINOR CONCENTRATIONS**

NOTE: Each candidate for a BA in one of the liberal arts will be required to have a minor of at least 15 quarter hours in a related discipline. Part of his Senior Seminar will be devoted to consideration of the relationships between the two disciplines in which he is concentrating.

The exhibit below indicates the combinations of major and minor which will be automatically acceptable provided only that the major and minor have been established by the year in question and that the staffs of the departments are adequate to administer the crossover meetings.

Additional combinations may be approved later either as a result of faculty decisions that a major-minor combination is generally appropriate or in response to a petition from a student who is interested in relating two fields which are not usually recognized as being complementary.

#### MAJORS

MINORS	Fine Arts	English	Spanish	History	Philosophy	Есопотіся	Political Science	Psychology	Sociology
Art		Х	х	х	Х			х	Х
Music		Х		х	Х			х	х
Speech and Drama		х		Х	Х		Х	х	Х
English	Х		х	х	Х		х	х	Х
French	Х	Х	Х	х	Х				
German	Х	Х	х	х	Х				
Spanish	Х	Х		х	Х				
History	Х	Х	х		Х	Х	Х		Х
Philosophy	Х	Х		х		Х	х	х	х
Religious Studies	Х	Х		х	Х		Х	х	х
Economics				х	Х		х	X	Y
Political Science		Х		х	Х	Х		Х	х
Psychology	Х	Х			Х	Х	х		Х
Anthropology	Х			х		- 100.00		х	
Sociology		Х		Х		Х	х	Х	
Afro-American Studies	Х	Х		х	Х	Х	х	Х	Х
Mexican-American Studies	Х	Х	Х	х	Х	Х	х	Х	Х
Asian Studies	Х			х	Х	Х	х	676	Х
Latin American Studies	Х		х	х		Х	х		Х
Geography				х		х	х		х
Biology								х	
Mathematics					Х	х		Х	
Business Administration						х	х	х	Х

The cumulative significance of the program features outlined above is that college-wide requirements for a degree are as follows:

Minimum	concentration,	including	Senior	Seminar		55	quarter	hours
Total	hours required	for gradu	ation		1	86	quarter	hours

In addition to the college-wide concentration requirements each school, division, or department may have additional requirements for its majors. These are listed under each area.

## INDIVIDUAL STUDY

A major goal of this College will be the inculcation in its students of a commitment to continuing self-education in the years following their graduation. If the College has been successful in this endeavor, many of its students will have reached a point by their senior year in which they will have the competence and the self-discipline necessary to carry out independent study projects. The program of the College will encourage these students to enroll for individual study and research, either on a genuinely independent basis or in cooperation with faculty members who are carrying out research programs.

## AMERICAN INSTITUTIONS REQUIREMENT

The California Education Code requires that each student qualifying for graduation with a bachelor's degree shall demonstrate competence in the following areas of American institutions:

- 1. The Constitution of the United States
- 2. American history, including the study of American institutions and ideals
- 3. The principles of state and local government established under the Constitution of the State of California

Each student shall meet these requirements, either by passing a comprehensive examination on these fields prepared and administered by the College or by completing appropriate courses.

Students transferring from other accredited institutions of collegiate grade who have already met these requirements will not be required to take further courses or examinations therein.

Information as to C.S.C.B. courses which will count toward satisfaction of this American Institutions Requirement, and as to arrangements under which proficiency examinations will be given on the campus, can be secured at the time of registration.

#### PRE-PROFESSIONAL PROGRAMS

The academic programs of the College provide appropriate preparation for graduate work in a variety of fields. Students who have reached tentative decisions as to institutions in which they may want to undertake graduate work should consult the catalogs of those graduate schools as they plan their undergraduate program.

Designated officials at C.S.C.B. will provide students with guidance in the selection of programs designed to prepare them for subsequent study in professional schools oriented toward careers in such fields as business administration, theology, engineering, forestry, and college teaching.

## PRE-LAW

Law schools are concerned about the general quality of an applicant's undergraduate education rather than about his having taken specific courses. Advice on preparation for law school will be available to C.S.C.B. students from the Dean of the College.

#### PRE-MEDICAL PROGRAMS

The College offers course work appropriate to meet the requirements of medical and other professional schools in the health sciences including dentistry, veterinary medicine, and pharmacy.

While the pre-medical student may major in any area of interest to him, most medical schools also require certain minimum amounts of course work in biology (two years), chemistry (two years), and physics (one year). Courses which would ordinarily be used to satisfy these requirements include: Chemistry 201, 202, 203, and 311, 312, 313; Biology 201, 202, 203, 304, and 411, 412, or other upper division electives; Physics 201, 202, 203; or equivalent. Course work in mathematics is highly recommended.

Although application to medical school may be made after three years of college work, competition is severe and the student is advised to select courses so that, should admission be denied, he would be able to complete requirements for the B.S. degree, including a major, within one additional year.

Students interested in pre-medical and other health science programs are advised to consult information concerning admission requirements to pre-professional schools available in the office of the Dean of the School of Natural Sciences and Mathematics and to confer with the dean.

Majors in chemistry and biology will be first offered in June, 1973. A student entering as a junior in September, 1970, will be able to secure the course work normally required for admission to medical school but will find it necessary to select a major from among those offered in June, 1972.

## INTERNATIONAL PROGRAMS

The California State Colleges offer academic year programs of study at a number of distinguished universities abroad. For 1969–70 the cooperating universities are: University of Aix-Marseille, France; Free University of Berlin and University of Heidelberg, Germany; The Hebrew University of Jerusalem and Tel Aviv University, Israel; University of Florence, Italy; Waseda University, Tokyo, Japan; University of Granada and University of Madrid, Spain; University of Stockholm and University of Uppsala, Sweden; National University, Taiwan. Academic work successfully completed at the cooperating universities abroad may be applied toward the degree requirements of the College in accordance with college regulations.

A selection among applicants from all California State Colleges is made on the basis of academic, linguistic, and personal qualifications. The criteria are:

- Upper division or graduate standing by the beginning of the academic year abroad;
- b. Academic achievement:
- c. Proficiency in the language of instruction;
- d. Faculty recommendations

Cost to the student includes round trip transportation from San Francisco to the host university, room and board for the academic year, and medical insurance. In 1969–70 these costs are: France, Germany, Spain, \$2,300; Israel, Taiwan, \$2,000; Italy, Japan, Sweden, \$2,500. Payments may be scheduled throughout the year.

Programs in Israel, Italy, Japan, Sweden, and Taiwan do not require previous linguistic preparation; applicants for all other programs must demonstrate adequate facility in the language of instruction at the host university.

Application for the 1970-71 academic year should be made early in the Fall semester of 1969. Detailed information may be obtained at the Counseling Center, or by writing to the Office of International Programs, The California State Colleges, 1600 Holloway Avenue, San Francisco, California 94132.

## REQUIREMENTS FOR THE BACHELOR'S DEGREE

To qualify for a bachelor's degree, a student must satisfy the specific requirements in the following areas:

#### UNITS

A minimum of 186 quarter units is required. At least 60 units completed after advancement to junior standing must be in courses recognized for upper division credit.

#### RESIDENCE

A student must complete a minimum of 36 quarter units in resident study at the College. At least 18 of these 36 units must be completed among the last 30 units taken in fulfillment of degree requirements.

#### SCHOLARSHIP

Each student must complete, with a grade point average (G.P.A.) of 2.0 (C) or better: (1) all acceptable college units attempted, (2) all units attempted in a major field of study, and (3) all units attempted at this College.

Credits in courses that may be applied toward both general education and major and minor area requirements may be used to satisfy content requirements in both areas and students will be eligible for that number of elective units to fulfill total graduation unit requirements.

Students may elect to meet the graduation requirements in effect at any one of the three times indicated below:

1. During the term they entered the College.

During the term they began college as beginning freshmen, with the exception that for transfer students this can be no more than three years prior to their transfer to the College.

3. During the term in which graduation requirements are completed.

#### CHANGE OF DEGREE OBJECTIVE

Whenever a student wishes to change his degree objective from "Undeclared" or any specified major to another major area of study, he is required to submit the "change of degree objective" form to the Office of Admissions and Records. Students who have completed 75 quarter units or more must receive written approval from the Dean of their new School prior to submitting the form to the Office of Admissions and Records. Other students may submit the form directly.

## SECOND BACHELOR'S DEGREE

The College does not encourage students to seek a second bachelor's degree. A student who has the ability and the interest will normally be better advised to satisfy the prerequisites to a second field and seek the master's degree. There are exceptions, however, and for this reason the College would follow the guidelines listed below:

 A student may not be granted two bachelor's degrees at the time of meeting the requirements for graduation from the College.

A student desiring a second bachelor's degree should have, prior to his admission, the approval of the Department Chairman of the major in which he seeks the second degree.

3. To earn a second bachelor's degree:

a. the student should meet the general education requirements of CSCB:

b. the student should meet the concentration requirements for the second degree:

c. units taken for the first bachelor's degree may be counted, but the student must take an additional 36 units of work and meet residency requirements. Graduates of CSCB must take a minimum of 15 quarter units of these 36 quarter units in residence.

## GRADING SYSTEM

G . G	Grade Point	
Grade Symbol	Explanation Quarter Hou	TUMI
A	Excellent	4
<u>B</u>	Good	3
C	Average	2
D	Passing	1
F	Failing	0
W	Withdrawal-Passing	0
WF	Withdrawal-Failing	0
	Incomplete	0
CR	Credit	0
P	Pass	0
NC	No Credit	0

Credit—For advanced placement credit or credit by examination. Pass—For passing a "pass—no credit" course.

No Credit—For not passing a "pass—no credit" course.

Grade point averages are computed by dividing the number of grade points earned by the number of units attempted. Only units and grade points earned by a student while enrolled at this College are used to compute resident grade point averages.

W (Withdraw-Passing) is the recorded grade if the student withdraws from a course after the last day to withdraw without penalty. A "W" grade is then recorded only if the student is passing at the time of withdrawal. A course with a "W" grade is not counted as work attempted and is not included in computing the student's grade point average.

WF (Withdraw-Failing) is the recorded grade if the student is failing at the time he officially withdraws from a class after the last day to drop a class without risk of penalty. (An "F" is the recorded grade when a student is registered for a course and placed on the class roster and then drops out of the course unofficially -that is, without filing a "change of program" in the Office of Admissions and Records.) A course that is completed with an "F" or "WF" is counted as attempted work and is included in computing the student's grade point average.

I (Incomplete) is recorded when a student has been doing satisfactory work in a course, but for reasons judged appropriate by the instructor should be permitted additional time to complete the requirements. The instructor will submit an "Incomplete" notice and the symbol "I" will be entered on the student's permanent record. In order to receive a final grade in the course, the student must complete remaining requirements in a manner and by a time acceptable to the instructor, but in no case later than the close of the next regular quarter in which the student is enrolled at the College.

Students may not remove an "Incomplete" by re-enrolling in the course. An "Incomplete" appearing on either the student's permanent college record or transcripts from other institutions will be considered as an "F" and will affect his grade point average. If a student subsequently completes a course which is recorded as "Incomplete" on a transcript from another institution, it is his responsibility to submit a corrected official transcript and advise the Office of Admissions and Records that he wishes to receive credit.

An "Incomplete" remaining on a student's permanent record after the expiration of the time limit for removal will automatically become an "F" and be counted as such in determining grade point averages. Incompletes earned in summer session must be completed in the next quarter of resident study or the next resident summer session, whichever occurs first.

#### PASS, NO-CREDIT COURSES

To encourage students to broaden their educational experience without fear of jeopardizing their cumulative grade point average, the College permits many students to take one course per quarter on a pass, no-credit grading basis. This program is open to any full-time student who (a) has completed his general education requirements and (b) has successfully completed 15 units of credit at the College the preceding quarter of enrollment.

An eligible student desiring to enroll in a course on a pass, no-credit basis must indicate his intention at the time of enrollment. Students may change their enrollment for pass, no-credit grading only during the period in which they are allowed to make changes in their regular academic programs.

Regular courses taken on a pass, no-credit basis may not be counted toward major or minor concentration requirements for graduations.

Pass, no-credit registration is also used for courses numbered 0-100, not counting toward graduation and for some special courses such as Music 403, Individual Instruction, where letter grades are not deemed appropriate.

#### **GRADE CHANGE POLICY**

A change in letter grade can be approved by the Department Chairman *only* in the case of a declared clerical error. The definition of clerical error is an error made by the instructor or by his assistant in grade estimating or posting. Under no circumstances, except for completion of work when "I" was issued, may a grade change be made as the result of work completed or presented following the close of a grading period.

## STUDENT CLASSIFICATIONS

# Class Level:

Freshman	0 to 44½ quarter units
Sophomore	45 to 89½ quarter units
Junior	90 to 1341/2 quarter units
Senior	135 or more quarter units
Graduate	

(Unclassified) Possesses acceptable baccalaureate or advanced degree

Quarter Unit: A quarter unit of credit normally represents no less than one hour of classwork and two or more hours of outside study per week for one quarter. One and one-half (1½) quarter units are equivalent to one (1) semester unit of credit.

#### **Admission Status:**

Final	Met all admission requirements
Probational	Admitted with scholastic deficiency
Conditional	Permitted to register pending official verification of final
	admission status
Extension	Permitted to register for extension course work only
Summer	Permitted to register for summer session course work
	only

#### **Registration Status:**

Continuing	Student enrolled in regular programs in last quarter
Former	Returning student who registered in a previous term,
	but not the most recent regular quarter
New	Student who is registering in a regular term for the first
	time

#### Full-Time:

- 1. For fee purposes, students registering for more than 6 quarter units of credit.
- For certification under the Veterans' Readjustment Benefits Act of 1966 (Public Law 89-358), undergraduate students registering for 14 quarter units or more of credit.
- For all other purposes, undergraduate students registering for 12 quarter units or more of credit.

Part-Time: Students registering for less than 12 quarter units of credit, except as noted above.

## COURSE NUMBERING SYSTEM

- 1- 99 Courses which carry no credit toward a degree or a credential.
- 100-199 Lower division courses designed as freshman level, but also open to other students.
- 200-299 Lower division courses designed as sophomore level, but also open to other students.
- 300-499 Upper division courses, but may also be open to sophomores.
- 500-599 Dual level courses designed for seniors and graduate students.
- 600-699 Graduate courses limited to graduate students.
- 900-999 Courses designed for professional groups seeking vocational improvement or career development. Credit for these courses would not apply to degrees or credentials.

## **CLASS SCHEDULE**

An official class schedule prepared each term by the College includes the registration schedule, procedure for registration, fees, classes offered by hours, and other pertinent registration information. The schedule is available several weeks in advance of registration each term and copies may be obtained from the College Bookstore for a small fee.

## ACADEMIC COURSE LOAD

A student is normally permitted to enroll in a maximum of three full-term courses each quarter, the equivalent of 15 quarter hours, plus one or two single-credit courses. Permission to enroll in more than seventeen hours of work per quarter may be requested by petition but will not be granted except in extremely unusual circumstances.

## **CLASS ATTENDANCE**

Class attendance is expected of all students enrolled at the College. The instructor in each course sets the standard he expects his students to meet in this regard. When a student is absent from classes, it is his responsibility to inform his instructors of the reason for his absence and to arrange to make up missed class work and assignments. If a student is to be absent for the remainder of a term, withdrawal from the course or from the College should be initiated by the student in the Office of Admissions and Records (see WITHDRAWAL FROM COLLEGE). Where such absence or withdrawal is caused by illness, the student must report to the Health Service upon return to the College.

## REPEAT COURSES

When any course is repeated at C.S.C.B., both grades are considered in computing grade-point averages. However, successful completion of a course originally passed carries no additional unit credit toward a degree or credential.

## EVALUATION AND ACCEPTANCE OF CREDIT

After a student has been accepted for admission, the Office of Admissions and Records will evaluate previous college work in terms of its relationship to the graduation requirements of the College. Each transfer student seeking a degree will be issued an evaluation of transfer credit which will serve as the basis for determining the remaining requirements for the student's specific objective. The evaluation remains valid as long as the student matriculates at the date specified, pursues the objective declared, and remains in continuous enrollment. These evaluations are conditional and are subject to revision by the Dean of the School of the student's major during the first quarter that the student is in attendance; therefore, transfer students should discuss their evaluation in detail with their academic advisors to insure that all credit earned has been granted and that they have satisfied prerequisites for future requirements.

## Transfer of Credit from a Junior College

Junior college credit is allowed up to a maximum of 105 quarter (70 semester) units. No upper division credit may be allowed for courses from a junior college, nor may credit be allowed for professional courses in education or courses not appropriate in purpose, scope, and depth to a baccalaureate degree. Junior colleges may certify through established procedures that a student has completed in total the 60 quarter (40 semester) unit State College general education requirement in basic studies, science, humanitiés, and social sciences, or that individual completed courses meet all or a portion of one of the indicated areas of general education requirements.

## **Credit from Accredited Colleges**

Transfer credit for credits earned in regionally accredited colleges will be allowed on the basis of evaluations of courses submitted on official transcripts.

## **Credit from Non-Accredited Colleges**

Credits earned in non-accredited colleges may be accepted on a conditional basis and will be fully accepted only after a student has been enrolled for the equivalent of two quarters of full-time study and is eligible to continue in good standing.

#### Credit for Extension and Correspondence Work

The College will accept for credit towards a baccalaureate degree no more than 36 quarter units of credit earned through extension and/or correspondence courses. Of this amount, only 18 quarter units may be accepted in transfer from another college.

## Credit for Military and Peace Corps Service

Students with military or Peace Corps service of one year or more may receive 3 quarter units of physical education credit to be applied toward the physical education requirement for the baccalaureate degree. To receive credit, the student must present evidence of such completion by written certification by a recognized authority, such as papers from a military separation center or a statement signed by a senior officer.

#### **Grades in Transfer Courses**

Courses completed at other institutions in which the grades of A, B, C, or D have been earned will be counted for transfer purposes.

## **Summer Enrollment at Other Institutions**

Students enrolled at the College who wish to receive transfer credit for courses offered at other institutions in the summer should obtain prior approval of these courses from their School Dean or Division Chairman before enrolling in such courses.

## WITHDRAWAL FROM COLLEGE

#### MEDICAL WITHDRAWAL

A student who finds it necessary to withdraw from the College for medical reasons must report to the Student Health Service with written verification of illness or incapacity from a physician. Upon approval of the verification, the Student Health Service will initiate the withdrawal. A student who is given a medical withdrawal during a quarter may return to the College as a continuing student (application for readmission is not necessary) if no more than one full quarter has elapsed; however, it will be necessary for the student to notify the Office of Admissions and Records of his intent to return. Notification must be made before application deadline for that quarter. The student must apply for readmission according to regular admission procedures, if he is absent for more than one quarter.

## MILITARY SERVICE WITHDRAWAL

Any student who presents evidence of entering the armed forces may petition the Office of Admissions and Records for dismissal. No academic penalties will be assessed under these conditions, and a mark of "W" will be entered on the student's permanent record. A student who withdraws to enter military service may, upon application for readmission, be considered as a continuing student for purposes of graduation only.

#### OTHER WITHDRAWALS

A student contemplating withdrawal from the College because of personal or academic problems is encouraged to consult with the Counseling Center before taking official steps to withdraw. Students wishing to withdraw from the College can secure the necessary form from the Office of Admissions and Records. Clearance signatures to be obtained are listed on the form.

## SCHOLARSHIP STANDARDS

#### GOOD STANDING

Good standing indicates that a student is eligible to continue in attendance and is not under academic disqualification or disciplinary suspension from the College.

## PROBATION

Probation designates a student whose academic achievement has been unsatisfactory. A student is placed on academic probation whenever his quarter grade point average is less than 2.0, except for beginning freshmen who are exempt from this requirement in their first quarter of attendance. This grade point average is based only on work done at the College. A student on probation is eligible to continue his attendance at the College.

#### ACADEMIC DISMISSAL

Poor academic achievement may lead to disqualification. A student with the status of "academic dismissal" is not eligible to continue his attendance at the College. A student will be subject to academic dismissal if his grade point average in the quarter following a probationary regular quarter is less than 2.0 or if his cumulative grade point average two regular quarters after a probationary quarter is less than 2.0.

## READMISSION OF DISQUALIFIED STUDENTS

Students disqualified for academic reasons will ordinarily be considered for readmission only when they have satisfied one of the following conditions:

- If the student was in the lower division (completed fewer than 90 units), took college work elsewhere, and
  - a. brought his total college work completed to 90 or more units with an overall grade point average of "C" or better, with recent work clearly indicating the student is capable of performing college work with above average achievement, or
  - b. earned college credit elsewhere, attaining at least a "B" average in not less than 15 units:
- 2. If the student was in the upper division (completed 90 units or more), and
  - a. earned college credit elsewhere, attaining at least a "B" average in not less than 9 units, or
  - b. remained absent from college for at least *one year*, during which time he should have sought to remedy the conditions that may have contributed to his scholastic difficulty.

Students who have satisfied these conditions will be considered for readmission only after filing a regular application for re-entry and furnishing transcripts of all college work taken since disqualification. Readmission is not automatic. Each applicant is considered on an individual basis. Those students accepted for readmission will re-enter on academic probation.

## INTEGRITY OF SCHOLARSHIP AND GRADES

The principles of truth and honesty are recognized as fundamental to a community of teachers and scholars. The College expects that both faculty and students will honor these principles and in so doing protect the validity of College grades. This means that all academic work will be done by the student to whom it is assigned, without unauthorized aid of any kind. Instructors, for their part, will exercise care in the planning and supervision of academic work so that honest effort will be positively encouraged.

If any instance of academic dishonesty is discovered by an instructor, it is his responsibility to give a failing grade to the student for the course. In every case, the instructor should notify in writing the Dean of Students and the Dean of the School in which the student is enrolled of the circumstances of the case. In all cases of academic dishonesty, the first offense will result in the student receiving an "F" in the course and the second offense will result in the termination of the student's enrollment at the College.

Each student may appeal a judgment made by the College. When, in the judgment of the Dean of the School, action other than or in addition to a failing grade is warranted, the Dean may refer the case to a joint student-faculty committee.

## EXTENSION AND SUMMER SESSION PROGRAMS

Courses are available through the Extension and Summer Session Division and are offered as a separate function from the courses offered during the regular fall, winter, and spring quarters. Information concerning courses to be offered, admission to extension courses, and other details should be directed to the Director of Extension and Summer Session at the College.

## POST-BACCALAUREATE CREDIT

All graduate level courses taken during the term in which a student earns his degree that are not needed to fulfill degree requirements will, upon the approval of the "request for post-baccalaureate credit" form, be indicated on the student's permanent academic record as available for post-baccaureate credit. Request forms are obtained from and filed with the Office of Admissions and Records.

# OPPORTUNITIES FOR CREDIT AND ADVANCED PLACEMENT PROFICIENCY EXAMINATIONS

Qualified students may receive a waiver of some course requirements on the basis of satisfactory performance on proficiency examinations. A student may secure specific information on proficiency examinations by inquiring at the Office of the Dean of the College.

#### ADVANCED PLACEMENT

The College will award credit to those students who have passed with grades of 5, 4, or 3 one or more of the examinations given under the Advanced Placement Program sponsored by the College Entrance Examination Board. Credit will be allowed in courses most nearly equivalent to the material covered in the Advanced Placement Program. A student who has taken Advanced Placement Program examinations should request that his scores be sent to the Office of Admissions and Records.

#### COLLEGE-LEVEL EXAMINATION PROGRAM

The College Entrance Examination Board has established the College-Level Examination Program (CLEP) to enable those who have reached the college level of education outside the classroom through correspondence study, television courses, on-the-job training, and other means—traditional or non-traditional—to demonstrate their achievement and to use the test results for college credit or placement. For the General Examinations, credit will be given for each area passed with a scale score of 500 or better. For the Subject Examination, credit will be given for each area passed with a scale score of 50 or better.

The College-Level Examination Program (CLEP) makes it possible for students to apply the results of the College-Level Examinations for credit or placement. There are five General Examinations of which the student may write in one or more of the following areas: English Composition, Humanities, Mathematics, Natural Sciences, and Social Science. The General Examinations are intended to provide a comprehensive measure of undergraduate achievement in these five basic areas of the Liberal Arts. They are not intended to measure advanced training in any specific discipline, but rather to assess a student's knowledge of fundamental facts and concepts, his ability to perceive relationships, and his understanding of the basic principles of the subject. There also are approximately eighteen Subject Examinations from which the promising student may avail himself of the opportunity to earn credit by examination. The Subject Examinations differ from the General Examinations in that the former are more closely tied to course content and are intended to cover material that is typical of college courses in these subjects.

A student who has taken examinations through the College-Level Examination Program should request that his scores be sent to the Office of Admissions and Records.

#### CREDIT BY EXAMINATION

A student may petition to receive course credit by examination. In this manner, a student who already possesses or through independent study is able to acquire the ideas and concepts of a course can accelerate progress through the College.

Students must register for the examination in the Office of the Division or Department concerned during the first five days of the term in which the course is offered. No fee is charged for these examinations. The grade in the examination is that of "credit" or "no credit". A student who receives the grade of "credit" is given credit for that course toward graduation, provided that this does not duplicate other credit awarded. No official record is made of failures in these examinations, and grades received are not considered in computing averages.

#### CREDIT BY INDIVIDUAL STUDY

Individual study courses for 5 units of credit at the 400 level may be made available to sudents receiving the approval of the Dean of the School in which the departmental courses are offered. Students must present a 3.0 grade point average in at least 15 quarter units of study at CSCB and may apply a maximum of 20 quarter units of individual study toward graduation requirements. Registration for individual study courses must be completed at the same time and through the same procedures as registration for any other course.

## HONORS PROGRAM

The College offers to selected and interested freshman students the opportunity to participate in an honors program. This program is designed to service the wellqualified and highly motivated student who seeks to find the maximum challenge and thereby derive the maximum benefit from his college education.

The college-wide Honors Program will be available to freshmen in 1970-71 and to freshmen and sophomores in subsequent years. In certain of the departments, divisions, and schools of the College, individual honors courses and programs will be developed for junior and senior students. Information on the development of plans for these programs is available from the Office of the Dean of the College.

## **TRANSCRIPTS**

Official transcripts of courses attempted at the College are issued only with the written permission of the student concerned. Partial transcripts are not issued.

A student is entitled to one free transcript. A fee of \$1,00 for each subsequent transcript issued must be received before the record can be forwarded. Transcripts from other institutions which have been presented for admission or evaluation become a part of the student's permanent academic file and are not returned nor copied for distribution. Students desiring transcripts covering work attempted elsewhere should request them from the institutions concerned. No transcript can be issued until all accounts with the College are clear and the record is free of encumbrances.

## APPLICATION FOR GRADUATION

Candidates for degrees to be awarded at the end of a regular term must file applications with the Office of Admissions and Records no later than the end of the first week of instruction of the quarter in which they expect to complete graduation requirements. Applications for degrees to be awarded at the end of a summer session should be completed and filed in the Office of Admissions and Records before the end of the previous spring quarter. No application will be accepted for summer session degrees after the end of the first week of instruction of the regular summer session. Applications will not be approved unless all graduation requirements have been met as of the deadline date for filing, with the exception of courses included on the applicant's current official program.

All students are urged to apply for graduation the quarter before they plan to graduate. They may thus be notified prior to the advising and registration period for their last quarter of any deficiencies in graduation requirements.

## COLLEGE-WIDE ACADEMIC PROGRAMS

The following courses are offered outside the framework of the schools, divisions, and departments into which the remainder of the College's academic work is divided.

#### **COLLEGE-WIDE COURSES**

## Honors 101. Freshman Honors Seminar

An interdisciplinary seminar offered on various topics. For the well qualified and highly motivated student seeking the maximum challenge in his college education. Prerequisite: invitation by the Dean of the College. One hour credit. Not offered fall quarter, 1970-71.

## General Education 201. Sophomore General Education Seminar

This seminar will involve written comment and oral discussion of fifteen brief but significant assignments dealing with different areas of the natural sciences and mathematics, humanities, and behavioral sciences. This course is designed to give students an overview of the fields covered in lower division work preparatory to their movement into upper division concentration. One two-hour meeting per week for one unit of credit each quarter of the sophomore year. Each seminar group will consist of members of one house from an academic village. This course is required of all students doing their sophomore work on the campus.

## ETHNIC AND AREA STUDIES

In addition to programs in individual disciplines that may culminate in a departmental major and minor, the College plan provides for programs in interdisciplinary fields. In the first years these programs will take the form of ethnic and area study minors available to candidates for B.A. degrees with majors in disciplines to which these ethnic and area studies are related. The four programs of this type available to students graduating in June, 1972, and later are Afro-American Studies, Mexican-American Studies, Asian Studies, and Latin-American Studies.

Ethnic and area studies minors, like minors in individual departments, will consist of a minimum of three appropriate courses. Most students offering an ethnic or area studies minor will design their College programs to include more related work than is required by the three-course minimum. They should plan their programs in the awareness that a substantial number of courses in addition to those officially listed as counting toward the minor will contribute significantly to the comprehensiveness of their academic concentration.

The work in each field of ethnic and area studies will be supervised by a faculty committee headed by a chairman. A student planning an ethnic or area studies minor should select the courses to constitute that minor in consultation with the chairman of the appropriate committee.

Courses from the initial offerings of the College that may be used toward each ethnic and area studies minor are set forth below.

#### AFRO-AMERICAN STUDIES MINOR

English 201. Survey of Black Literature
History 319. History of the Black Man in America
Anthropology 320. Afro-American Culture
Sociology 310. Social Stratification and Class
Music 325. Afro-American Music
Economics 401. Economics of Poverty
Behavioral Science 351. Social Psychology of the Ghetto/Barrio

#### MEXICAN-AMERICAN STUDIES MINOR

History 320. The Mexican-American and the History of the United States History 315. Mexico and Central America since 1930

Spanish 415 and 416. Hispanic-American Literature

Spanish 495. Workshop in Mexican-American Literature

Art 314. The Art of Central and South America and Its Influence in the United States

**Economics 401.** Economics of Poverty

Behavioral Science 351. Social Psychology of the Ghetto/Barrio

#### **ASIAN STUDIES MINOR**

Anthropology 477d. Peoples of Asia

Art 478a and b. Asian Art

Earth Sciences 352. Spatial Geography

History 207. Survey of Asian History

History 309, 310. History of Southwest Asia

History 311, 312. History of the Far East History 316, 317. History of South Asia

Religious Studies 221. Eastern Religions

#### **LATIN-AMERICAN STUDIES**

Anthropology 477b. Peoples of South America

Earth Sciences 352. Spatial Geography

Economics 310. Economic Growth, Development, and Underdevelopment

History 208. Survey of Latin-American History

History 313. Latin America to 1830

History 314. South America since 1830

History 315. Mexico and Central America Since 1830

History 410. Seminar in the History of the Americas

Political Science 307. Developing Political Systems

Sociology 477a. Latin-American Societies

Spanish 303. Introduction to Hispanic-American Literature

Spanish 415. The Hispanic-American Novel

Spanish 416. Contemporary Hispanic-American Poetry

Spanish 418. The Contemporary Hispanic-American Novel

Spanish 419. Hispanic-American Culture and Civilization

## SCHOOL OF BEHAVIORAL SCIENCES

The five disciplines of anthropology, economics, political science, psychology, and sociology are contained within the School of Behavioral Sciences. In all areas, the central focus tends to be on man in the context of his various social environments rather than upon his institutions alone.

This School is committed to the broadest possible sound education and an undergraduate who elects to do much of his work in this School will find that the programs available are designed to permit a large amount of flexibility in the

specific direction of his individual course of study.

The School recognizes that many of the questions leading toward knowledge that may help to solve critical social problems are not confined neatly by the boundaries of conventional academic disciplines. Thus, the student may find that many of his courses deal with the concerns of more than one discipline, and indeed some of his courses will be listed in two or more departments. He may also find that many of his courses do not require particular, substantive, course prerequisites, since advanced courses in the behavioral sciences often require general conceptual familiarity and analytic ability rather than direct, specific, cumulative knowledge. It should be possible for mature, superior students in other fields, as they develop analytic abilities, to take advantage of certain more advanced work within the School.

In addition to an interdisciplinary focus, the School also recognizes two other aspects of modern social science. One of these involves systematic empirical observation and quantitative analysis, with substantial use of electronic computers. The other reflects a growing concern and awareness of the great social problems

of our age.

Accordingly, students who major in the subject matter of this School will ordinarily be expected to demonstrate some competency in certain basic skills of the contemporary world: statistics, computer techniques and, in some circumstances, foreign language. They will also find that, in a majority of their courses, they will be involved in original research concerned with real people and real problem areas.

Finally, many courses in this School will provide the opportunity for systematic examination of policy decisions by a variety of societal institutions along with opportunity for similar examination of a student's own attitudes and values.

In keeping with the desire of this School to keep its program as current and relevant as possible throughout its development, the faculty will regularly be proposing alterations, additions, and deletions. Suggestions from students will be welcomed.

#### GENERAL EDUCATION

Students must take three quarter courses drawn from at least two departments in the behavioral sciences in order to fulfill the General Education requirements. These may be chosen from any of the regular listings of the Departments of Economics, Political Science, Psychology and Sociology/Anthropology, providing the appropriate prerequisites for the specific courses are satisfied.

#### **CONCENTRATIONS AVAILABLE**

The B.A. with major in sociology will be available to students graduating in June, 1971 and thereafter.

Majors in economics, political science, and psychology will be available in

1970-71 to students graduating in June 1972 and thereafter.

The B.A. with minor in each behavioral science field except anthropology will be available to students graduating in June, 1971 and thereafter. A minor in anthropology will be available in 1970–71 to students graduating in June, 1972 and thereafter.

#### GENERAL REQUIREMENTS FOR A MAJOR

General requirements for a major within the School of Behavioral Sciences include:

1. A Major of at least seven courses.

An approved Minor of at least three courses in a related department (which may be outside the School of Behavioral Sciences.

3. Business and Public Administration 210. Computer Programming and Data Processing and either Mathematics 202, Basic Principles of Probability and Statistics, or three-quarter-equivalent foreign language proficiency and Mathematics 102, Mathematical Inference and Computation. Note: This requirement (No. 3) will be waived for any student who has begun his college work prior to the opening of California State College, Bakersfield.

#### NON-DEPARTMENTAL COURSES IN BEHAVIORAL SCIENCES

For a variety of reasons, special courses in the behavioral sciences may from time to time be offered on a school-wide basis rather than within a particular discipline. For 1970-71, the following courses are so designated:

#### Behavioral Sciences 51. Foundations of Social Science

A one-term course open by special permission to students whose previous records or test scores indicate that they would benefit from an elementary study of the social, economic, political, and psychological aspects of man's interrelationships. May be taken twice. Offered only on a pass, no-credit basis. Does not count toward graduation.

## Behavioral Sciences 351. Social Psychology of the Ghetto/Barrio

Integration of materials on effects of barrio or ghetto cultural, economic, political, and social environment on the values, personality, and development of its residents. Special attention to alternative sociological and psychological theories of prejudice and racism. Examination of literature evaluating programs such as *Head Start* from psychological point of view. Construction of new theory. Selected investigations. Lectures, discussions, and arranged field observation. Prerequisite: Any three courses in the behavioral sciences and sophomore standing. Special course that may be used for Latin American or Afro-American minor or as a general college elective.

## **ECONOMICS DEPARTMENT**

Study of economics leads to understanding of economic principles and their applications to important contemporary problems. A major in the field provides an excellent foundation for students entering business, law, public or governmental service, social work, and teaching.

Many of the courses will involve students in direct, original research and will assume, at the very least, minimal quantitative skills. Most of the courses will relate economic principles, policies, and theory to other disciplines. Several courses in mathematics are strongly recommended for majors, particularly for those planning graduate work in economics, other behavioral sciences, or such fields as business administration and engineering.

The B.A. with major in economics will be available to students graduating in June. 1972 or later.

The B.A. with minor in economics will be available to students graduating in Iune. 1971 or later.

#### REQUIREMENTS FOR THE MAJOR

A student must demonstrate familiarity with basic tools underlying modern Economics, plus satisfactorily complete at least seven upper division courses. Required courses are:

#### **Lower Division**

- A. Economics 201 and 202, Essentials of Economic Theory, or equivalent
- B. Business and Public Administration 210, Computer Programming and Data Processing and either Mathematics 202, Basic Principles of Probability and Statistics, or three-quarter-equivalent foreign language proficiency and Mathematics 102, Mathematical Inference and Computation. Note: This requirement (B) will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

#### **Upper Division**

- A. One course that emphasizes international or non-American economic systems. Select from:
  - Economics 310. Economic Growth, Development, Underdevelopment
  - Economics 312. International Economics Economics 316. Comparative Economics
- B. One course that emphasizes aspects of the United States national economic system. Select from:
  - Economics 320. Monetary and Fiscal Theory and Policy
  - Economics 324. Economics of Industrial Organizations
  - Economics 326. Economics of Labor
- C. Three other upper division courses (may be from A and B above)
- D. Economics 490. Senior Seminar in Economics

#### REQUIREMENTS FOR THE MINOR

Three upper division courses in economics.

#### **COURSES**

Note: All courses in the Department not otherwise designated carry five quarter units of credit.

## **Lower Division**

#### **Economics 100.** Perspectives in Economics

Introduction to economic analysis and its application. Relation of economic study to other disciplines. Issues of economic policy. Selected investigations into varied problem areas. Lectures and discussions.

## Economics 201. Essentials of Economic Theory: Micro-economics

Value and distribution theory, including the theory of household behavior and the theory of the firm. Emphasis on tools of economic thinking but selected operational content also provided. Lectures and discussions. Prerequisite: Mathematics 102 or equivalent and Economics 100 or sophomore standing.

## Economics 202. Essentials of Economic Theory: Macro-economics

Theories of income, employment, and price level. Emphasis on tools of economic thinking but selected operational content also provided. Lectures and discussions. Prerequisite: Mathematics 102 or equivalent and Economics 100 or sophomore standing.

## **Upper Division**

## **Economics 301.** History of Economic Thought

Traces growth of systematic economic analysis through dual influence of internal logical development and external social and political environment. Contrasts contemporary thinking with earlier writers. Lectures and discussions. Prerequisite: One course in economics and sophomore standing.

## Economics 310. Economic Growth, Development, and Underdevelopment

Economic growth organization, institutions, and processes of western nations during the past century and in present day underdeveloped areas. Particular emphasis on Latin America. Various theories of growth considered in light of empirical evidence. Selected investigations. Lectures and discussions. Prerequisite: Economics 202 and sophomore standing.

## Economics 312. International Economics

Examination of relations among regions and nation-states including theory of trade, balance of payments, commercial policies, financial policies, economic integration and related policy issues. Selected investigations. Lectures and discussions. Prerequisite: Economics 202 and sophomore standing.

#### **Economics 316.** Comparative Economic Systems

Analysis of capitalist and socialist economic systems emphasing levels of reliance on market mechanism and/or planning. Emphasis on United States, Soviet Union, Mexico, Great Britain. Selected investigations. Lectures and discussions. Prerequisite: One course in economics and sophomore standing.

#### Economics 320. Economics of Monetary and Fiscal Theory and Policy

Techniques of monetary control and their efficacy. Emphasis on banking and on federal taxing and spending practices. Includes section on general public finance problems and impact on economy. Selected investigations. Lectures and discussions. Prerequisite: Economics 202 and sophomore standing.

## Economics 324. Economics of Industrial Organization

Analysis of the structure and operation of American industry. Includes pricing and output decisions of firms under different market structures, theories of monopolistic competition, structure and performance of markets, relations of government to industry. Selected investigations. Lectures and discussions. Prerequisite: One course in economics and sophomore standing.

#### Economics 326. Economics of Labor

Impact of unions and other labor market institutions on wages, income distribution employment and price. Utilization of human resources, including migrants. Role of government in collective bargaining. Technological change. Selected investigations. Lectures and discussions. Prerequisite: One course in economics and sophomore standing.

## **Economics 401. Economics of Poverty**

Economic analysis of causes for, effects of, and remedies for poverty. Alternative evaluations. Economics of social security, public assistance and poverty programs. Includes relevance of discrimination, crime, and social upheaval. Selected investigations. Lectures and discussions. Prerequisite: One course in economics and junior standing.

## Economics 402. Regional, Urban and Rural Economics: Resources, Location, Income, Growth

Economic factors connected with the urbanization of modern societies. Problems of rural and urban land use and economics. Transportation and location decisions. Income determination. City-state, city-federal relations. Selected investigations. Lectures and discussions. Prerequisite: One course in economics and junior standing.

## Economics 403. Regional, Urban, and Rural Economics: Special Problems

A continuation of Economics 402 with emphasis on racial concentrations, core city decay, pollution, transportation, sanitation, population mobility. Selected investigations. Lectures and discussions. Prerequisite: Behavioral Science 351 or Economics 402 and junior standing.

#### Economics 405. Natural Resource Economics

Economic principles of the physical basis of economic activity, including such resources as water, minerals, petroleum, and land. Cost-benefit analysis. Role of public policy. Lectures and discussions. Prerequisite: One course in Economics and junior standing. Not offered in 1970–71.

## **Economics 421.** Mathematical Economics

Application of mathematics to selected topics in micro and macro-economic theory. Input-output, Markov chains, linear models of econometrics. Selected investigations. Lectures and laboratory. Prerequisite: Mathematics 202 or equivalent, three courses in Economics, and junior standing. Not offered 1970-71.

## **Economics 477.** Selected Topics in Economics

Offered periodically as announced. Courses currently planned for the future include:

- A. Socialist Economic Theory and Institutions
- B. Intermediate Econometrics
- C. Evaluation of Economic Systems, Institutions and Policy
- D. Economics of Public Service Policy
- E. Theory of Public Finance and Economic Stability

## Economics 480. Directed Research Seminar in Economics

Elaboration of principles of research design. Student conducts and writes up an individual study under faculty supervision. Prerequisite: Mathematics 202 and consent of instructor. Not offered 1970–71.

#### Economics 490. Senior Seminar in Economics

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of economics to student's minor field of study. Prerequisite: Senior major or consent of instructor. First offered 1971-72.

#### Economics 499. Individual Study

Consent of Department and approval by Dean of School of Behavioral Sciences.

#### POLITICAL SCIENCE DEPARTMENT

Study of political science in this school is designed to serve several purposes, all of which lie at the core of a sound, liberal arts education. Among these are: (1) to provide an understanding of contemporary political systems and institutions, (2) to develop basic evaluational abilities and accompanying skills, (3) to acquaint students with the fundamental concepts, methods, and skills of social science and political inquiry, and (4) to provide an awareness of the relation of political processes to other aspects of society.

Study in this field may provide useful preparation leading to careers in govern-

ment service, journalism, law, politics, and teaching.

Many of the courses will involve students in direct, original, research, and will assume, at the very least, minimal quantitative skills.

The B.A. with major in political science will be available to students graduating

in June, 1972 or later.

The B.A. with minor in political science will be available to students graduating in June, 1971 or later.

#### REQUIREMENTS FOR THE MAJOR

A student must demonstrate a familiarity with basic tools underlying modern social sciences and satisfactorily complete at least seven upper division courses. Required courses are:

#### Lower Division

A. Political Science 201, Introduction to Political Inquiry, or equivalent.

B. Business and Public Administration 210, Computer Programming and Data Processing and either Mathematics 202, Basic Principles of Probability and Statistics or three-quarter-equivalent foreign language proficiency and Mathematics 102, Mathematical Inference and Computation. Note: This requirement (B) will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

#### **Upper Division**

A. One course dealing primarily with international or national political systems. Select from:

Political Science 304. The Culture of the International Political System

Political Science 305. Comparative Political Analysis: Western Political Sys-

Political Science 306. Comparative Political Analysis: Communist Political Systems

Political Science 307. Comparative Political Analysis: Developing Political

Political Science 309. The Foreign Policy Processes

B. One course with special emphasis on institutional policy processes within political subsystems. Select from:

Political Science 310. The Administrative Processes in Government

Political Science 312. The Electoral and Political Participation Processes

Political Science 314. The Adjudication Processes I: Judicial Systems

Political Science 315. The Adjudication Processes II: Civil Liberties Political Science 316. The Legislative and Bargaining Processes Political Science 318. Community Political Processes

C. One course in general political theory, thought, or methodology. Select from:

Political Science 333. Political Theory I: Political Philosophy and Thought

Political Science 334. Political Theory II: Current Applications of Political Thought

Political Science 335. Political Theory III: Contemporary Empirical Theory

Political Science 401. Advanced Research Design and Methods in Social Science

- D. Three other courses in political science (may be from A, B, or C).
- E. Political Science 490. Senior Seminar in Political Science

#### REQUIREMENTS FOR THE MINOR

Three upper division courses in political science.

#### COURSES

Note: All courses in the Department not otherwise designated carry five quarter units of credit.

#### **Lower Division**

## Political Science 100. Perspectives in American Political Processes

Selected issues (race, poverty, etc.) in American politics are examined in relation to a range of American governmental institutions and practices and to knowledge from other disciplines. Lectures and discussions.

## Political Science 102. The International Political System

Introduction to theories of international politics. The role of political, military, cultural, economic, and ideological factors in the behavior of nation states. Lectures and discussions.

## Political Science 103. Introduction to Comparative Governmental Systems

Comparison of major types of political systems and subsystems in the world. Structure, dynamics, and evaluation. Lectures and discussions.

## Political Science 201. Introduction to Political Inquiry

Assumptions of scientific research and issues in philosophy of social science. Values and prescriptions. Basic principles in design, data collection, and analysis. Contemporary theory and approaches to the study of politics. Relation with other disciplines. Library and field work. Lectures and discussions. Prerequisite: Mathematics 102, or equivalent, and Political Science 100, 102, or 103, or sophomore standing. Primarily for majors.

#### **Upper Division**

## Political Science 303. Small Group Theory and Research

Application of principles of social psychology to the understanding of small groups; experimentation and testing in group situations. Lectures and laboratory. Prerequisite: One of the following—Mathematics 202, Political Science 201, Psychology 201, or Sociology/Anthropology 201, and sophomore standing. Identical to Psychology 303 and Sociology 303.

#### Political Science 304. The Culture of the International Political System

Norms, belief systems, and bargaining processes in international relations and organizations. Selected investigations. Lectures and discussions. Prerequisite: Political Science 102 or one upper division course in political science and junior standing.

## Political Science 305. Comparative Political Analysis I: Western Political Systems

Analysis of institutions and practices affecting democratic parliamentary and presidential governments. Emphasis on whole systems, particularly Britain and Western Europe. Detailed analysis of one system. Selected investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

## Political Science 306. Comparative Political Analysis II: Communist Political Systems

Analysis of major similarities and differences among institutions and practices in communist societies. Emphasis on Eastern Europe. Detailed analysis of one system. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing. Not offered in 1970–71.

## Political Science 307. Comparative Political Analysis III: Developing Political Systems

Analysis of major similarities and differences among institutions and practices in developing societies. Emphasis on African or Latin American nations. Detailed analysis of one system. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

## Poiltical Science 309. The Foreign Policy Processes

Internal and external deteriminants of foreign policy formation and substance. Comparative, but with emphasis on American experience. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

#### Political Science 310. The Administrative Processes in Government

Creation, execution, and coordination of public policy by executives and bureaucracies. Problems of administrative organization. Relations with other institutions and processes. Comparative, but with emphasis on American experience. Lectures and discussions. Prerequisite: One course in political science or Business and Public Administration 310 and sophomore standing. Identical to Business and Public Administration 375.

## Political Science 312. The Electoral and Political Participation Processes

Party systems, group influences, mass communications, public opinion in politics and elections. Comparative but with emphasis on American experience. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

## Political Science 314. The Adjudication Processes I: Judicial Systems

Constitutional and political aspects of judicial systems. Emphasis on American federal, state, and local courts. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

## Political Science 315. The Adjudication Processes II: Civil Liberties

The nature and scope of the protection of civil and political rights under constitutions, particularly in the U. S. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

#### Political Science 316. The Legislative and Bargaining Processes

Public policy formation by legislatures; relations with other institutions; bargaining. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

#### Political Science 318. Community Political Processes

Comparative studies of mobilization and exercise of power at subnational levels. Emphasis on the metropolitan community in America. Spatial relationships. Special investigations. Lectures and discussions. Prerequisite: One course in political science and sophomore standing.

## Political Science 330. Psychology of Political Behavior

Ideology, values, extreme belief and affiliation, leadership, personality factors in politics. Psychological analysis of political and social action techniques. Lectures and discussions. Prerequisite: One course in political science, psychology, or sociology and sophomore standing. Identical to Psychology 330. Not offered in 1970-71.

## Political Science 331. Sociology of Political Behavior

The cultural and social bases of politics. Political processes in organized groups and social systems. Selected investigations. Lectures and discussions. Prerequisite: One course in sociology or political science and sophomore standing. Identical to Sociology 331.

## Political Science 333. Political Theory 1: Political Philosophy and Thought

An analysis of the basic theories of the nature and role of social and political life. Historical positions such as those of Plato, Aristotle, Hobbs, Locke, Mill, Hegel, and Marx are examined to bring to light the concepts of "right," "equality," "justice," "obligation," "utility." Lectures and discussions. Prerequisite: One course in political science or Philosophy 306, and sophomore standing. Identical to Philosophy 333.

## Political Science 334. Political Theory II: Current Applications of Political Thought

Selected ideas from classical writings (including American) applied to current political problems and issues. Special attention to American institutions and development and to democratic theory. Lectures and discussions. Prerequisite: One course in political science and sophomore standing. Not offered in 1970–71.

## Political Science 335. Political Theory III: Contemporary Empirical Theory

Theories of action, communication, decision-making, groups, organizations, systems, etc. Use of models in political science. Relation between normative and empirical theory. Lectures and discussions. Prerequisite: Political Science 201, two other courses in political science and junior standing.

## Political Science 401. Advanced Research Design and Methods in Social Science

Selected issues in philosophy of social science; experimental design; problems in sampling and measurement; special applications of multivariate statistical models, including factor analysis. Lectures, discussions, and arranged field explorations. Prerequisite: Mathematics 202 and three courses in sociology and political science, or consent of instructor. Identical to Sociology 401. Not offered in 1970–71.

## Political Science 477. Special Topics in Political Science

Offered periodically as announced. Courses currently planned for the future include:

- a. Political System Output Analysis
- b. Political Stability and Change
- c. Public Policy, Empirical Analysis, and Prescription
- d. Simulations in Legislative and Bargaining Processes
- e. Simulations in Bureaucratic Processes
- f. Simulations in International Political Processes
- g. Contemporary Ideologies
- h. Evaluation of Political Systems and Institutions

## Political Science 480. Directed Research Seminar in Political Science

Student conducts and writes up an individual study under faculty supervision. Prerequisite: Mathematics 202 and consent of instructor. Not offered in 1970-71.

## Political Science 490. Senior Seminar in Political Science

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of political science to student's minor field of study. Prerequisite: Senior major or consent of instructor. Not offered in 1970-71.

#### Political Science 499. Individual Study

Consent of department and approval by Dean of the School of Behavioral Sciences.

## PSYCHOLOGY DEPARTMENT

Psychology today can be considered in a variety of ways. Among these, it can be (1) an applied science or professional field, (2) a set of humanistic concerns, (3) a physiological or biological science, and (4) a social science.

While the offerings in psychology will be as broad as possible, most of the basic initial course orientations will treat the discipline as a social science, in keeping with the location of the Department within the School of Behavioral Sciences.

Students who study psychology at the College will later pursue a wide range of careers. The Psychology Department will attempt to provide the kind of solid understanding of basic psychological principles that can serve as a foundation for the widest number of vocational and professional interests. Many of the courses will involve students in laboratory, field, and case study work and will assume, at the very least, minimal quantitative skills.

The B.A. with major in psychology will be available to students graduating in

June, 1972, or later.

The B.A. with minor in psychology will be available to students graduating in June, 1971, or later.

## REQUIREMENTS FOR THE MAJOR

A student must demonstrate familiarity with basic tools underlying modern social sciences plus satisfactorily complete at least seven upper division courses, Required courses are:

#### Lower Division

- A. Psychology 201, Introduction to Psychological Inquiry
- B. Business and Public Administration 210, Computer Programming and Data Processing and either Mathematics 202, Basic Principles of Probability and Statistics, or three-quarter-equivalent foreign language proficiency and Mathematics 102. Mathematical Inference and Computation. Note: This requirement (B) will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

#### **Upper Division**

A. One course in advanced laboratory and field experimental study in psychology. Select from:

Psychology 301. Experimental Psychology. Learning, Thinking, Motivation. Psychology 302. Experimental Psychology. Sensation and Perception.

B. Two courses with emphasis on personal, interpersonal and applied psychology. Select from:

Psychology 310. Developmental

Psychology 312. Social

Psychology 314. Abnormal

Psychology 316. Personality

Psychology 320. Differential Psychology 322. Human Behavior Change

Psychology 330. Political Behavior

- C. Three other courses (may be from A and B).
- D. Psychology 490. Senior Seminar in Psychology.

## REQUIREMENTS FOR THE MINOR

Three upper division courses in psychology.

#### COURSES

Note: All courses in the Department not otherwise designated carry five quarter units of credit.

#### **Lower Division**

#### Psychology 100. Perspectives in Psychology

Survey of currently important psychological ideas in relation to other disciplines. Major dimensions, theories, and applications of psychology. Selected investigations into varied problem areas. Lectures, discussions, and arranged observations.

## Psychology 201. Introduction to Psychological Inquiry

Assumptions of scientific research and issues in philosophy of social science. Selected concepts and methods of experimentation in psychology, with emphasis on measurement, design of research, quantitative handling of data, and analysis. Lectures and laboratory. Prerequisite: Mathematics 102 or equivalent, and psychology 100 or sophomore standing. Primarily for majors.

## **Upper Division**

## Psychology 301. Experimental Psychology: Learning, Thinking, Motivation

Selected study of human and animal learning; problem solving; drives, needs, preferences, desires. Lectures and laboratory. Prerequisite: Mathematics 202 or Psychology 201, and sophomore standing.

## Psychology 302. Experimental Psychology: Sensation and Perception

Selected study of human and animal sensory and perceptual processes. Lectures and laboratory. Prerequisite: Mathematics 202 or Psychology 201, and sophomore standing.

## Psychology 303. Small Group Theory and Research

Application of principles of social psychology to the understanding of small groups; experimentation and testing in group situations. Lectures and laboratory. Prerequisite: One of the following—Mathematics 202, Political Science 201, Psychology 201, or Sociology/Anthropology 201, and sophomore standing. Identical to Political Science 303 and Sociology 303.

## Psychology 310. Developmental Psychology

Problems, methods, results in the study of the psychological development of the individual from birth to old age. Lectures, discussions, and special investigations. Prerequisite: One course in psychology and sophomore standing.

## Psychology 312. Social Psychology

Group affiliation, group standards, social perception, reference groups, and other social influences on the behavior of individuals, and interactions among groups. Lectures and discussions. Prerequisite: One course in psychology or sociology and sophomore standing. Identical to Sociology 312.

#### Psychology 314. Abnormal Psychology

Study of dynamics of abnormal behavior and psychopathology; scientific approach to mental illness; character disorders. Lectures with arranged field work. Prerequisite: One course in psychology and sophomore standing.

## Psychology 316. Personality

The behavioral and cultural role of cognition, perception, learning, and motivation in typical modes of behavior and styles of life; dynamics of adjustment. Theories of personality. Emphasis will be on intensive exploration of selected concepts and related research. Lectures and discussions. Prerequisite: Sophomore standing.

#### Psychology 318. Culture and Personality

The relation of personality to culture and group life in primitive, modernizing, and modern societies. Attention to field of psychological anthropology. Lectures and discussions. Prerequisite: One course in anthropology, psychology or sociology and sophomore standing. Identical to Anthropology 318.

## Psychology 320. Differential Psychology

Nature, extent, and sources of psychological differences among individuals and groups. Special attention to implications for ethnic groups. Approaches to aptitudes, abilities, and interests as used in counseling. Lectures and arranged observation and field work. Prerequisite: Sophomore standing.

## Psychology 322. Human Behavior Change

A study of the psychologically based theories of behavior change most relevant to applied settings. Systems to be considered include principles of behavior modification and imitative learning. Discussions will emphasize a consideration of the ethical questions involved in individual actions directed at behavior change or behavior control. Lectures and discussions. Prerequisite: Psychology 314 or 316 and sophomore standing.

## Psychology 330. Psychology of Political Behavior

Ideology, values, extreme belief and affiliation, leadership, personality factors in politics. Psychological analysis of political and social action techniques. Lectures, discussions, and laboratory. Prerequisite: One course in political science, psychology, or sociology and sophomore standing. Identical to Political Science 330. Not offered in 1970–71.

## Psychology 401. Measurement in Psychology

Applications to problems of test construction, administration, and interpretation in psychology and education. Consideration of reliability, validity, item analysis. Lecture and discussions. Prerequisite: Mathematics 202 or Psychology 201, and junior standing.

## Psychology 477. Selected Topics in Psychology

Offered periodically as announced. Courses currently planned for the future include:

- a. Physiological Psychology
- b. Mathematical Psychology
- c. Psychological Theories of Culture
- d. Psychology of Communication
- e. Attitude Formation and Change

## Psychology 480. Directed Research Seminar in Psychology

Elaboration of principles of research design. Student conducts and writes up an individual study under faculty supervision. Prerequisite: Mathematics 202 and consent of instructor. Not offered in 1970–71.

#### Psychology 490. Senior Seminar in Psychology

Consideration of the nature of the discipline. Integration of materials from other courses, Relation of psychology to student's minor field of study. Prerequisite: Senior major or consent of instructor. First offered 1971–72.

#### Psychology 499. Individual Study

Consent of department and approval by Dean of the School of Behavioral Sciences.

## SOCIOLOGY AND ANTHROPOLOGY DEPARTMENT

The disciplines of sociology and anthropology are concerned with man in a somewhat broader sense than are the other behavioral sciences. Course work offered in this Department, and particularly the major, is intended to provide basic understanding of how cultures, societies, communities, and smaller groups are organized and sustained. At the same time, these courses expose the student to original reserch problems at all levels of study. As alternatives to clearly separate courses dealing with citizenship and with descriptive applied problem, issue, and policy areas, most courses initially offered are designed to bring these concerns into the context of more fundamental understanding of social structure, organization, and social psychology.

In a general sense, this body of knowledge is fundamentally important in helping a student acquire a better comprehension of his own place in his family, his community, in his vocation or profession, and in his other group contexts. It can also provide useful background for such careers as social research, social work,

demography, journalism, management, and teaching, to suggest a few.

Many of the courses will involve students in direct, original research and will assume, at the very least, minimal quantitative skills. Most of the courses will relate anthropological and sociological principles and theory to other disciplines. The B.A. with major in sociology will be available to students graduating in

June, 1971 or later.

The B.A. with minor in sociology will be available to students graduating in June. 1971 or thereafter.

The B.A. with minor in anthropology will be available to students graduating in Iune. 1972 or thereafter.

#### REQUIREMENTS FOR THE MAJOR

In the early years, no separate major is offered in anthropology. Upper division courses in anthropology may be used to satisfy the sociology requirements, as indicated below. Courses in anthropology may not be used to satisfy minor requirements for sociology majors.

For the major, a student must demonstrate familiarity with basic tools underlying modern social science and satisfactorily complete at least seven upper division courses. Required courses are:

#### **Lower Division**

- A. Sociology/Anthropology 201, Introduction to Social Inquiry
- B. Business and Public Administration 210, Computer Programming and Data Processing and either Mathematics 202, Basic Principles of Probability and Statistics, or three-quarter-equivalent foreign language proficiency and Mathematics 102, Mathematical Inference and Computation. Note: This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

**Upper Division** 

A. One course that deals with aspects of social structure, organization, and change. Select from:

Anthropology 350. Comparative Society

Sociology 310. Social Stratification and Class

Sociology 316. Social Change

Sociology 334. Urban Sociology

B. One course that deals with aspects of social psychology. Select from:

Anthropology 318. Culture and Personality

Sociology 312. Social Psychology

Sociology 314. Collective Behavior

Sociology 320. Social Control

Sociology 331. Sociology of Political Behavior

C. One course in advanced theory and methodology. Select from:

Sociology 303. Small Group Theory and Research

Sociology 401. Advanced Research Design and Methods in Social Science Sociology 410. Sociological Theory I

- D. Three other courses in anthropology or sociology (may be from A, B, and C)
- E. Sociology 490. Senior Seminar in Sociology

## REQUIREMENTS FOR THE MINOR IN ANTHROPOLOGY

Three upper division courses in anthropology.

#### REQUIREMENTS FOR THE MINOR IN SOCIOLOGY

Three upper division courses in sociology.

## DEPARTMENTAL COURSES

Note: All courses not otherwise designated carry five quarter units of credit.

## Sociology/Anthropology 100. Perspectives in Anthropology and Sociology

Survey of currently important anthropological and sociological ideas in relation to other disciplines. Major dimensions, theories, and applications of sociology. Selected investigations into various problem areas. Lectures and discussions. May be used as a prerequisite for sociology or anthropology courses.

## Sociology/Anthropology 201. Introduction to Social Inquiry

Assumptions of scientific research and issues in philosophy of science. Basic principles of design, data collection, and analysis. Contemporary approaches to the study of society. Emphasis on techniques through library and field studies by students. Lectures and laboratory. Prerequisite: Mathematics 102 or equivalent, and Sociology/Anthropology 100 or sophomore standing. Primarily for majors.

## ANTHROPOLOGY COURSES

Note: All courses not otherwise designated carry five quarter units of credit.

#### **Lower Division**

#### Anthropology 150. Cultural Anthropology

The nature of culture and of social behavior; social organization, religion, and other topics through anthropological study of contemporary peoples. Lectures and discussions.

## Anthropology 200. Physical Anthropology

Origin of man and his place in nature. Vertebrate and primate evolution and interpretation of fossil human evidence. Concepts of race classification. Lectures and discussions. Prerequisite: one course in biology.

## **Upper Division**

## Anthropology 312. Language and Culture

The relationships between language and cultural patterns. Problems of meaning. Lectures and discussions. Prerequisite: one course in anthropology or sociology and sophomore standing. Not offered 1970–71.

## Anthropology 318. Culture and Personality

The relation of personality to culture and group life in primitive, modernizing, and modern societies. Attention to field of psychological anthropology. Lectures and discussions. Prerequisite: one course in anthropology, psychology, or sociology and sophomore standing.

## Anthropology 320. Afro-American Culture

Rural and urban culture of Black Americans, including historical and present day forces. Lectures and discussions. Prerequisite: one course in anthropology or sociology and sophomore standing.

## Anthropology 350. Comparative Society

Comparative study of structure, development, and functional interrelationships of social and other institutions in societies. Lectures and discussions. Prerequisite: one course in anthropology or sociology and sophomore standing.

## Anthropology 477. Special Topics in Anthropology

Offered periodically as announced. Courses currently planned for the future include:

- a. Peoples of North America
- b. Peoples of South America
- c. Peoples of Africa
- d. Peoples of Asia
- e. Culture Stability and Culture Change
- f. Technological Change
- g. Urban Anthropology
- h. Kinship and Social Structure

## Anthropology 480. Directed Research Seminar in Anthropology

Student conducts and writes up an individual study under faculty supervision. Prerequisite: consent of instructor. Not offered 1970-71.

## Anthropology 499. Individual Study

Consent of department and approval by Dean of the School of Behavioral Sciences.

#### SOCIOLOGY COURSES

Note: All courses not otherwise designated carry five quarter units of credit.

#### **Lower Division**

## Sociology 200. Introduction to Social Structure and Organization

The structure of social groups, institutions, and societies. Emphasis on urban industrial societies. Lectures, discussions, and arranged observations. Recommended for majors. Not open to students with credit in Sociology/Anthropology 100.

## **Upper Division**

## Socialogy 303. Small Group Theory and Research

Application of principles of social psychology to the understanding of small groups; experimentation and testing in group situations. Lectures and laboratory. Prerequisite: one of the following—Mathematics 202, Psychology 201, Political Science 201, or Sociology/Anthropology 201. Identical to Psychology 303.

## Sociology 310. Social Stratification and Class

Trends in occupational stratification. Relation of social class to interest groups, community, and nation. Special attention to ethnic minorities. Selected investigations. Lectures and discussions. Prerequisite: one course in sociology and sophomore standing.

#### Sociology 312. Social Psychology

Group application, group standards, social perception, reference groups, and other social influences on the behavior of individuals, and interactions among groups. Lectures and discussions. Prerequisite: one course in psychology or sociology and sophomore standing. Identical to Psychology 312.

#### Sociology 314. Collective Behavior

Structure and boundaries of social groups. Special attention to characteristics of mobs, crowds, social movements, revolutions. Role of social unrest in developing and changing social organizations. Selected investigations. Lectures and discussions. Prerequisite: one course in sociology and sophomore standing.

#### Sociology 316. Social Change

Major sources and predictions of stability and change in societies. Special attention to underedeveloped countries. Selected investigations. Lectures and discussions. Prerequisite: one course in sociology and sophomore standing.

## Sociology 320. Social Control

Power relationships and patterns. Processes of decision and enforcement. Relative significance of institutional and non-institutional controls. Problems of the non-conformist. Special investigations. Lectures and discussions. Prerequisite: one course in sociology and sophomore standing.

## Sociology 324. Sociology of Deviant Behavior

Examination of sociological approaches to the study of deviation, with special emphasis on criminal behavior of the person and group in American society. Special investigations. Lectures and discussions. Prerequisite: one course in sociology and sophomore standing. Not offered 1970-71.

## Sociology 331. Sociology of Political Behavior

The cultural and social bases of politics. Political processes in organized groups. Role of minorities in politics. Selected investigations. Lectures and discussions. Prerequisite: one course in sociology or political science and sophomore standing. Identical to Political Science 331.

## Sociology 334. Urban Sociology

Sociological and ecological analysis of the city in terms of changing structure and process. Urban rural relationships. Social and demographic characteristics of urban populations, especially rural to urban trends. Special investigations. Lectures and discussions. Prerequisite: one course in sociology and sophomore standing.

## Sociology 401. Advanced Research Design and Methods in Social Science

Selected issues in philosophy of social science; experimental design; problems in sampling and measurement; special applications of multivariate statistical models, including factor analysis. Lectures, discussions, and arranged field explorations. Prerequisite: Mathematics 202 and three courses in sociology and political science, or consent of instructor. Identical to Political Science 401. Not offered 1970-71.

## Sociology 410. Sociological Theory I

Review of classical models and intellectual perspectives in selected theoretical areas. Source materials include Spencer, Marx, Weber, Durkheim, Parsons, and others. Intensive analysis and application of selected contemporary models. Lectures and discussions. Prerequisite: two courses in sociology and junior standing.

## Sociology 477. Special Topics in Sociology

Offered periodically as announced. Courses currently planned for the future include:

- a. Latin American Societies
- b. Sociology of Mass Communications
- c. Sociology of Formal Organizations
- d. Family and Society
- e. Religion and Society
- f. Role and Reference Group Theory
- g. Conflict Theory

## Sociology 480. Directed Research in Sociology

Student conducts and writes up an individual study under faculty supervision. Prerequisite: Mathematics 202, junior standing, and consent of instructor. Not offered 1970-71.

## Sociology 490. Senior Seminar in Sociology

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of sociology to student's minor field of study. Prerequisite: senior major or consent of instructor.

## Sociology 499. Individual Study

Consent of department and approval by Dean of the School of Behavioral Sciences.

## DIVISION OF BUSINESS AND PUBLIC ADMINISTRATION

The Division of Business and Public Administration offers an educational program designed to prepare its students to go into society as professional administrators prepared to serve in all sectors of organized human endeavor. Majors in Business and Public Administration will also find that the program constitutes

appropriate foundation for graduate study in the compatible areas.

The Division emphasizes the development of a graduate who will be: (1) equipped and willing to make decisions in the areas of policy formulation and the conduct of the affairs of organizations; (2) aware of the social, economic, political, and philosophical implications and interrelationships involved in his decisions, and (3) analytic in orientation and aware of the conceptual foundations of his areas of application.

The Division's curriculum is designed for students who wish to complete the requirements for a Bachelor of Science degree with a major in Business Administration. Although there is only one formal major, students may consult with their advisor to arrange a sequence of courses which will allow an informal but effective concentration in a particular area of business which is of interest to the student. Examples of such areas are: accounting, agribusiness, computer science and data processing, finance, management, marketing, or public administration.

The major in Business Administration will be available in 1970-71 to students

graduating in June 1972 and thereafter.

#### REQUIREMENTS FOR THE MAJOR

1. Lower division courses:

BPA 201, 202. Accounting Theory and Practice BPA 210. Computer Programming and Data Processing Mathematics 202. Basic Principles of Probability and Statistics Economics 201, 202. Essentials of Economic Theory

2. Upper division courses:

A minimum of eleven courses in Business and Public Administration, including the following:

BPA 302. Financial Management and Organization

BP.A 310. Principles of Management BPA 320. Management Science I

BPA 340. The Marketing Process
BPA 375. The Administrative Processes in Government
BPA 400. Legal Environment

BPA 420. Administrative Theory and Practice

BPA 490. Senior Seminar in Policy Formulation

3. Business and Public Administration majors must take at least 75 quarter hours of their program outside the Division of Business and Public Administration and the Department of Economics.

#### COURSES

Note: All courses in the Division not otherwise designated carry five quarter units of credit.

#### **Lower Division**

## BPA 201. Accounting Theory and Practice I

The accounting cycle, preparation and analysis of financial statements, and the communication of business events through the accounting process.

## **BPA 202.** Accounting Theory and Practice II

Concepts of cash flow, asset valuation, corporate accounting, and budget and cost analysis as a means of managerial control. Prerequisite: BPA 201.

#### BPA 203. Business Law I

Law of contracts, agency, sales and security devices; their application to business transactions.

#### BPA 204. Business Law II

Law of real and personal property, commercial paper, bankruptcy, bailments and liens. Not offered in 1970-71.

## BPA 210. Computer Programming and Data Processing

Basic principles of computer programming, use of library programs applied to various areas, Fortran and Cobol languages, card and tape applications.

#### **Upper Division**

#### **BPA 301.** Intermediate Accounting

Emphasis on accounting theory, concepts, and underlying issues together with an evaluation of the special problems that arise in applying accounting concepts. Prerequisite: BPA 201 and 202.

#### BPA 302. Financial Management and Organization

Theoretical concepts underlying the analysis of the need, acquisition, and management of funds used to finance an organization, with emphasis on internal control. Prerequisite: BPA 202.

#### **BPA 303.** Managerial Accounting

Preparation, analysis, interpretation of accounting and financial date for managerial decisions. Prerequisite: BPA 202.

## BPA 304. Federal and State Income Tax Accounting !

Basic concepts, applicable to all taxpayers, of tax management; realization and recognition of incomes and deductions. Prerequisite: BPA 202 or permission of instructor.

#### BPA 305. Federal and State Income Tax Accounting II

Concepts of tax management relative to: partnerships, corporations, estates, trusts, and farmers; unemployment and disability taxes, gift, estate, and social security taxes; state sales tax. Prerequisite: BPA 304. Not offered in 1970-71.

#### **BPA 307.** Investments

Supply and demand for capital. Principles of analysis of various types of securities, securities markets, and financial institutions. Formulation of investment strategies. Prerequisite: BPA 302 or permission of instructor.

## **BPA 310.** Principles of Management

Theoretical constructs underlying the concepts of management and its decision processes in formal organizations. Prerequisite: junior standing.

#### **BPA 315.** Personnel Administration

Concepts related to management's relations with employees: personnel policy, wage and salary administration, and the broader aspects of organized work groups. Prerequisite: junior standing.

## BPA 320, 321. Management Science I, II

A course which emphasizes the application of mathematical and statistical models in the area of management decisions. Prerequisite: junior standing. BPA 320 and 321 must be taken in sequence.

## **BPA 330.** Administrative Computer Techniques

Introduction to the logic and practice in digital computer solution of problems encountered in accounting, inventory, sales, and management aspects of a firm. Use of a procedure-oriented artificial language such as COBOL or PL/1 to solve problems of graduated difficulty. Prerequisite: BPA 202 and 210. Not offered in 1970-71.

## **BPA 331.** Intermediate Computer Programming

Intermediate computer programming. Both numerical and non-numerical problems. Analysis of problems, development of algorithms for their solution and the use of computer languages in the solutions. Prerequisite: BPA 210 or equivalent.

## **BPA 340.** The Marketing Process

A study of the marketing process in advanced market economies: consumer wants, motivation and purchasing power, analysis of the distribution system, and the management of a firm's marketing efforts. Prerequisite: Economics 201 and 202.

#### **BPA 350.** Consumer Behavior

An analysis of marketing management's use of empirical data related to consumers' market behavior in making marketing policy and strategy. Prerequisite: BPA 340.

## **BPA 351.** Marketing Problems

Application of marketing principles to a wide variety of problems related to the formulation of marketing policy. Case method. Prerequisite: BPA 350. Not offered in 1970-71.

## BPA 352. Marketing Forecasting and Control

A study of concepts and methods employed in forecasting sales and in the analysis of the selling performance of firms. Prerequisite: Mathematics 202 and BPA 340.

#### BPA 365. Risk Management

An introduction to risk management, with emphasis on the application of insurance in coping with uncertainty. Prerequisite: junior standing.

## BPA 375. The Administrative Processes in Government

Creation, execution, and coordination of public policy by executives and bureaucracies. Problems of administrative organization. Relations with other institutions and processes. Comparative, but with emphasis on American experience. Prerequisite: One course in Political Science or BPA 310. This course is identical to Political Science 310.

#### **BPA 400.** Legal Environment

Designated to acquaint the student with the legal aspects of the business community and also with the legal rights, obligations, and responsibilities of a member of society in his relationships with others. Prerequisite: junior standing.

#### BPA 404. Auditing

Theory and practice of auditing. Verification of the accuracy of business accounting records and financial statements. Duties and responsibilities of independent auditors, Prerequisite: BPA 301. Not offered in 1970–71.

#### **BPA 405.** Governmental Accounting

Concepts of accounting and financial reporting for governmental institutions. Budgetary control and accounting for various funds. Prerequisite: BPA 301. Not offered in 1970-71.

## **BPA 406.** Advanced Accounting Problems

Specialized problems in accounting. Prerequisite: 25 hours of accounting. Not offered in 1970-71.

## **BPA 410.** Business and Society

An examination of the social and economic setting in which today's businessman must operate. Special emphasis on management's social responsibilities. Prerequisite: junior standing.

#### **BPA 411.** International Marketing

Evolving concepts and practices in international business. Analysis of international marketing operations, focusing on distributional, promotional, and pricing problems of firms engaged in international business. Prerequisite: 25 hours of BPA courses and BPA 340. Not offered in 1970-71.

#### **BPA 415.** Problems in Public Administration

An analysis of different aspects of the role of the administrator in various governmental circumstances. Prerequisite: BPA 375 (Political Science 310).

## BPA 420. Administrative Theory and Practice

A study of the behavior of people within the framework of a formal organization. Stresses the analysis of interpersonal relations and the application of generalizations from the behavioral sciences in solving administrative problems. Prerequisite: BPA 310.

## **BPA 425.** Financial Management

The analysis of financial problems of the firm. Formulation of financial policy. Case method. Prerequisite: BPA 302. Not offered in 1970-71.

## **BPA 477.** Selected Topics in Business

Study of one or two selected topics in business each term. These topics will be ones not covered in depth in regular course work. Examples are: agribusiness, automation, business ethics, executive mobility, industrial engineering, location of industrial enterprise, pollution, or wage incentives. Prerequisite: Business and Public Administration major with a minimum of 120 credits.

#### **BPA 490.** Senior Seminar in Policy Formulation

A terminal integrating course. Analysis of a wide range of policy decisions, with focus on the role of the executive in planning and implementing programs. Pre-requisite: senior standing and 30 credits of courses in the Division. Not offered in 1970-71.

#### BPA 499. Individual Study

Individual projects or directed reading for students qualified to carry on independent work. Prerequisite: permission of instructor and division chairman. Credit arranged.

## DIVISION OF EDUCATION

In its first year, the College will provide programs in Education sufficient to prepare students for earning elementary and secondary teaching credentials.

A limited program of graduate courses in Education and other areas will also be available to fifth-year candidates for credentials during 1970-71. Descriptions of the courses offered under this program and a schedule of the times when they will meet can be secured from the office of the Division of Education.

In addition to its offerings in teacher preparation the Division of Education has administrative responsibility for courses offered by the College in Physical Education and in Health.

## TEACHER PREPARATION

The Division of Education of California State College, Bakersfield is dedicated to the preparation of well equipped teachers and other professional personnel for the public schools. Students planning to enter the teaching profession combine academic with professional studies. Work in professional education courses is designed to complement the subject matter instruction provided by other components of the College. Students are requested to seek advice in the office of the Division of Education prior to registration for courses in professional education.

Student teaching is one of the specific requirements in professional education under each teaching credential program. Application for admission to student teaching must be filed in the office of the Division of Education at least one quarter prior to anticipated enrollment. The applicant must have completed fifteen quarter units of work at CSCB prior to registration. Admission to student teaching is based on presentation of an acceptable profile including the following areas: (1) command of the fundamental skills of communication, (2) breadth of understanding in the common areas of learning, (3) scholarship, (4) personality and character, (5) interest in teaching, and (6) health. In addition, the student must present evidence of satisfactory progress in an area of academic concentration and in professional education courses, as well as evidence of readiness to accept the responsibilities of student teaching.

More complete details on standards and procedures in credential programs are available from the office of the Division of Education.

#### CREDENTIAL PROGRAMS

The information below summarizes the regulations in effect at the time this catalog was prepared for publication. Teaching credential regulations are subject to change by the State Board of Education. Any changes after publication of this catalog will be reflected in information leaflets obtainable in the office of the Division of Education, which will also delineate requirements more fully than in the following general statements.

#### The Elementary Teaching Credential Program

The requirements for The Standard Teaching Credential with a Specialization in Elementary Teaching are:

1. A bachelor's degree from an approved institution

2. An approved program of general studies, compatible with the State of California Credential requirements, which will satisfy the College general education requirements, selected from humanities, social sciences, natural sciences, mathematics, fine arts, and foreign languages

3. An approved major, compatible with the State of California Credential requirements, which will satisfy the College requirements. (The Credential does not require a minor if the major is in an academic subject commonly

taught in the elementary school.)

- 4. Professional preparation to include:
  - a. Social foundations of education
  - b. Psychological foundations of education
  - c. Curriculum and instructional procedures and materials used in teaching in elementary schools
  - d. Methods of reading instruction
  - e. Student teaching in the elementary school

Note: The Elementary Credential may be issued on the basis of partial fulfillment of requirements to an applicant who has a bachelor's or higher degree from an approved institution and who has completed student teaching in the elementary school.

5. A fifth year of college postgraduate work taken at the upper division or graduate level to complete a balanced program of academic and professional preparation. A master's degree is not required, but the student is encouraged to qualify for it.

## The Secondary Teaching Credential Program

The requirements for The Standard Teaching Credential with a Specialization in Secondary Teaching are:

- 1. A bachelor's degree from an approved institution
- 2. An approved program of general studies, compatible with the State of California Credential requirements, which will satisfy the College general education requirements, selected from humanities, social sciences, natural sciences, mathematics, fine arts, and foreign languages
- 3. An approved major, compatible with the State of California Credential requirements, which will satisfy the College requirements. (The Credential does not require a minor if the major is in an academic subject commonly taught in public high schools.)
- 4. Professional preparation to include:
  - a. Social foundations of education
  - b. Psychological foundations of education
  - c. Curriculum and instructional procedures and materials used in teaching in secondary schools
  - d. Methods of teaching the major in the secondary school
  - e. Student teaching in the secondary school
- 5. A fifth year of college postgraduate work taken at the upper division or graduate level to complete a balanced program of academic and professional preparation. A master's degree is not required, but the student is encouraged to qualify for it.

## **COURSES**

All courses in the Division of Education not otherwise designated carry five quarter units of credit.

#### **Lower Division**

## Physical Education 100. Fundamental Skills

Instruction in a variety of sports activities. One hour credit, two meetings per week.

#### Health 100. Principles of Healthful Living

An application of modern knowledge to the development of understanding, attitudes, and practices essential to healthful living. One hour credit, two meetings per week.

## **Upper Division**

## Education 301. Psychological Foundations of Education

Psychological foundations of the teaching-learning processes; learning theories and their relationships to public school practices; child growth and development; evaluation.

#### Education 310. Curriculum and Instruction in the Elementary School

A comprehensive course in general elementary school curriculum and methods of instruction, including instructional procedures, media, and materials used in teaching in elementary schools; classroom organization and management; evaluation. Prerequisite: Education 301 and admission to the elementary teaching credential program.

# Education 311. Curriculum and Instruction in the Elementary School

A continuation of Education 310. Prerequisite: Education 310.

# Education 351. Curriculum and Instruction in the Secondary School

A comprehensive course in general secondary school curriculum and methods of instruction; instructional procedures, methods, media, and materials used in teaching in secondary schools; classroom organization and management; evaluation. Prerequisite: Education 301 and admission to the secondary teaching credential program.

#### Education 401. Social Foundations of Education

Historical, philosophical, and sociological foundations of public education in the United States; democratic values and the development of tax-supported schools, relationships of the school in the community.

## Education 403. Methods of Reading Instruction in the Elementary School

Methods of reading instruction in the elementary school, including the phonics method; instructional procedures, media, and materials. Prerequisite: Education 311.

# Education 440. Education of the Socially Disadvantaged

A sociological-psychological survey of the disadvantaged and their relations with the schools. Analysis of inherent problems: motivation, communication, English as a second language.

## Education 452. Methods of Teaching the Major in the Secondary School

Methods of teaching specific subjects in the secondary school; instructional procedures, media, and materials; includes field work and conferences. Separate sections of this course will be offered for students preparing to teach in different subject matter areas. Prerequisite: Education 301, 351, and admission to the secondary teaching credential program.

## Education 484. Student Teaching in the Elementary School (15 quarter units)

Supervised teaching in an elementary school daily for one quarter; includes field work and conferences in methods of teaching. The student must be free of college campus obligations during the public school day. Prerequisite: Education 301, 310, 311, and admission to student teaching.

#### Education 485. Student Teaching in the Secondary School (10 quarter units)

Supervised teaching in the student's major subject in a secondary school for one quarter; includes seminar. Prerequisite: Education 301, 351, 452, and admission to student teaching.

# SCHOOL OF HUMANITIES

Learning opportunities in the School of Humanities, California State College, Bakersfield, have been designed to encourage students to appreciate the relevance of humanistic study to life in the modern world.

The curriculum pattern of the School of Humanities is based on a program of introductory and developmental courses on the lower division level for each of the disciplines in the School of Humanities and a series of upper division courses for each area of study.

Each introductory course is designed to show the applicability of its subject matter to the acquisition of a life form capable of coping both with the diversity and unpredictability of human endeavor, and also with the fact of the eternally similar needs and aspirations of man. Stress is accorded the role played by a particular discipline in the civilizing of mankind. Attention is given to the methodology of each area of humanistic study, as a way of evaluating its integrity. The significance of the subject matter for the contemporary world will be considered.

The developmental courses are designed to treat their subject matter from a substantive point-of-view, and also to show how understanding of the material in the course can contribute to an understanding of the problems of our age. They also provide background valuable for more advanced work in a particular area of major and minor concentration.

Upper division work in the various departments of the School, while it may be taken for elective credit by any eligible student, is designed primarily to meet the needs of majors and minors.

#### GENERAL REQUIREMENTS FOR A MAJOR

General requirements for a major within the School of Humanities include:

- 1. A Major of at least seven courses.
- An approved Minor of at least three courses in a related department (which may be outside the School of Humanities).
- Foreign language competence equivalent to third-quarter-proficiency. Note:
   This requirement will be waived for any student who has begun his college work prior to the opening of California State College, Bakersfield.

Business and Public Administration 210 (Computer Programming and Data Processing I) is recommended for all students in the School of Humanities.

Students in the School of Humanities must also meet the General Education Requirements of the College.

# ENGLISH DEPARTMENT

The English curriculum is divided into a remedial group (English 51 and 52), a basic composition and speech course (English 100), an introduction to the nature of literature (English 101), two lower division and one advanced course in speech (English 108, 109, and 421), an advanced composition course (English 110), a series of developmental courses, and a number of courses established primarily, although not exclusively, for majors and minors. The introduction to the nature of literature course (English 101) is structured to allow the student to experience what literature is, how it functions, and the value relationship of its study to the contemporary world. It is recommended, but not required, that all students complete English 101 before taking any other English literature course with a higher sequence number.

The developmental courses (English 203 through 205) are designed to allow the student to study literature itself and to experience the relationship of literature to man and his life; to experience the tie between literature and living. These courses may be used to satisfy an additional five hours of the General Education requirement in Humanities; they may be also taken by students majoring or minoring in English. Courses numbered 300 and 400 are courses primarily for majors and minors, but open to all students who have satisfactorily completed at least one course from the 100 or 200 series, or its equivalent (except English 108 and 109). Courses from the 400 series may be conducted in an interdisciplinary way with the cooperation and help of other departments. In such cases, they may be cross-listed with such departments. Both the major and minor in English are available to all students beginning in the first year of the college.

#### REQUIREMENTS FOR THE MAJOR

The minimum requirements for an English major are:

A. Satisfactory completion of English 101 or its equivalent. (May be waived for transfer students and for other students in special cases.)

B. Six courses in English from the 300 series or above, including the Senior Seminar, English 490. (Although the developmental courses in the 200 series are not prerequisites for advanced work in English, it is likely that a student's work in any particular 300 or 400 course would benefit from his having taken the comparable 200 course.)

C. Satisfactory completion of an acceptable minor.

D. Three-quarter-equivalent foreign language proficiency. Note: This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

Students majoring in English must also meet the general requirements for a major within the School of Humanities as noted in the section entitled "General Requirements for a Major."

## REQUIREMENTS FOR THE MINOR

The minimum requirements for an English minor are:

1. Satisfactory completion of English 101, or its equivalent.

2. Three other courses selected with the advice of an appropriate advisor.

#### COURSES

Note: All courses not otherwise described carry five quarter units of credit.

#### **Lower Division**

## English 51. Fundamentals of Communication

A one-term course designed to develop skills in writing, speaking, and discussing. Open by special permission to students whose pervious records or placement scores indicate that they will benefit from special work prior to enrolling in English 101. May be taken twice. Offered only on a pass, no-credit basis. Does not count toward graduation.

ENGLISH 75

## English 52. Developmental Reading

A one-term course open by special permission to students whose previous records or test scores indicate that they will benefit from a course designed to improve their reading speed and comprehension before they undertake courses that involve substantial amounts of required reading. May be taken twice. Offered only on a pass, no-credit basis. Does not count toward graduation.

## English 100. English Composition and Speech

Study and exercise in the nature of prose to help students develop a mature and functional expository style as well as demonstrated competence in effective communication. Three lectures and two three-hour reading, writing, and speech laboratories. This course satisfies one half of the Basic Subjects portion of the College's General Education requirement.

#### English 101. Introduction to the Nature of Literature

The development of the critical sense and the study of the relation of the form of literature to the society which produced it. Study of the application of basic research techniques to representative forms of literature—the short story, the drama, and the poem.

# English 108. Introduction to Public Speaking

An introduction to practical speech problems with training in the principles concerning the organization of various forms of public address and effective delivery.

#### English 109. Principles of Group Discussion

Theory and methods of group discussion; practice in organizing and conducting informal and public discussion for the solving of problems; attention to the role of group discussions in the contemporary world. Not offered in 1970-71.

#### English 110. Advanced Composition

Experience in advanced expository writing. Prerequisite: English 101 or equivalent. One or more substantial papers each week. This course can satisfy the second half (after English 100) of the Basic Subjects requirement.

## English 203. The Development of English Literature: 450-1798

The emergence of the English "people" as reflected in medieval and Renaissance readings: i.e., Beowulf, Sir Gawain and the Green Knight, Chaucer, Spenser, and Milton; the rise of the middle class in the age of "common sense." Readings in Dryden, Pope, Swift, Richardson, Fielding, Johnson, and Burns; emphasis on the relationship of literature to life—the sources from which it has sprung, the literature itself, and the audience that reads it.

#### English 204. The Development of English Literature: 1798-Present

Revolution to Empire, selected readings in Wordsworth, Coleridge, Keats, Shelley, Byron, Tennyson, Browning, Arnold and others; emphasis on the relationship of literature to life—the sources from which it has sprung, the literature itself, and the audience that reads it.

## English 205. Introduction to the Study of American Literature

American literature from colonial times to the present.

#### English 206. Survey of Black Literature

Literature of and about the Black Man in America.

#### Upper Division

# English 307. Survey of English Literature: 450-1500

The beginnings of English literature; Beowulf in translation, Sir Gawain and the Green Knight, the rise of English nationalism, Chaucer, Langland. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent except English 108 and 109.

## English 308. Survey of English Literature: 1500-1660

The Renaissance in England, the classical revival, Wyatt and Surrey, Sidney, Spenser, Milton—the exploratory age, classical, heroic, nationalistic. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent except English 108 or 109.

# English 309. English Literature of the Restoration and Eighteenth Century: 1660—1798

The "neo-classic" age and the rise of "sentiment." The rise of the middle class and its literature. Selected studies in Dryden, Restoration drama, Swift, Pope, Addison and Steele, Johnson, Burns, and Blake. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent except English 108 and 109.

## English 310. Romantic English Literature: 1798–1837

Prose and Poetry. Studies in Wordsworth, Coleridge, Keats, Shelley, and Byron. The decline of the drama. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

#### English 311. Victorian English Literature: 1837-1901

Prose and Poetry. Studies in Tennyson, Browning, Arnold, Swinburne, Ruskin, and Newman. Literature, criticism, and the scientific revolution. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

# English 312. Shakespeare

Selected readings in the tragedies, comedies, plays and poems. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

## English 313. American Literature to the Civil War

The Beginnings to the Civil War; Colonial Literature, Franklin, Paine, Emerson, Thoreau, Poe, Longfellow, Melville, Hawthorne, and others. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

## English 314. American Literature from the Civil War to 1900

Whitman, Harte, Twain, Crane, Howells, Dickinson, and others. The rise of realism. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 or 109.

## English 315. Twentieth Century British and American Literature

The literature of withdrawal and of engagement. The novel, drama, and poem as instruments of artistic and social comment. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

#### English 325. European Literature in Translation

Selected works of Continental Europe in translation. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series, or its equivalent, except English 108 and 109. Not offered in 1970-71.

#### English 350. History of the Language

English phonology, morphology, syntax, spelling, and punctuation. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

#### English 419. Introduction to Linguistics

Descriptive and historical linguistics; relationship between language and culture. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

ENGLISH 77

## English 420. Studies in Linguistics

Selected aspects of descriptive and/or historical linguistics. Prerequisite: English 419, Not offered in 1970-71.

#### English 421. Communications Theory and Semantics

Communication models in relation to natural and formal language systems; contributions of theories of information, semantics, psycholinguistics, and general systems to the study of communication. Prerequisite: Satisfactory completion of at least one course in Speech from the 100 series.

## English 475. Genre Studies

Studies in the novel, drama, poetry, criticism. Specific formal study and course content to be determined by instructor each quarter. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent, except English 108 and 109.

# English 477. Studies in Literature and Society

Varying subject matter course in contemporary literature dealing with literary response to a current philosophical or sociological question. Examples of themes to be dealt with are:

- A. Technology
- B. Media
- C. The Affluent Society
- D. Secularization of Society
- E. The American Dream

Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent except English 108 and 109. Not offered in 1970-71.

#### English 481. Children's Literature

Analysis of selected works of literature suitable for children with attention to standards of selection and methods of use as teaching materials. Prerequisite: Satisfactory completion of at least one course from the 100 or 200 series or its equivalent except English 108 and 109. Does not count toward the major.

#### English 490. Senior Seminar

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of English to student's minor field of study. Prerequisite: Senior standing and consent of instructor.

# English 499. Individual Study

Admission with consent of Department Chairman and Dean of Humanities.

# FINE ARTS DEPARTMENT

The Fine Arts Department offers work in Art and Music, and will offer work in theatre:

The interdisciplinary opening courses, Fine Arts 101, 201, 202, 203 and 204, are integrated offerings dealing with the nature of the Fine Arts, and with the place

of artistic expression in society.

In addition to providing the total student body with courses that may be taken for General Education or elective credit, the department will begin with two concentration programs as follows: Fine Arts major, available in 1970–71 to Juniors and below; Art minor available in 1970–71, to all students. A Music minor will be available in 1971–72 to all students.

## REQUIREMENTS FOR THE MAJOR

A student majoring in Fine Arts is required to satisfy the following requirements:

- A. Four Fine Arts courses including 101, two from the 200-210 series and 490, the Senior Seminar
- B. Six courses (30 quarter hours) in a field of concentration (either Art or Music)

C. Completion of an acceptable minor in a related department

D. Three-quarter-equivalent foreign language proficiency. Note: This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

Students majoring in Fine Arts must also meet the general requirements for a major within the School of Humanities as noted in the section entitled "General Requirements for a Major."

Particular requirements for concentrations in Art and in Music are set forth below under Concentrations in Art and Concentrations in Music.

#### COURSES

Note: All courses not otherwise described carry five quarter units of credit.

#### **Lower Division**

# Fine Arts 101. Introduction to the Study of Fine Arts

Analytical and comparative study of those considerations which are basic to the various fine arts and of the relations of those arts to society. Three lecture-discussions and two studio-laboratory sessions per week.

## Fine Arts 201. The Fine Arts and the World to 1500

Analysis of styles, forms and theories of the Fine Arts from primitive times to the Sixteenth Century. Introduction to studio experience in medium of the period selected by student. Three lecture-discussions and two studio-laboratory sessions per week.

# Fine Arts 202. The Fine Arts and the Organization of Society from the Sixteenth Century to the Industrial Revolution

Analysis of styles, forms and theories of the Fine Arts from 1500 through the nineteenth century. Introduction to studio experience in medium of the period selected by student. Three lecture-discussions and two studio-laboratory sessions per week.

# Fine Arts 203. The Fine Arts and the Contemporary World; the Impact of Technology

Relationship of the Fine Arts to technological life in the contemporary world; interrelations of style, theory and form. Introduction to studio experience in medium of the period selected by student.

# Fine Arts 204. Comparative Study of the Fine Arts in Western and non-Western Societies

Analysis of selected topics to elucidate the role allotted to the Fine Arts in Western and non-Western Societies; relationship of this role to the structure and composition of various artistic productions. Introduction to studio experience in medium of the period selected by student. Three lecture-discussions and two studio-laboratory sessions per week. Not offered in 1970-71.

## **Upper Division**

## Fine Arts 490. Senior Seminar in Fine Arts

Consideration of the nature of the arts. Integration of materials from other courses. Relation of Fine Arts to student's minor field of study. Prerequisite: Senior majors or consent of instructor. Not offered in 1970-71.

## CONCENTRATION IN ART

# Requirements for a Fine Arts Major with a Concentration in Art

A. Fine Arts 101, or its equivalent.

B. Two courses from the series Fine Arts 200-210.

C. Six courses (thirty quarter hours) in Art, including

1. Two performance courses drawn from courses 300-310.

 Either four Art History courses drawn from 311-320 and 478, or four advanced performance classes drawn from courses 350-360 and 477 plus a senior show or thesis.

D. Completion of an acceptable minor in a related department.

E. Fine Arts 490, the Senior Seminar.

F. Three-quarter-equivalent foreign language proficiency. *Note:* This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

## Requirements for a Minor in Art

1. Fine Arts 101 or its equivalent.

2. One course from the series Fine Arts 200-299.

3. Art 303, 304, 305, or three courses from the 300 Art History Series.

#### COURSES

Note: All courses not otherwise described carry five quarter units of credit.

#### Art 303. Drawing

Introduction to drawing and composition in a variety of media including drawing from the human figure. Two lectures and nine hours of laboratory.

#### Art 304. Painting

Composition and two and three-dimensional design problems using various media; painting from the human figure. Two lectures and nine hours of laboratory.

#### Art 305. Sculpture

Principles of sculpture explored in various media. Two lectures and nine hours of laboratory.

#### Art 306. Ceramics

Introduction to various basic techniques and approaches used in designing, forming, glazing, and firing of ceramic materials; practice on the potter's wheel and various handbuilding methods; consideration of problems in design. Two lectures and nine hours of laboratory. Not offered in 1970-71.

#### Art 307. Beginning Printmaking

Introduction to printmaking techniques including experiences in relief and intaglio printing. Two lectures and nine hours of laboratory. Not offered in 1970-71.

#### Art 311. Ancient Art

A study of the architecture, painting, and sculpture, of ancient cultures and civilizations including Egypt, Mesopotamia, Asia Minor, Crete Islands, Greece and Rome. Not offered in 1970–71.

## Art 312. Early Christian and Byzantine Art

The arts and architecture of the Early Christian Period in Europe, art and architecture in the Byzantine Empire to the fall of Constantinople. Not offered in 1970-71.

# Art 313. The Art of the High Middle Ages in Europe

Architecture, sculpture, painting, and the minor arts, in Europe from the Eleventh to Fourteenth Centuries. Not offered in 1970-71.

#### Art 314. The Art of the Renaissance

Artistic productions of Italy and Northern Europe in the Fourteenth, Fifteenth and Sixteenth Centuries.

#### Art 315. The Arts of the Seventeenth, Eighteenth and Nineteenth Centuries

The Seventeenth, Eighteenth and Nineteenth Centuries in architecture, sculpture, and painting in Europe.

## Art 316. The Arts in the Twentieth Century

A study of major artists and artistic currents in Europe and America in the Twentieth Century.

## Art 317. Survey of Art in the United States

Art in the United States from the Seventeenth Century to the Twentieth Century. Not offered in 1970-71.

# Art 318. The Art of Central and South America and Its Influence in the United States; the Role of the Mexican and the Mexican-American Artist

An introduction to the art styles, forms, and theories of Central and South America and their influence on the United States with attention to the role of the Mexican-American artist in relation to this development. Not offered in 1970-71.

#### Art 351. Drawing Studio

Studio experience in the problems and concepts in drawing using a variety of media. Prerequisite: Art 303.

#### Art 352. Painting Studio

Problems and concepts in painting, using a variety of media. Prerequisite: Art 307.

#### Art 353. Sculpture Studio

Problems and concepts in sculpture using a variety of media. Prerequisite: Art 305.

## Art 354. Ceramic Studio

Problems and concepts in ceramics using a variety of media. Prerequisite: Art 306. Not offered in 1970-71.

## Art 358. Weaving and Textile Design Studio

Problems and concepts in weaves, techniques, and materials of structural textile design. Prerequisite: Fine Arts 101. Not offered in 1970-71.

## Art 366. History of Design

Growth of design as an independent creativity including consideration of preindustrial and industrial culture. Not offered in 1970-71.

## Art 407. Senior Show or Thesis

No credit.

## Art 477. Special Studies in Art

Opportunity for extensive work with faculty supervision on individual problems. Limited to one five-hour credit course in any one area. The area to be covered in any particular quarter will be designated before the time of registration. Possible fields of study in this regard are:

- a. Ceramics
- b. General crafts
- c. Drawing
- d. Graphic design
- e. Life drawing
- f. Painting

Fifteen hours of laboratory.

# g. Sculpture

- h. Textile design
- i. Art education
- j. Art history
- k. Printmaking

# Art 478. Special Studies in Art History

The period and subject matter of this course will be designated before the time of registration. The course may be repeated for credit not to exceed 10 quarter hours. Possible areas which may be covered by this course are:

- a. The Art of South and Southwest Asia.
- b. The Art of East and Southeast Asia.
- c. The Art of the North American Indian.

#### Art 499. Individual Study

Admission with consent of Department Chairman and Dean of Humanities.

#### CONCENTRATION IN MUSIC

# Requirements for Fine Arts Concentration in Music

- A. Fine Arts 101, or its equivalent.
- B. Two courses from the series Fine Arts 200-210.
- C. Six music courses selected with the approval of the Department, including 308.
- D. Participation in a performing organization and applied music study for every term of residence after formal registration as a Fine Arts major. Students following the Music Concentration program in the Department of Fine Arts will be required to take that amount of work in applied music necessary to show a level of performance acceptable to the department at the end of each quarter of concentration. Overall proficiency in the student's main medium of performance must be demonstrated by the Senior recital. The applied music requirement may be met by individual instruction arrangements.
- E. Fine Arts 496, the senior seminar.
- F. Completion of an acceptable minor in a related department.
- G. Senior recital.
- H. Three-quarter-equivalent competency in a foreign language. Note: This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

# Requirements for a Minor in Music

Three five-quarter-unit courses in Music or Fine Arts acceptable to the Department, plus one quarter of applied music and one quarter of work in a performing organization.

#### COURSES

Note: All courses not otherwise described carry five quarter units of credit.

#### **Lower Division**

# Music 103. Theory I

Analysis of music theory in an integrated approach, including harmony, melody dictation, sight singing, keyboard harmony and an examination of the basic literature. Three lectures and two studio laboratories.

## Music 104. Theory II

Continuation of Theory I. Prerequisite: Theory I or departmental consent.

# Music 105. Theory III

Continuation of Theory II. Prerequisite: Theory II or departmental consent.

## **Upper Division**

#### Music 306. Theory IV

Three- and four-part counterpoint and contemporary harmonic practice. Prerequisite: Theory III or departmental consent. Not offered in 1970-71.

## Music 307. Orchestration and Conducting

Characteristics, technical adaptability and use of orchestral or band instruments. Experience in scoring for string, woodwind, brass and percussion ensembles in relation to the art of orchestration, as well as practice in basic conducting technique. Prerequisite: Theory IV or departmental consent. Not offered in 1970-71.

## Music 308. Form and Analysis

Individual and class analysis of selected compositions of various periods of style; experience in developing individual works. Prerequisite: Theory IV or departmental consent. Not offered in 1970-71.

#### Music 309. Opera

Analysis of traditional and contemporary opera. Not offered in 1970-71.

#### Music 320. Music and the Theatre

History and development of music for the stage from 1600 to the present; its conventions and styles. Analysis of representative masterworks.

## Music 321. Church Music

The development of Western Church music from its roots in the Jewish and Greek cultures to the present. Course will conclude with a discussion of past and contemporary church music in the United States. Not offered in 1970-71.

#### Music 325. Afro-American Music

Development of Black music from its beginnings to the present. Not offered in 1970-71.

# Music 401. Group Performance

Participation in one performing group (vocal group, instrumental ensemble, or band). One quarter unit of credit per term not to exceed a total of five for music concentrators. Participation in at least one organization is required of all majors every term.

# Music 403. Individual Instruction

Individual instruction by selected teachers in voice, piano, organ, harp and the various instruments of the band and orchestra. Open to all students. Credit available to music majors only of one quarter unit per term not to exceed a total of five units on pass no-credit basis. Information regarding procedure for all students and program approval for music majors and minors must be obtained from the department for each registration. Music majors will follow program approved by their advisor and may be required to demonstrate proficiency progress before a faculty jury each semester. Special fee.

## Music 404. Senior Recital

Exhibition of proficiency in major medium of performance. No credit.

# Music 477. Special Studies

Individual research and group investigation of selected topics such as the development of music for the solo voice after 1600 or the symphony and symphonic poem from their inception to the present time. Topics to be covered each quarter will be communicated to interested students before the time of registration. Consultation with instructor required before registration. Limited to one five-hour credit course in any one area.

#### Music 499. Individual Study

Admission with consent of Department Chairman and Dean of Humanities.

# FOREIGN LANGUAGES DEPARTMENT

During 1970-71, the Department of Foreign Languages will offer programs

in French, German, and Spanish.

A Spanish Minor will be available to students graduating in June, 1971, who have had appropriate preparation prior to their enrollment at CSCB. A Major in Spanish, or a Minor in any of the three languages offered, will be available to students graduating in June, 1972, or later.

#### **CONCENTRATION REQUIREMENTS**

# **Spanish Major Requirements**

- A. Seven courses from the 300 and 400 series, including Spanish 400 and 401 and the Senior Seminar (Spanish 490).
- B. Completion of an acceptable minor in a related department.

Students majoring in Spanish must also meet the general requirements for a major within the School of Humanities as noted in the section entitled "General Requirements for a Major."

#### French Minor Requirements

Completion of 15 hours of upper division work.

## German Minor Requirements

Completion of 15 hours of upper division work.

#### **Spanish Minor Requirements**

Completion of 15 hours of upper division work.

#### FRENCH COURSES

Note: Each course not described otherwise carries five quarter units of credit.

#### **Lower Division**

## French 101. Elementary French

An introduction to the fundamentals of French grammar. Oral drills, reading, written exercises. One hour of laboratory with the instructor, per week; one hour independently. Students with only one year of high school French should enroll in this course.

#### French 102. Intermediate French

A continuation of French 101. Oral drills, reading of selected texts, written exercises. One hour of laboratory with the instructor, per week; one hour independently. Prerequisite: French 101, or two years of high school French or the equivalent.

# French 103. Advanced French

A review of fundamentals. Reading of selected texts, translation and conversation. One hour of laboratory with the instructor, per week; one hour independently. Prerequisite: French 102, or three years of high school French, or the equivalent.

## French 201. Intermediate French Grammar

Composition and conversation. An intensive review of French grammar with extensive practice in translation, oral and written expression. Independent laboratory work, poetry and prose selections. Prerequisite: French 103, or four years of high school French, or the equivalent.

#### **Upper Division**

# French 304. Masterpieces of French Literature

Reading and discussion of selected major French authors. Prerequisite: French 201, or the equivalent. Not offered in 1970-71.

# French 490. Introduction to French Linguistics

The development of French from vulgar Latin. Not offered in 1970-71.

# French 409. Advanced French Syntax

A detailed study of French syntax, stressing the experimental descriptive approach. Not offered in 1970-71.

#### French 410. French Phonetics

A detailed study of the formation of French sounds and intonation, together with practical exercises in the language laboratory. Not offered in 1970-71.

#### GERMAN COURSES

Note: Each course not described otherwise carries five quarter units of credit.

#### **Lower Division**

#### German 101. Elementary German

An introduction to the fundamentals of German grammar. Oral drills, reading, written exercises. One hour of laboratory with the instructor, per week; one hour independently. Students with only one year of high school German should enroll in this course.

#### German 102. Intermediate German

A continuation of German 101. Oral drills, reading of selected texts, written exercises. One hour of laboratory with the instructor, per week; one hour independently. Prerequisite: German 101, or two years of high school German or the equivalent.

#### German 103. Advanced German

A review of fundamentals. Reading of selected texts, translation and conversation. One hour of laboratory with the instructor, per week; one hour independently. Prerequisite: German 102, or three years of high school German, or the equivalent.

#### German 110. Scientific Reading

Readings taken from the fields of biology, chemistry, geology, health science, mathematics, physics, etc. Prerequisite: German 102 or three years of high school German or the equivalent.

#### German 201. Intermediate German Grammar

Composition and conversation. An intensive review of German grammar with extensive practice in translation, oral and written expression. Independent laboratory work, poetry and prose selections. Prerequisite: German 103, or four years of high school German, or the equivalent.

## **Upper Division**

#### German 304. Masterpieces of German Literature

Reading and discussion of selected major German authors. Prerequisite: German 201, or the equivalent. Not offered in 1970-71.

## German 400. Introduction to German Linguistics

The historical development of German. Not offered in 1970-71.

## German 409. Advanced German Syntax

A detailed study of German syntax, stressing the experimental descriptive approach. Not offered in 1970-71.

#### German 410. German Phonetics

A detailed study of the formation of German sounds and intonation, together with practical exercises in the language laboratory. Not offered in 1970-71.

#### SPANISH COURSES

Note: Each course not described otherwise carries five quarter units of credit.

#### **Lower Division**

#### Spanish 101. Elementary Spanish

Fundamentals of Spanish grammar. Oral drills, reading, written exercises. One hour of laboratory with the instructor, per week; one hour independently. Students with only one year of high school Spanish should enroll in this course.

## Spanish 102. Intermediate Spanish

A continuation of Spanish 101. Oral drills, reading of selected texts, written exercises. One hour of laboratory with the instructor, per week; one hour independently. Prerequisite: Spanish 101, or two years of high school Spanish or the equivalent.

#### Spanish 103. Advanced Spanish

A review of fundamentals. Reading of selected texts, translation and conversation. One hour of laboratory with the instructor, per week; one hour independently. Prerequisite: Spanish 102, or three years of high school Spanish, or the equivalent.

#### Spanish 201. Intermediate Spanish Grammar

Composition and conversation. An intensive review of Spanish grammar with extensive practice in translation, oral and written expression. Independent laboratory work, poetry and prose selections. Prerequisite: Spanish 103, or four years of high school Spanish, or the equivalent.

#### **Upper Division**

## Spanish 301. Introduction to Spanish Literature I

A overview of Spanish literature from the Cantar de Mio Cid to 1700. Prerequisite: Spanish 201 or the equivalent.

#### Spanish 302. Introduction to Spanish Literature II

An overview of Spanish literature from the Feijoo and the ideological renewal (18th century) to the present.

#### Spanish 303. Introduction to Hispanic American Literature

An overview of Hispanic American literature from Colón to the struggle for independence.

#### Spanish 400. Introduction to Spanish Linguistics

The development of Spanish from vulgar Latin.

## Spanish 401. Corvantes

The novel to Cervantes. Textual reading and examination of Don Quixote, with an introduction to Cervantes' other works.

## Spanish 402. Spanish Literature of the Golden Age: Poetry and Theatre

The pre-lopistas, Garcilaso, Lope, Tirso, Alarcón, Calderón, and contemporaries; lyric poetry (Lope, Góngora, Quevedo), mystic poetry (San Juan, Santa Teresa and others). Not offered in 1970-71.

#### Spanish 403. Prose Genre of the 19th Century

Reading of representative authors: Palacio Valdés, Alarcón, Valera, Pereda, Pardo Bazán, Alas, Galdós. Not offered in 1970-71.

# Spanish 404. Literary Currents of the 19th Century

Costumbrismo, Romanticismo, Realismo, Naturalismo, and Modernismo. Not offered in 1970-71.

## Spanish 405. The Generation of '98

A study of the representative works of Azorín, Baroja, Unamuo, Valle-Inclán, Machado, Benavente, and others. Not offered in 1970-71.

## Spanish 406. Spanish Novel of the 20th Century

The representative authors of the contemporary period in Spain. Not offered in 1970-71.

#### Spanish 407. Spanish Theatre and Poetry of the 20th Century

The works of representative authors of the contemporary period in Spain. Not offered in 1970-71.

#### Spanish 409. Advanced Spanish Syntax

A detailed study of Spanish syntax, stressing the experimental descriptive approach. Not offered in 1970-71.

## Spanish 410. Spanish Phonetics

A detailed study of the formation of Spanish sounds and intonation, together with practical exercises in the language laboratory. Not offered in 1970-71.

## Spanish 415. The Hispanic-American Novel

The works of Blest Gana, Isaacs, Altamirano, Barrios, Galves, Azuela, Gallegos, Rivera. Not offered in 1970-71.

# Spanish 416. Contemporary Hispanic-American Poetry

Aesthetic pronouncements and movement. Reading of representative poets: Vallejo, Mistral, Agustini, Ibarbourou, Neruda and others. Not offered in 1970-71.

## Spanish 417. Modernismo

From the pre-modernistas (Martí, Gutiérrez, Nájera, Silva, del Casal) to Rubén Darío and others.

#### Spanish 418. The Contemporary Hispanic-American Novel

The works and techniques of Rulfo, Fuentes, Cortazar, Vargas Llosa, and García Márque. Not offered in 1970-71.

## Spanish 419. Hispanic-American Culture and Civilization

The development of Hispanic American culture and civilization from its beginning to the present day. Does not count towards the major. Not offered in 1970-71.

#### Spanish 421. Advanced Spanish Conversation and Composition

The emphasis in this course will be on the perfection of those elements of conversation and composition to which the student has already been exposed. Prerequisite: Spanish 201 or equivalent. Not offered in 1970-71.

## Spanish 490. Senior Seminar in Spanish

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of Spanish to student's minor field of study. Prerequisite: Senior standing and consent of instructor. Not offered in 1970-71.

## Spanish 495. Workshop in Mexican-American Literature

Analysis, discussion and laboratory work dealing with the problems associated with writing about and by the Mexican-American in the United States. Does not count toward the major. Not offered in 1970-71.

## Spanish 499. Individual Study

Admission with consent of Department Chairman and Dean of Humanities.

HISTORY 87

#### HISTORY DEPARTMENT

The curriculum in History consists of courses separated into four interlocking but distinct parts. History 101 is designed to allow the student to experience what History is, how it works, and its value relationship to the contemporary world. It is recommended, but not required, that all students complete History 101 before taking any other History courses.

History courses 202 through 249 are developmental courses designed for students who wish to satisfy another five hours of their General Education requirements in History or for students interested in the subject matter for other reasons. History courses numbered 300 to 460 are courses primarily for students with at least Junior standing but open to Sophomore students who have taken History 101, or its equivalent. Courses numbered 450 to 496 may be conducted in an interdisciplinary way with the cooperation and help of the appropriate department. History 498 and 499 may be taken only with the consent of the Department Chairman and the Dean of Humanities. History 490, the Senior Seminar, may be taken only by Senior majors.

Students planning to major or minor in History are urged to pursue their study of a foreign language beyond the School-wide requirement of three terms or the equivalent.

#### CONCENTRATION REQUIREMENTS

## **History Major Requirements**

The minimum requirements for a History major are:

- A. Satisfactory completion of History 101 or its equivalent. (May be waived for transfer students and for other students in special cases.)
- B. Three courses numbered 300 to 399, one of which must be a course dealing with the history of the United States. (Although the developmental courses in the 200 series are not prerequisites for advanced work in History, it is likely that a student's work in any particular 300 or 400 course would benefit from his having taken the comparable 200 course.)
- C. Three additional courses numbered 400 to 499 including the Senior Seminar, History 490.
- D. Satisfactory completion of an acceptable minor.
- E. Three-quarter-equivalent foreign language proficiency. Note: This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

Students majoring in History must also meet the general requirements for a major within the School of Humanities as noted in the section entitled "General Requirements for a Major."

#### **History Minor Requirements**

The minimum requirements for a History minor are:

- 1. Satisfactory completion of History 101 or its equivalent. (May be waived for transfer students and for other students in special cases.)
- 2. Three other courses selected with the advice of an appropriate advisor.

#### COURSES

Note: Each course not otherwise described carries five quarter units of credit.

#### **Lower Division**

## History 101. Case Studies in the Historical Method

This course is designed to accomplish three related objectives: to study ways in which historians come to their conclusions and present them; to investigate the claim that History is capable of providing an accurate evaluation of the past; and to show how such work can affect the views of reality held by individuals, groups, nations and civilizations.

As the means of accomplishing these objectives, each section of the course will utilize a selected topic or time period as a case study. The relationship of History to the problems of the contemporary world will be taken fully into account.

# History 202. European History through the Middle Ages

An analytical survey of the ancient Mediterranean world and the development of Europe out of the remnants of the Roman Empire through the Fifteenth Century.

# History 203. European History from the Fifteenth Century through the Napoleonic Era

Renaissance ideas and political events; causes and results of the Protestant Reformation; French domination of Europe from Louis XIV through the Napoleonic Era.

## History 204. Europe Since 1815

Political, social, cultural, economic, and ideological developments in Continental Europe from the Congress of Vienna to the outbreak of World War II.

## History 205. Survey of American History, 1607 to the Jacksonian Era

The Colonial foundations; political, economic, social, and cultural developments of the emerging United States; history of the early agrarian republic.

## History 206. Survey of American History from the Jacksonian Era to the Present

The early agrarian republic; Civil War and Reconstruction; problems of an increasingly urban and industrialized society; the United States in world affairs.

# History 207. Survey of Asian History

Development of man and culture; economic, political, religious and social factors under the great empires; influence of the west; problems of change and growth in the modern world. Not offered in 1970-71.

#### History 208. Survey of Latin American History

Economic, political, religious, and social developments in Spanish America and Brazil from 1492 to the present.

#### **Upper Division**

#### History 305. England to 1603

Economic, political, cultural and constitutional development of the British Isles from ancient times through the Renaissance and Reformation to the end of the Tudor Period.

#### History 306. England Since 1603

Main currents in the thought, culture, and social progress of the British peoples from 1603 to the present. Emphasis on constitutional growth.

## History 307. Russian Civilization to 1800

The country and peoples of Russia from the Ninth Century to 1800.

HISTORY 89

# History 308. Russian and Soviet Civilization Since 1800

Political, social, and cultural progress of the Russian people during the Nineteenth and Twentieth Centuries.

## History 309. Europe Since 1914

The European nations in two world wars, use and character of totalitarian movements, social and economic developments, new intellectual currents, revolt of Asia and Africa against European dominance.

## History 310. Southwest Asia from the Expansion of Islam to Modern Times

Genesis and use of the Islamic Civilization, the Ottoman Empire, Western influences, the use of independent Arab states, formation of Israel, and political-international developments in the Middle East since World War II. Not offered in 1970-71.

#### History 311. The Far East to the Nineteenth Century

The traditional social patterns, intellectual trends, and power relations in East Asia to the Nineteenth Century. Not offered in 1970-71.

## History 312. Modernization and Revolution in the Far East

Introduction of Western thought and technology to the Far East, reaction to westernization, rise of Communism, and recent international developments concerning the area. Not offered in 1970-71.

# History 313. Latin America to 1830

The historical evolution of Latin America from the coming of the Spaniards and Portuguese to the Colonial period and Wars of Independence.

## History 314. South America Since 1830

Political, cultural, and social progress of the people of South America during the Nineteenth and Twentieth Centuries.

# History 315. Mexico and Central America Since 1830

The development of Mexico and Central America during the Nineteenth and Twentieth Centuries.

## History 316. South Asia Before the Mongols

History of the Indian sub-continent and Ceylon to the beginning of the Mongol Empire. Not offered in 1970–71.

## History 317. Modern History of South Asia

History of the Indian sub-continent and Ceylon from 1500 to Partition. Not offered in 1970-71.

#### History 318. Studies in the Political History of the United States

Study of a selected period or topic in the political history of the United States. The period or topic to be studied each quarter will be announced prior to registration. This course may be repeated once for credit if subject covered is different in each case.

#### History 319. History of the Black Man in America

The experience and heritage of the Afro-American in the United States.

# History 320. The Mexican-American and the History of the United States

The experience and heritage of the Mexican-American in the United States.

## History 321. Social and Intellectual History of the United States to 1865

Development of the American people; leading values and ideas in a predominantly rural and agrarian society. Not offered in 1970-71.

# History 322. Social and Intellectual History of the United States Since 1865

Impact of industrialization and urbanization upon American society; leading ideas and values. Not offered in 1970-71.

## History 323. Economic History of the United States

The history of the economic development of the United States and its impact on social and political institutions. Not offered in 1970-71.

#### History 324. Westward Movement

Development of the West in the United States, movement of people and ideas from East to West; persistence and significance.

#### History 325. California

Discovery, exploration, and early settlement of California; founding of the missions; the Spanish, Mexican, American Periods; government, customs, habits, and influences of various people who have settled California.

## History 326. Kern County History

Study of Kern County History for its own sake and as a microcosm of Western United States history. Field work.

# History 327. Overseas Expansion of Europe to 1815

The development of European World hegemony from the Renaissance to the end of the Napoleonic Era. Not offered in 1970-71.

## History 328. Imperialism

The theories, movements, and structures used by the European powers in their relations with non-European peoples from 1815 to about 1960 and reactions to these situations. Not offered in 1970-71.

## History 401. Seminar in Ancient and Medieval History

Selected topics in the social, economic, political and legal history of the Ancient World and Medieval Europe (including Byzantium).

# History 402. Seminar in the History of Europe During the Renaissance and Reformation

Economic, political, religious and cultural change in Europe from about 1300 to 1648, including England. Not offered in 1970-71.

## History 403. Seminar in Modern European History

Readings and research in selected aspects of the economic, social and cultural history of modern Europe.

#### History 404. Seminar in Afro-Asian History

Readings and research in selected aspects of Afro-Asian history. Not offered in 1970-71.

#### History 410. Seminar in the History of the Americas

Selected topics in the history of north and south America. Not offered in 1970-71.

#### History 412. Seminar in American Intellectual History

Intensive study of selected areas in the flow of ideas in the United States since the Colonial period.

#### History 413. Seminar in State and Local History

Readings and research in selected aspects of the study and writing about state and local history, with particular attention to the use of auxiliary institutions and field trips to advance historical knowledge and skill. Not covered in 1970-71.

HISTORY 91

# History 452. Aspects of the Relationship Between Art, Literature, and History

The values and limitations in the presentation of history as a story. Not offered in 1970-71.

# History 453. Aspects of the Relationship Between History and Behavioral Sciences

Use of the quantitative method in History; the role of statistics and computers in the gathering and interpretation of historical data; interrelationship of History with the Behavioral Sciences. Not offered in 1970-71.

# History 454. Ideoolgy and History in Developing Nations

The use of History as an ideological rallying force in recent times. Not offered in 1970-71.

## History 455. Aspects of Scientific Thought

Selected areas in the aspects of scientific thought from antiquity to the present. Not offered 1970-71.

# History 457. History of Historical Writing

The development of History as a distinct discipline, and the themes and approaches used by historians to tell the story of the human race. Not offered in 1970-71.

#### History 477. Special Projects

Group investigation of a specific era or topic with individual research work, papers, and/or examinations as the instructor may require; consultation with instructor necessary prior to registration. Limited to one five hour credit course for any area or topic. Admission with consent of Department Chairman and Dean of Humanities.

## History 490. Senior Seminar

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of History to student's minor field of study. Prerequisite: Senior standing and consent of instructor.

#### History 499. Individual Roading

Admission with consent of Department Chairman and Dean of Humanities.

# PHILOSOPHY AND RELIGIOUS STUDIES DEPARTMENT

During its first years, the Department will offer a substantial program in Philosophy leading toward either a Major or a Minor, and a limited program in Religious Studies that can be used to constitute a Minor. Various courses offered under the auspices of the Department can also be taken either toward fulfillment of General Education requirements or as electives.

Minor Concentration in Philosophy: During 1970-71, a Minor concentration in Philosophy will be available to all students.

Major Concentration in Philosophy: During 1970-71, a Major concentration in Philosophy will be available to juniors and below.

Minor Concentration in Religious Studies: During 1970-71, a Minor concentration in Religious Studies will be available to juniors and below.

## **CONCENTRATION REQUIREMENTS**

## **Philosophy Major Requirements**

- A. Nine courses in the Department, including:
  - Lower division courses:

Philosophy 101. Introduction to Philosophy

Philosophy 102. Logic Philosophy 201. Ethics

2. Upper division courses:

Philosophy 302 or 303 (History of Philosophy) plus one course from Group A and one course from Group B.

Group A

Philosophy 306 (Advanced Logic)

Philosophy 307 (Theories of Knowledge)

Philosophy 309 (Philosophy of Language)

Group B

Philosophy 304. Aesthetics

Philosophy 305. Philosophy of Religion Philosophy 333. Political Philosophy

- 3. Two additional electives, which may be in Religious Studies, plus the Senior Seminar (Philosophy 490).
- B. An acceptable Minor in a related department (Religious Studies may not be used as a Minor by Philosophy majors)
- C. Foreign language: Third-term equivalent competency. Note: This requirement will be waived for any student who has begun his college work prior to the opening of C.S.C.B.

#### **Philosophy Minor Requirements**

Five courses, including Philosophy 101, 102, 201, 302 or 303, and one upper division course approved by the chairman of the department.

Students majoring in Philosophy must also meet the general requirements for a major within the School of Humanities as noted in the section entitled "General Requirements for a Major."

#### PHILOSOPHY COURSES

Note: Each course not otherwise described carries five quarter units of credit.

#### **Lower Division**

#### Philosophy 101. Introduction to Philosophy

What philosophy is and does, as disclosed by examining selections from classical, modern, and contemporary philosophers. Typical problems within major areas are studied: epistemology, metaphysics, etc. The effort is made, via a combined historical-topical approach, to show how philosophy is related to man's perennial problems and to the student's total curriculum.

#### Philosophy 102. Logic

The fundamentals of valid reasoning, both in philosophy and in discourse generally. Part One examines meaning, sign and symbol, validity vis-a-vis truth, and definition. Part Two studies deductive reasoning. Part Three presents induction and scientific method. This course satisfies one half of the Basic Subjects portion of the College's General Education requirement.

#### Philosophy 201. Ethics

A study of the nature of ethics and of ethical deliberation, and of the main types of ethical theory man has employed, both classical and contemporary. Stress is placed on the use of ethical action-guides in the process of ethical reasoning on individual and collective ethical issues.

## Philosophy 202. History of Philosophy I

A study of the development of Western philosophy from its Greek origins to the end of the Middle Ages. The course concentrates on Plato, his predecessors and successors.

#### **Upper Division**

#### Philosophy 303. History of Philosophy II

A study of philosophical movements from the Renaissance to the end of the nineteenth century. The course concentrates on Kant, on the empiricism and rationalism which preceded Kant and on the main post-Kantian developments.

# Philosophy 304. Aesthetics

An examination of the main problems of aesthetic creation, contemplation, and criticism, including an analysis of aesthetic experience and of the work of art. The course seeks to show the meaningful relations between philosophy of the arts and such parallel fields as painting-sculpture, psychology and sociology, speech, drama and literary criticism. Prerequisite: Philosophy 101 or equivalent.

## Philosophy 305. Philosophy of Religion

A study of both classical and contemporary problems of religion: the nature of religion, and of religious experience, God and contemporary views of the arguments for God's existence; faith vis-a-vis knowledge; the problem of evil in theism; the possibility of personal survival. Prerequisite: Philosophy 101 or equivalent. Not offered in 1970–71.

## Philosophy 306. Advanced Logic

Propositional calculus, lower functional calculus, logic of classes, functional calculus with identity and descriptions, axiomatic development of logic, theory of logical types, and philosophical concepts and problems related to logic. Prerequisite: Philosophy 102 or equivalent. Not offered in 1970-71.

# Philosophy 307. Theories of Knowledge

A study of the origins, nature and tests of knowledge as these have been expressed in classical and contemporary epistemologies. Problems of "knower" and "known" will be discussed in such a way as to relate specifically to the areas of the natural and social sciences, to aesthetics and religion. Prerequisite: Philosophy 101 or equivalent, or Philosophy 102.

# Philosophy 308. Contemporary Ethical Theory

Meta-ethical theories, concerned with the meaning and justification of ethical terminology; analyses of the concept of good, of obligation, of moral responsibility, and of praise or blame. Prerequisites: Philosophy 101 or equivalent, and Philosophy 201. Not offered in 1970-71.

## Philosophy 309. Philosophy of Language

The "revolution in philosophy" studied in the writings of leaders such as Austin, Wittgenstein, Ryle, Ayer, Quine in order to understand both the new methods of analysis and their application to the central problems of philosophy. Prerequisites: Philosophy 101, one History of Philosophy course, and preferably Philosophy 102 or 201.

## Philosophy 310. Existentialism

The various types of existentialist philosophies are examined in the writings of nineteenth century existentialists such as Kierkegaard, and Nietzsche, and present-day exponents, Heidegger, Jaspers, Sartre, Camus, Marcel, and Tillich. Prerequisites: Philosophy 101, one History of Philosophy course, and preferably Philosophy 102 or 201. Not offered in 1970-71.

## Philosophy 332. Philosophy of Science

A study of the methodology of inquiry in the natural and social sciences with focus on the nature of scientific explanation, including explanatory functions of scientific laws and theories, and analyses of such concepts as space, time, causality, measurement, error, prediction and verification. Prerequisite: Philosophy 101 or equivalent; and Philosophy 102. Some background in mathematics or natural science and/or psychology or sociology is recommended. Not offered in 1970-71.

# Philosophy 333. Political Philosophy

An analysis of the basic theories of the nature and role of social and political life. Historical positions such as those of Plato, Aristotle, Hobbes, Locke, Mill, Hegel, and Marx are examined to bring to light the concepts of "right", "equality", "justice", "obligation", "utility". Prerequisite: Philosophy 201 or one advanced course in political science. This course is identical to Political Science 333.

#### Philosophy 450. Metaphysics

A critical examination of certain classical attempts at creating world-views as represented in idealism, realism, and naturalism, etc., followed by a study of contemporary methods and problems in metaphysical thinking. Prerequisites: Philosophy 101, Philosophy 102, and Philosophy 305. Not offered in 1970-71.

# Philosophy 477. Special Studies in Philosophy

Topics to be offered will be announced prior to registration. Limited to one five hour credit course in any one area.

#### Philosophy 490. Senior Seminar

Consideration of the nature of the discipline. Integration of materials from other courses. Relation of History to student's minor field of study. Prerequisite: Senior major. Not offered in 1970-71.

#### Philosophy 499. Individual Study

Individual program with regular consultations and/or examinations as instructor may require. Admission with consent of Department Chairman and Dean of Humanities.

#### **RELIGIOUS STUDIES**

The program in Religious Studies will be designed to meet the interests of students who live in a pluralistic society and wish to study the role played by religion in the lives and cultures of men. As the program develops, it will include courses of three general types: those which explore the expression of religious concerns in literature and culture; those which examine the history and literature of particular religions, e. g. Judaism, Christianity, Buddhism, Islam; those which center on the psychological, sociological, historical, and related aspects of religious experience. The aim is to be not merely relevant, but substantial. Hence, the same analytical and critical capacities of philosophical study will be applied to the study of man's religions.

The limited concentration program and course offerings with which the work in Religious Studies will start are set forth below.

# **Religious Studies Minor Requirements**

Three courses are required for the minor in Religious Studies, including Religious Studies 477.

#### **RELIGIOUS STUDIES COURSES**

Note: Each course not otherwise described carries five quarter units of credit.

#### **Lower Division**

## Religious Studies 101. Introduction to Religion

An objective study of the nature and function of religion; its distinctive features and possible definition; ways of knowing in religion, and some of its basic themes, e.g., God, man, worship and prayer. Briefly examined are some of the psychological, sociological, political, and cultural ramifications of religions.

## Religious Studies 220. Living World Religions I. Western

A study of the history and literature of three Western religions, Judaism, Islam, and Christianity. The scriptures of each religion are examined, and an analysis is conducted of their main beliefs, moral stance, and the cultural patterns they have created.

#### Religious Studies 221. Living World Religions II. Eastern

A comparative study of Hinduism, Buddhism, and Taoism, to understand their central beliefs, and the ways of life which they have generated.

#### **Upper Division**

# Religious Studies 477. Special Studies in Religion

Topics to be offered will be announced prior to registration. May be taken more than once, but limited to one five hour credit course in any one area or topic.

# SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

The curriculum of the School of Natural Sciences and Mathematics rests on a conception of science as the study of the evolution of the environment, from particle to galaxy, from microbe to man. There are seen to be biological and physical components to the environment, and their study is reflected in the areas of biology and earth science. Both components have acted and reacted through time in accordance with the basic laws governing energy and matter, as studied in the areas of chemistry and physics. Mathematics provides the basis for understanding and expressing fundamental relationships and through statistical probability, for handling populations.

The first goal for faculty and students is to insure an awareness of the relevancy of science in the modern world and an understanding of the necessity of science for solving present day problems as well as anticipating those of the future. The curriculum which prepares students for responsible participation in this process, at whatever level from casual observer to involved worker, must reflect the evolution of the scientific process from observation, through experimentation, to the de-

velopment of models.

In view of the limited resources available to all institutions of higher education today, a second goal is to concentrate the resources of the School. In selecting specific areas of emphasis in which to excel, account must be taken of the total setting of the institution. "Nothing has marked recent history more than the increase in man's ability to change aspects of the natural world. It is . . . a moral obligation for the scientific establishment to devote itself in earnest to the study of ecosystems, both those of nature and those created by man . . . " (Dubos). This college is situated in an area where land use and population are changing rapidly and dramatically, in which wisdom in decision making based on a changing view, from conservation to ecology, is becoming heavily dependent on input of environmental information ranging from economic to scientific. Accordingly, the initial emphasis in each discipline is given to areas related to environmental interpretations and their implications for man's total health.

The School will seek to give breadth and depth to the meaning of the word environment, considering all of the conditions and forces that influence or modify the whole complex of climatic, edaphic and other physical factors as well as the biotic factors that act upon an organism or an ecological community and ultimately

determine its form and survival.

A third goal is to provide a broad, liberal arts-based program which meets modern criteria being established at the national level. A primary consideration is to establish course work which will provide continuity for the student coming out of the inquiry-oriented courses in mathematics and the sciences in the secondary schools. Instruction will reflect the influence of the "discovery" approach at all levels of the undergraduate curriculum. Flexibility of instructional programs will be stressed. Lecturing will be minimal, and will be supplemented by individual learning opportunities. Laboratories will be open-ended, and will consist not of exercises but of investigative experiments, in part selected and designed by the student. Course work will be laboratory and field oriented.

The curriculum in mathematics and in each area of the natural sciences is seen as a five-level spiral approach. The helix will consist of an introductory course and a basic unit of three courses at the lower division level, followed by a group of core courses at the junior level, a smaller group of optional courses in the one or two selected areas of emphasis at the senior level, capped by research participation and the senior seminar.

The program of this School reflects the desire of the new generation of students to learn for themselves, their greater maturity, and their disparate backgrounds. It places more responsibility for his own education on the student. At the same time,

it places the instructor in a position to devote more time to the individual student by meeting him, not in a group, but as an individual or as a team member, thus giving the student access to the instructor as a resource as well as a fellow member of the academic community.

# MAJOR REQUIREMENTS FOR STUDENTS IN THE SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

Majors are offered in these disciplines:

Biology—B.S. in June, 1973 Chemistry—B.S. in June, 1973 Earth Sciences—B.S. in June, 1972 Mathematics—B.S. in June, 1972 Nursing—B.S. in June, 1974 Physics—B.S. in June, 1973

Requirements for the B.S. degree are a minimum of eleven courses—fifty-five hours, in the major field of concentration (twelve courses, sixty hours, in Nursing). No minor is required.

- 1. The fifty-five hours will include both lower and upper division work.
- 2. The 100 course is recommended but not required.
- 3. The 200-level courses are required of all majors.
- 4. At least three 300-level courses are required of all majors.
- 5. At least three other upper division courses are required. (Up to three upper division courses outside the major discipline may be substituted with approval of the advisor; e.g., biology for earth science majors interested in paleontology, or chemistry for biology majors interested in biochemistry.)
- 6. Mathematics 201, BPA 210 (Computer Science), and either Mathematics 202 or 203. The mathematical competence produced by satisfaction of this requirement will be important for all students preparing for work in most fields of modern science, which is heavily quantitative. A student who has special interests may, however, petition to substitute for the mathematic courses third-quarter-equivalent competency in a foreign language.
  - Note: This requirement will be waived for any student who has begun his college work prior to the opening of California State College, Bakersfield.
- 7. Research participation and the Senior Seminar are required of all majors.
- 8. The summer field course is required for majors in biology or earth sciences.

#### MINOR REQUIREMENTS

Although no minors are required for the B.S. degree, certain minors are listed for use with the B.A. degree. (Others may be added on demand.)

Biology—any three upper division courses

Mathematics—any three upper division courses

Geography—any three of the following courses: Earth Sciences 305, 351, 352, 353, 403, 405, 406, or 451.

#### **GENERAL EDUCATION**

Science requirement: three courses from at least two departments of the School of Natural Sciences and Mathematics. Any course in the School (except Nursing) will satisfy this requirement, but the three courses must include at least one 100 course, which cannot be challenged by examination.

Basic subjects requirement: either Mathematics 102 or 202 may be used to satisfy one half the College's basic subjects requirement by students who do not count the course toward the General Education science requirement.

# NONDEPARTMENTAL COURSE IN NATURAL SCIENCE AND MATHEMATICS Honors 301. Honors and Science

A seminar in the current problems of science. For the mature, serious, and highly qualified student seeking understanding of the relation of his area of greatest interest to current problems. Prerequisites: junior standing; major status in mathematics or the sciences; invitation by the Dean of the School of Natural Sciences and Mathematics.

#### BIOLOGY DEPARTMENT

The Major in Biology will be available to students graduating in June, 1973 and thereafter. A Biology Minor will be available to students graduating in June, 1972.

#### CONCENTRATION REQUIREMENTS

## Requirements for the Major

Eleven courses in Biology, including the following (or equivalent):

A. Biology 201, 202, and 203

B. Three 300 level courses

C. Biology 480. Research Participation

Biology 495. Summer Field Course in Environmental Sciences

Biology 490. Senior Seminar

D. Two additional upper division courses.

Biology 100 is recommended.

#### Cognate areas:

Etther Mathematics 201 and 202 or 203 and BPA 210, Computer Science; or, by petition, third quarter equivalent competency in a foreign language and Mathematics 102

See also requirements listed for the School of Natural Sciences and Mathematics.

#### Requirements for the Minor

Three upper division courses.

#### COURSES

Note: All courses not otherwise described carry five quarter units of credit.

#### **Lower Division**

#### Biology 100. Perspectives in Biology

Modern biology in historical perspective; relevance of current biological concepts to society; field and laboratory investigation into existing and conceivable problems to illustrate the potential as well as the limitations of scientific inquiry. One lecture, two discussions, and two three-hour laboratories.

# Biology 201. Basic Principles of Organismic Biology

Individual organisms; ontogeny and function of structures and organ systems; adaptation; transmission genetics; field and laboratory investigation of plants and animals. Two lectures, one discussion, and two three-hour laboratories.

## Biology 202. Basic Principles of Cellular Biology

Organisms as products of genetic structures and energetics of their components; laboratory investigation of cellular structures and functions and of biochemical reactions in plants and animals. Two lectures, one discussion, and two three-hour laboratories. Prerequisites: Biology 201, Chemistry 201.

# Biology 203. Basic Principles of Environmental and Population Biology

Organisms as active components of their environment; energy pathways in living communities, biogeography, population dynamics, population genetics; evolution and probability in natural populations; development and structure of ecosystems; field and laboratory investigation of communities and other complexes of plants and animals in their physical and biological environments. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Biology 201. Prerequisite or concurrent: Mathematics 102.

BIOLOGY 99

## **Upper Division Core Courses**

## Biology 301. Concepts of Structural Biology

Comparative and functional anatomy and morphology of plants and animals at the organismic level, with emphasis on the relationship between internal structure and external environmental conditions. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Biology 201. Not offered in 1970-71.

## Biology 302. Concepts of Physiological Biology

Physiological functions in plants and animals at the organismic level. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Biology 201. Not offered in 1970-71.

## Biology 303. Concepts of Developmental Biology

Growth and development of plants and animals at the cellular and organismic levels. Field and laboratory investigation and presentation. One lecture, one discussion and three three-hour laboratories. Prerequisite or concurrent: Biology 301. Not offered in 1970-71.

## **Biology 304.** Concepts of Genetics

Physical and chemical bases of inheritance in plants and animals at the cellular, organismic, and population levels. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 202, 203. Not offered in 1970-71.

# Biology 305. Concepts of Evolution

Evolutionary trends in the plant and animal kingdoms, including both the role of population genetics in producing diversity and the effects of changing environments in directing natural selection; evidence from paleontology and embryology. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 201, or 203, or Earth Sciences 305.

#### Biology 306. Concepts of Ecology

Dynamics of natural populations, communities, and ecosystems; energy cycles; competitive and non-competitive relationships between species; development of quantitative environmental models, with emphasis on fresh water ecology. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 203, Mathematics 202.

#### **Upper Division Elective Courses**

#### **Biology 401.** Biostatistics

Probability models in biology; biometrics; investigations and presentations in such areas as clustering of organisms, population dynamics, or epidemiology and immunization. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Mathematics 202, Biology minor or major, Not offered in 1970-71.

## Biology 402. Biogeography and Paleoecology

Distribution of ecosystems in space and time; development of illustrative models. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 306, Earth Sciences 306, Mathematics 202. Not offered in 1970-71.

#### Biology 403. Conservation of Biological Resources

Preservation and use of living, renewable resources; development of model systems for optimal resource utilization. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 203, Mathematics 202.

# Biology 404. Behavioral Biology

Interspecific and intraspecific behavior in animals, including social hierarchies, territoriality and home range relationships, entrained behavior, courtship and reproductive behavior, communication, animal orientation, rhythmicity and biological clocks; analogies to regulatory mechanisms in plants. Field and laboratory investigation and presentation; development of model systems. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 202, 302, 306, Mathematics 202. Not offered in 1970–71.

## Biology 411. Cellular and Microbiology

Physiochemical organization and function in plants and animals at the ultrastructural, cellular and microbial levels; including cellular population phenomena in tissues cultures. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 202, Chemistry 203. Not offered in 1970–71.

# Biology 412. Biochemistry

Chemistry of cells as molecular systems; investigation and presentation in such areas as biosynthesis, biochemical transport, and metabolic energy transformation. Field and laboratory investigation and presentation. One lecture, one discussion, three three-hour laboratories. Prerequisite: Biology 411 or Chemistry 313. Not offered in 1970–71.

# Biology 413. Medical Biology

Studies of pathogenic plants and animals in relation to man; investigation and presentation in such areas as diagnostic biochemistry, bacteriology, parasitology, immunology, epidemiology, medical entomology or medical mycology. Field and laboratory investigation and presentation. One lecture, one discussion, three three-hour laboratories. Prerequisite: Chemistry, Biology, or Nursing major. Not offered in 1970-71.

## **Required Senior Major Courses**

# **Biology 480.** Research Participation

Individual study in scientific investigation, under supervision. (Experience as a research assistant does not count for credit.) Students preparing to teach may repeat once with emphasis on research in the areas of curriculum and materials development. Not offered in 1970-71.

# Biology 490. Senior Seminar

Presentation of papers and discussion, by faculty and students. Participants will be grouped by interdisciplinary interest. Prerequisite: Major or minor in biology. Not offered in 1970-71.

# Biology 495. Summer Field Course in Environmental Sciences

Credit will be given either in Earth Sciences or in Biology.

# CHEMISTRY DEPARTMENT

The Major in Chemistry will be available to students graduating in June, 1973 and thereafter.

## **CONCENTRATION REQUIREMENTS**

#### Requirements for the Major

Eleven courses in Chemistry, including the following (or equivalent):

- A. Chemistry 201, 202, and 203
- B. Three 300 level courses
- C. Chemistry 480. Research Participation Chemistry 490. Senior Seminar
- D. Three additional upper division courses in Chemistry

Chemistry 100 is recommended.

#### Cognate areas:

Either Mathematics 201 and 202 or 203 and BPA 210, Computer Science; or, by petition, third quarter equivalent competency in a foreign language and Mathematics 102.

See also requirements listed for the School of Natural Sciences and Mathematics.

#### COURSES

Note: All courses carry five quarter units of credit unless otherwise indicated.

## **Lower Division**

# Chemistry 100. Perspectives in Chemistry

Modern chemistry in historical perspective; relevance of current chemical concepts to society; field and laboratory investigation into existing and conceivable problems to illustrate the potential as well as the limitations of scientific inquiry. One lecture, two discussions, and two three-hour laboratories.

#### Chemistry 201. Basic Physical Principles of Chemistry

Introduction to atomic and molecular theory; physical principles basic to the properties of matter; laboratory investigation of qualitative and quantitative relationships. Two lectures, one discussion, and two three-hour laboratories. Prerequisite or concurrent: Mathematics 101.

#### Chemistry 202. Basic Principles of Chemical Bonds

Introduction to bonding theory; kinetics and dynamics of reaction mechanisms and equilibria; qualitative and quantitative laboratory investigation of reactions. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Chemistry 201.

## Chemistry 203. Basic Principles of Organic Chemistry

Introduction to the characterization of organic compounds and their relation to biological processes; properties of organic molecules; homologous series; qualitative and quantitative laboratory investigation of organic reaction mechanisms and the relation of structure to reactivity. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Chemistry 202.

## **Upper Division Core Courses**

#### Chemistry 301. Structural Chemistry

Theory of molecular structure; molecular spectroscopy; transition elements; dimensional analysis. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite or concurrent: Chemistry 203, Physics 201. Not offered in 1970-71.

## **Chemistry 302.** Chemical Thermodynamics

Structure and physical properties of matter. Laboratory investigation and presentation of properties based on statistical thermodynamics. One lecture, one discussion, three three-hour laboratories. Prerequisite: Chemistry 203; prerequisite or concurrent: Physics 202, Mathematics 202. Not offered in 1970-71.

#### **Chemistry 303.** Chemical Dynamics

Kinetics of reactions; liquids, solids and surface. Laboratory investigation and presentation of rates and mechanism of chemical changes. One lecture, one discussion, three three-hour laboratories. Prerequisite: Chemistry 203; prerequisite or concurrent: Physics 202, Mathematics 203. Not offered in 1970-71.

# Chemistry 311. Concepts of Organic Analysis

Spectroscopic and chromatographic separations of functional classes of organic compounds; introduction to spectrometry. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Chemistry 203. Not offered in 1970-71.

#### Chemistry 312. Concepts of Organic Structure

Fundamental structures of carbon compounds; phase equilibria; effects of equilibria on structure; geometrical and optical isomers; conformational analysis; melting points, separations, and extraction. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Chemistry 203. Not offered in 1970-71.

#### Chemistry 313. Concepts of Biochemical Analysis

Kinetics of enzyme systems; ion exchange behavior or amino acids; electrophoresis; introduction to radioisotopes in separations. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Chemistry 203. Not offered in 1970-71.

#### **Upper Division Elective Courses**

## Chemistry 401. Organic Synthesis

Mechanisms and synthetic utility of organic reactions. Laboratory investigation and presentation in the synthesis of organic compounds. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Chemistry 311. Not offered in 1970-71.

## Chemistry 402. Biological Chemistry

Structure and properties of proteins, nucleic and amino acids, and enzymes. Laboratory investigation and presentation in biosynthesis. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Chemistry 313. Not offered in 1970-71.

## Chemistry 411. Quantum Chemistry

Electronic properties of molecules, radicals and ions; energetics. Laboratory investigation and presentation of properties based on quantum mechanics. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Chemistry 301, Physics 311. Not offered in 1970-71.

## Chemistry 412. Biochemistry

Credit will be given either in biology or chemistry. Not offered in 1970-71.

## **Required Senior Courses**

# Chemistry 480. Research Participation

Individual study in scientific investigation, under supervision. (Experience as a research assistant does not count for credit.) Students preparing to teach may repeat once with emphasis on research in the areas of curriculum and materials development. Not offered in 1970-71.

#### Chemistry 490. Senior Seminar

Presentation of papers and discussion, by faculty and students. Participants will be grouped by interdisciplinary interests. Prerequisite: Declaration of, or course work equivalent to a major or minor in chemistry. Not offered in 1970-71.

## EARTH SCIENCES DEPARTMENT

The Major in Earth Sciences will be available to students graduating in June, 1972 and thereafter. A Geography Minor will be available in June, 1971 to students graduating as Majors in History or Sociology-Anthropology.

#### **CONCENTRATION REQUIREMENTS**

#### Requirements for the Major

Eleven courses in Earth Sciences, including the following (or equivalent):

- A. Earth Sciences 201, 202, and 203.
- B. Three 300 level courses
- C. Earth Sciences 480. Research Participation

Earth Sciences 495. Summer Field Course in Environmental Sciences Earth Sciences 490. Senior Seminar

D. Two additional upper division courses

Earth Sciences 100 is recommended.

# Cognate areas:

Either Mathematics 201 and 202 or 203 and BPA 210, Computer Science; or, by petition, third quarter equivalent competency in a foreign language and Mathematics 102.

See also requirements listed for the school of Natural Sciences and Mathematics.

#### Requirements for the Geography Minor

Three upper division courses, selected from 306, 351, 352, 353, 403, 405, 406, or 451.

#### COURSES

Note: Each course not otherwise described carries five quarter units of credit.

#### **Lower Division**

# Earth Sciences 100. Perspectives in the Earth Sciences

Modern earth sciences in historical perspective; relevance of current concepts in the earth sciences to society; field and laboratory investigation into existing and conceivable problems to illustrate the potential as well as the limitations of scientific inquiry. One lecture, two discussions, and two three-hour laboratories.

# Earth Sciences 201. Basic Principles of Geology and Physical Geography

Evolution of the earth as a planet, with emphasis on the geology of the crust; distribution of features and materials; field and laboratory investigation of physical processes and materials. Two lectures, one discussion, and two three-hour laboratories.

## Earth Sciences 202. Basic Principles of Hydrology and Meteorology

Evolution of the fluids and gases of the planet, with emphasis on streams and ground water; dynamic relationships of the atmosphere and the oceans; field and laboratory investigation of processes in surface and subsurface bodies of water, and the lower atmosphere. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Earth Sciences 201.

# Earth Sciences 203. Basic Principles of Environmental Science

Evolution of man's habitat at the interface of the solid, fluid and gaseous phases of the planet, with emphasis on the interaction of the biological and physical factors; energy-mass budget relationships in the natural and modified environment; soils and other natural resources; field and laboratory investigation of the processes of distribution and change. Two lectures, one discussion, and two threehour laboratories. Prerequisites: Earth Sciences 201 or 202.

## **Upper Division Core Courses**

## Earth Sciences 301. Concepts of Atmospheric Science

Origin of the atmosphere; meteorological phenomena; climatic and environmental change; ecological effects. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 201 and Earth Sciences 202.

#### Earth Sciences 302. Concepts of Oceanography

Origin of the oceans and ocean basins; geology of the sea floor; properties and dynamics of the oceans; marine ecology. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Earth Sciences 202 or Chemistry 202 or Biology 203.

# Earth Sciences 303. Concepts of Mineralogy and Petrology

Composition of the earth; origin of the materials of the earth's crust; transformation and transportation of solid earth materials; physical elements of the continental environment. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Chemistry 201 and Earth Sciences 201.

## Earth Sciences 304. Concepts of Sedimentation and Sedimentary Structures

Origin of the sedimentary cover on the earth's crust, with emphasis on transportation; structures in sedimentary rocks; physical and biological processes. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Earth Sciences 203, Mathematics 102 or 202.

## Earth Sciences 305. Concepts of Paleontology

Origin of life on the earth; interpretation of the fossil record; development and distribution of plants and animals through geologic time. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 201, Math 102. Not offered in 1970-71.

(Note: Courses in Evolution, Ecology, Biogeography and Paleocology are listed under Biology.)

# Earth Sciences 306. Concepts of Geomorphology

Origin of the topography of the continents, with emphasis on the recent evolution of the present environment. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Earth Sciences 201 or 202.

## **Upper Division Geography Courses**

## Earth Sciences 351. Concepts of Human Geography

Description, analysis, and synthesis of the relationships between social and natural factors in the environment; graphic methods of presentation. Three lectures, one discussion, and one laboratory. Prerequisite: Earth Sciences 203.

## Earth Sciences 352. Concepts of Spatial Geography

Description, analysis, and synthesis of the distribution of social and natural factors in the environment; regional case studies in areas of student interest (e.g., Latin America or Asia); development of statistical regional models. Three lectures, one discussion, and one laboratory. Prerequisite: Earth Sciences 203, Math 102.

## Earth Sciences 353. Concepts of Urban Geography

Analysis of the distribution, structure, patterns of land use and transportation, economic base, and other spatial aspects of urban phenomena; quantitative analysis and measurement. Three lectures, one discussion, and one laboratory. Prerequisites: Earth Sciences 203, Mathematics 102.

## Earth Sciences 405. Historical Geography

Influence of the environmental setting on the development of economic and cultural geographic regions; relation to physical and biological provinces; identification of energy and mass budget factors through development of inferential environmental models. Field and laboratory investigation and presentation. Three lectures, one discussion, and one three-hour laboratory. Prerequisites: Earth Sciences 351 or 352. Not offered in 1970–71.

## Earth Sciences 406. Systems Analysis in Economic Geography

Man's economic behavior as a result of his perception of the total environment; mathematical and statistical models in systems analysis of the environment with relation to control of spatial allocation of the total resources. Three lectures, one discussion, and one laboratory. Prerequisites: Mathematics 202, Earth Sciences 203, 352. Not offered in 1970-71.

# **Upper Division Elective Courses**

## Earth Sciences 401. History of the Earth

History of the dynamic behavior of the earth's crust, particularly as illustrated by the sedimentary record in the stratigraphic column, reflecting the interaction of the solid, liquid, and gaseous outer envelopes of the planet Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Earth Sciences 304. Not offered in 1970-71.

## Earth Sciences 403. Conservation of Physical Resources

Preservation and use of non-renewable natural resources; conflicts of land use; development of model systems. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Earth Sciences 304 or 305 and 351 or 352; Mathematics 202 or Mathematics 102. Not offered in 1970–71.

#### Earth Sciences 411. Geochemistry of Earth Materials

Chemistry, mineralogy, and petrology of the sulphide and silicate systems, with some emphasis on solid-state physics. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Earth Sciences 303 and Chemistry 302 or Physics 403. Not offered in 1970-71.

## Earth Sciences 421. Paleobiology

Sequences of fauna and flora in relation to the phylogeny of biologic structure; development of systematic organization of complex fossil groups. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology 301 and 305, and Earth Sciences 305. Not offered in 1970–71.

## Earth Sciences 431. Hydrology

Relationships of water in the hydrologic cycle from the oceans to the atmosphere, to the land, and back to the oceans again; quantitative aspects of evaporation, precipitation, runoff, infiltration, and subsurface percolation; development of mathernatical and statistical models. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Earth Sciences 202, Physics 201, Chemistry 202, Mathematics 202. Not offered in 1970-71.

# Earth Sciences 441. Geochemistry and Mechanics of Soils

Physical and chemical characteristics of soils; low temperature solution geochemistry; soil dynamics, compaction and permeability; development of mathematical and statistical models. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Chemistry, Physics 201, Mathematics 202. Not offered in 1970-71.

#### Earth Sciences 451. Advanced Environmental Earth Science

Quantitative analysis of the relationships between man and his natural habitat; changes in the physical factors of the environment; mechanisms for adjustment to change related to environmental health; case studies in topics such as air and water pollution, waste disposal, construction sites and earth movements, environmental hazards, contaminants and nutrients, medical geology, relation between geochemical provinces and human health and disease, and land use planning; development of model systems. Field and laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Biology, chemistry, or physics, depending on the topics to be pursued; Earth Sciences 203, Mathematics 202, BPA 210. Not offered in 1970–71.

#### **Required Senior Courses**

## Earth Sciences 480. Research Participation

Individual study in scientific investigation, under supervision. (Experience as a research assistant does not count for credit.) Students preparing to teach may repeat once with emphasis on research in the areas of curriculum and materials development. Not offered in 1970-71.

#### Earth Sciences 490. Senior Seminar

Presentation of papers and discussion, by faculty and students. Participants will be grouped by interdisciplinary interest. Prerequisite: Major or minor in earth sciences. Not offered in 1970-71.

# Earth Sciences 495. Summer Field Course in Environmental Sciences

Credit will be given either in Earth Sciences or in Biology.

#### MATHEMATICS DEPARTMENT

The Major in Mathematics will be available to students graduating in June, 1972 and thereafter. A Mathematics Minor will also be available to students graduating in June, 1972.

# CONCENTRATION REQUIREMENTS

# Requirements for the Major

Eleven courses in Mathematics, including the following (or equivalent):

A. Mathematics 201, 202, and 203

B. Three 300 level courses

C. Mathematics 480. Research Participation Mathematics 490. Senior Seminar

D. Three additional upper division courses

Mathematics 100 is recommended.

#### Cognate areas:

A. BPA 210, Computer Science

B. Either third quarter equivalent competency in a foreign language or, by petition, four quarters, including one upper division course in a related discipline.

See also requirements listed for the School of Natural Sciences and Mathematics.

#### Requirements for the Minor

Three upper division courses.

#### COURSES

Note: Each course carries five quarter units of credit unless described otherwise.

#### **Lower Division**

# Mathematics 100. Perspectives in Mathematics

Modern mathematics in historical perspective; relevance of current mathematical concepts to natural science, social science, and human society; investigation of problems related to topics in mathematics such as graph theory, set theory, number theory, mathematical logic, Monte Carlo method, four-tolor problem, or projective geometry. One lecture, two discussions, and two three-hour laboratories. Prerequisite: Two years of high school mathematics.

## Mathematics 101. Elementary Functions and Coordinate Geometry

Elementary functions, including polynomials, rational and algebraic functions, exponential, logarithmic and trigonometric functions; introduction to three dimensional analytic geometry; investigations into graphs of the functions and their applications. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Three years of high school algebra and geometry.

# Mathematics 102. Mathematical Inference and Computation

Elements of the statistical methods for inductive inference; computational application; investigation in a variety of areas comprising the study of special distributions and the related science of sampling, and including a treatment of confidence intervals and hypothesis testing. Two lectures, one discussion, and two two-hour laboratories. No prerequisite. This course may be used to satisfy a portion of either the Basic Subjects or the Science portion of the College's General Education requirement, but not both.

# Mathematics 103. Elementary Mathematics

Principles of elementary mathematics for elementary teachers. Numbers and operations, geometry, measurement, applications, sets, functions and graphs, logical thinking, and problem solving. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Two years of high school mathematics.

#### Mathematics 201. Basic Principles of Mathematical Analysis

Introduction to the techniques and applications of the calculus. Differentiation, integration, fundamental theorem of the calculus, continuity; investigation of applications to extreme value problems and analytic geometry. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 101 or equivalent.

#### Mathematics 202. Basic Principles of Probability and Statistics

Probability as a mathematical system; random variables; distributions; limit theorems; investigation of topics in statistical inference. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 201 or equivalent. This course may be used to satisfy a portion of either the Basic Subjects or the Science portion of the College's General Education requirement, but not both.

#### Mathematics 203. Introduction to Mathematical Analysis

A continuation of mathematical analysis. Logarithmic and exponential functions; sequences, series, Taylor polynomials, indeterminate forms, sequence of functions; convergence; investigation of applications. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 201.

#### **Upper Division Core Courses**

#### Mathematics 301. Concepts of Linear Algebra

Vector spaces, independence, basis, dot and cross products, linear transformations, matrices, determinants, canonical forms; investigation of applications to systems of linear equations and inequalities, quadratic forms, analytic geometry, with particular relevance to the biological and behavioral sciences. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 201.

#### Mathematics 302. Concepts of Differential Equations

Ordinary differential equations; systems of differential equations using the techniques of linear algebra. Series solutions, Picard's method, numerical methods; investigation of applications. Two lectures, one discussion, and two three-hour laboratories. Prerequisites: Mathematics 203, 301.

#### Mathematics 303. Concepts of Multivariate Calculus

A study of functions of several variables; partial differentiation, multiple integration, vector methods; vector fields, Theorums of Green and Stokes, introduction to partial differential equations; investigations in applications related to physical science and applied mathematics. Two lectures, one discussion, and two three-hour laboratories, Prerequisite: Mathematics 301.

#### Mathematics 304. Algebraic Structures

Groups, rings, fields, and advanced linear algebra; investigations in mathematics and computer science. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 301.

#### Mathematics 305. Numerical Analysis

Numerical integration and numerical solution of differential equations; numerical methods in linear algebra, matrix inversion, estimation of characteristic roots; error propagation and stability; investigations in computer science. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 301, BPA 201.

#### **Upper Division Elective Courses**

#### Mathematics 401. Statistical Theory and Inference

Estimation; decision theory and testing hypotheses; relationships in a set of random variables; linear models and design; investigation in sampling. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 202. Not offered in 1970-71.

#### NURSING DEPARTMENT

The Department of Nursing of California State College, Bakersfield will offer a program of study designed to meet the increasing needs for health services by professional nurses in hospitals, public health, schools, industries, home and community agencies, particularly at the instructor and consultant levels.

The curriculum will consist of a perspectives course and an introductory course, following basic science and general education courses at the lower division level; a common core of five upper division courses, using the age approach and the increasing complexity of need, and capped by a senior seminar, reflecting current

concepts in clinical nursing.

The introductory couses will include: a historical study and survey which places professional nursing, as it exists today, in perspective; a discussion of the relevance of professional nursing in modern society; a scientific approach to selected concepts as they relate to medical science and technology and to other related health fields, as well as observational experience.

The courses in the sciences and liberal arts are utilized as background on which

to build competence in professional nursing.

The goal of the department of nursing will be to prepare young men and women as professional nurse practitioners who can provide care to the sick and who can collaborate with other health disciplines in the prevention of disease and the promotion of good health practices to individuals, families, and communities.

This program will provide opportunities for the student to prepare himself/her-

self as an effective professional and as a responsible citizen.

The Major in Nursing will be available to students graduating in June, 1974 and thereafter.

#### **CONCENTRATION REQUIREMENTS**

#### Requirements for the Major

Twelve courses in Nursing, including the following (or equivalent):

A. Nursing 201

B. Nursing 301-302, 303-304, 305-306; 401-402, 403-404

C. Nursing 490. Senior Seminar Nursing 100 is recommended.

Cognate areas:

- A. Either Mathematics 202 or 203 and BPA 210. Computer Science; or Chemistry 201, 202, 203 and Mathematics 102; or third quarter equivalent competency in a foreign language and Mathematics 102.
- B. Nursing 253. Nutrition
- C. Biology 201, 202, 301, 302.
- D. Biology 303, 304, or 413

Qualified graduates of accredited diploma or associate degree R.N. programs may apply for admission as transfer students. Such students are encouraged to challenge required courses by examination or seek credit for previous work, including either part of the dual courses such as 301-302.

The following courses are open to non-majors:

Nursing 100, 301, 303, 305, 401, 403.

See also requirements listed for the School of Natural Sciences and Mathematics. (Research participation is waived.)

#### Mathematics 402. Analytic Probability Theory and Stochastic Processes

Random variables and distributions; sequences of random variables; Markov chains; stochastic processes; investigation in design of experiments. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 401. Not offered in 1970-71.

#### **Mathematics 403.** Applied Mathematics

Principles and basic styles of thought in solution of physical problems by mathematical methods; investigation in model design and use. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 302, 305. Not offered in 1970-71.

#### Mathematics 411. Introduction to the Theory of Real Variables

A thorough investigation into the concepts, techniques, and applications of functions of real variables. Metric spaces, convergence, infinite series of functions, theory of integration, functions defined by integrals, differentials, the implicit function theorem; individual investigations. Two lectures, one discussion, and two three-hour laboratories, Prerequisite: Mathematics 303. Not offered in 1970-71.

#### Mathematics 412. Introduction to Complex Analysis

Complex numbers, elementary complex valued functions, differentiation, integration, Cauchey's theorem, integral formula series, analytic functions, and Fourier series; individual investigations. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Mathematics 303. Not offered in 1970-71.

#### **Required Senior Courses**

#### Mathematics 480. Research Participation

Individual study in mathematical investigation, under supervision. (Experience as a research assistant does not count for credit.) Students preparing to teach may repeat once with emphasis on research in areas of curriculum and materials development. Not offered in 1970-71.

#### Mathematics 490. Senior Seminar

Presentation of papers and discussion, by faculty and students. Participants will be grouped by interdisciplinary interests. Prerequisite: Major or minor in mathematics. Not offered in 1970-71.

nursing 111

#### COURSES

Note: Each course carries five quarter units of credit unless described otherwise.

#### **Lower Division**

#### Nursing 100. Perspectives in Nursing

Examination of nursing as a profession from historical and current viewpoints, Analysis of the influences of medical science and technology, social, political, economic, and religious forces on the development of nursing practice and education. One lecture, two discussions, and six hours field experience.

#### Nursing 201. Basic Principles of Professional Nursing

Planning and development of nursing action involved in meeting common needs of many patients, regardless of setting or diagnosis. Two lectures, one discussion, and six hours field experience. Not offered in 1970–71.

#### Nursing 253. Basic Principles of Nutrition

Basic concepts of nutrition related to health problems in growth and development; diet therapy. Two lectures, one discussion, and two three-hour laboratories. Prerequisite: Chemistry 201. Not offered in 1970-71.

#### **Upper Division Core Courses**

#### Nursing 301. Health Problems of Children from Birth to Puberty

Major health problems of children from birth to puberty to include prevention of illness, promotion of health, therapeutic and rehabilitative nursing care. Two lectures, two discussions, three hours field experience. Not offered in 1970-71.

#### Nursing 302. Health Care of Young Children

Clinical experience in the nursing care of children from birth to puberty. Fifteen hours field experience. Prerequisite: Nursing 201; prerequisite or concurrent: Nursing 301. Not offered in 1970-71.

#### Nursing 303. Health Problems of Puberty and Adolescence

Major health problems of puberty and adolescence, including prevention, supportive, therapeutic and rehabilitative nursing care. Two lectures, two discussions, and three hours field experience. Not offered in 1970-71.

#### Nursing 304. Health Care of Adolescents

Clinical experience in the nursing care of children from puberty through adolescence. Fifteen hours field experience. Prerequisite: Nursing 201; prerequisite or concurrent: Nursing 303. Not offered in 1970-71.

#### Nursing 305. Health Problems of Young Adults

Major health problems of young adults, including prevention and supportive, therapeutic, and rehabilitative nursing care. Two lectures, two discussions, and three hours field experience. Not offered in 1970-71.

#### Nursing 306. Health Care of Young Adults

Clinical experience in the nursing care of young adults. Fifteen hours field experience. Prerequisite: Nursing 201; prerequisite or concurrent: Nursing 305. Not offered in 1970-71.

#### Nursing 401. Health Problems of Adults

Major health problems of adults including prevention and supportive, therapeutic and rehabilitative nursing care. Two lectures, two discussions, and three hours field experience. Not offered in 1970-71.

#### Nursing 402. Health Care of Adults

Clinical experience in the nursing care of adults. Fifteen hours field experience. Prerequisite: Nursing 201; prerequisite or parallel: Nursing 401. Not offered in 1970-71.

#### Nursing 403. Health Problems of the Aging Population

Major health problems of the aging including prevention of illness, promotion of health, therapeutic and rehabilitative nursing care. Two lectures, two discussions, and three hours field experience. Not offered in 1970-71.

#### Nursing 404. Health Care of the Aging

Clinical experience in the nursing care of the aging. Fifteen hours field experience. Prerequisite: Nursing 201; prerequisite or parallel: Nursing 403. Not offered in 1970-71.

#### Nursing 490. Seminar—Advanced Clinical Nursing

Advanced field work in clinical nursing of student's choice. Study of problems common to all areas, team nursing, supervision, teaching of patients and families, ward management. One lecture, one discussion, and nine hours field experience. Prerequisite: Major in Nursing. Not offered in 1970-71.

PHYSICS 113

#### PHYSICS DEPARTMENT

The Major in Physics will be available to students graduating in June, 1973 and thereafter.

#### CONCENTRATION REQUIREMENTS

#### Requirements for the Major

Eleven courses in Physics, including the following (or equivalent):

A. Physics 201, 202, and 203

B. Three 300 level courses

C. Physics 480. Research Participation Physics 490. Senior Seminar

D. Three additional upper division courses in Physics

Physics 100 is recommended.

#### Cognate areas:

Either Mathematics 201 and 202 or 203 and BPA 210, Computer Science; or, by petition, third quarter equivalent competency in a foreign language and Mathematics 102.

See also requirements listed for the School of Natural Sciences and Mathematics.

#### COURSES

Note: Each course not otherwise described carries five quarter units of credit.

#### **Lower Division**

#### Physics 100. Perspectives in Physics

Modern physics in historical perspective; relevance of current physical concepts to society; field and laboratory investigation into existing and conceivable problems to illustrate the potential as well as the limitations of scientific inquiry. One lecture, two discussions, and two three-hour laboratories.

#### Physics 201. Basic Principles of Newtonian Physics

Newtonian mechanics and optics; relationships to contemporary physics; field and laboratory investigations with emphasis on physical measurement of optical phenomena and motion. Two lectures, one discussion, and two three-hour laboratories. Prerequisite or concurrent: Mathematics 101.

#### Physics 202. Basic Principles of Maxwellian Physics

Maxwellian electromagnetics; relationships to contemporary physics; field and laboratory investigations in electricity, electronics and magnetism, including the application of heat. Two lectures, one discussion, and two three-hour laboratories. Prerequisite or concurrent: Mathematics 201.

#### Physics 203. Basic Principles of Contemporary Physics

Modern physics; principles of relativity in quantum phenomena and the structure of matter. Observation and investigation related to atomic and molecular structure. Two lectures, one discussion, and two three-hour laboratories. Prerequisites: Mathematics 201, Physics 201 and 202.

#### **Upper Division Core Courses**

#### Physics 301. Concepts of Force Fields and Potential

Basic laws pertaining to fields, forces, potential, and potential energy in gravitation, electromagnetism, and fluid mechanics. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 203, Mathematics 203. Not offered in 1970-71.

#### Physics 302. Concepts of Oscillations and Waves

Basic laws pertaining to harmonic, damped, and forced oscillations in vibrating systems. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 203, Mathematics 203. Not offered in 1970-71.

#### Physics 303. Concepts of Radiation and Spectra

Basic laws pertaining to the propagation and transmission of radiation in the electromagnetic spectrum; electromagnetic theory. Laboratory investigation and presentation. One lecture, one dicsussion, and three three-hour laboratories. Prerequisites: Physics 203, Mathematics 203. Not offered in 1970-71.

#### Physics 307. Concepts of Physical Systems

Electronics systems; development of models. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 203, Mathematics 203. Not offered in 1970-71.

#### Physics 311. Concepts of Atomic and Molecular Physics

Quantum phenomena in statistical mechanics and electricity. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 203, Mathematics 203. Not offered in 1970-71.

#### Physics 312. Concepts of Nuclear Physics

Experimental phenomena of elementary particles in relation to nuclear models. Observation, investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 203, Mathematics 203. Not offered in 1970-71.

#### **Upper Division Elective Courses**

#### Physics 401. Linear Systems

Mechanical-electrical systems; development of models. Laboratory investigation and presentation. One lecture, one discussion and three three-hour laboratories. Prerequisite: Physics 307. Not offered in 1970-71.

#### Physics 402. Statistical Physics

Macro phenomena as a result of average of micro phenomena; statistical mechanics, quantum probabilities; development of models. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisites: Physics 311, Chemistry 312. Not offered in 1970-71.

#### Physics 403. Solid State Physics

Macroscopic phenomena related to the properties of crystalline matter. Laboratory investigation and presentation. One lecture, one discussion, and three three-hour laboratories. Prerequisite: Physics 307. Not offered in 1970-71.

#### **Required Senior Courses**

#### Physics 480. Research Participation

Individual study in scientific investigation, under supervision. Experience as a research assistant does not count for credit. Students preparing to teach may repeat once with emphasis on research in the areas of curriculum and materials development. Not offered in 1970–71.

#### Physics 490. Senior Seminar

Presentation of papers and discussion, by faculty and students. Participants will be grouped by interdisciplinary interest. Prerequisite: Major or minor in physics. Not offered in 1970-71.

### **INDEX**

Academic advisement, 29, 33	Course numbering system, 42
Academic calendar, 5	Credit by examination, 46 Credit by individual study, 47
Academic information, 33	Credit by individual study, 47
Academic offerings, 34 Academic villages, 33	Credit for extension courses, 43 Credit for military service, 23, 43
Academic villages, 33	Credit for military service, 23, 43
Accounting, 66, 67, 68	Credit from non-accredited colleges, 43
Activities, 28	Declaration or change of major or minor 10
Adding courses, 25 Administration of the College, 9	Declaration os change of major or minor, 19 Degree and credential programs, 34, 35, 70
Admission, College, 18	Disqualification, 44
auditors, 22	Division of Business and Public
cancellation, 24	Administration, 66
declaration of major, 19	Division of Education, 70
foreign students, 20	Dropping course, 25
freshmen, 19	Forth seigness 102
graduate study, 21 high school preparation, 19	Earth sciences, 103 Economics, 52
how to apply, 18	Education, 70
kinds of entry, 18	Education, general, 34
non-residents, 19	Education, general, 34 Educational assistance program, 29
part-time students, 21	Educational opportunity grant, 30
summer session, 21	Educational placement, 31
teacher education curriculums, 21	Electives, 37
transfers, 20	Elementary education, 70
veterans, 21	Emergency loans, 30
when to apply, 18 who must apply, 18	Employment, part-time placement, 30 English, 74
Admission counseling, 24	Enrollment, class, 25
Admission examination, 22	Entrance examinations, 22
Admission procedure, 18	Ethnic studies, 48
Admission requirements, 19	Evaluation and acceptance of credit, 43
Advanced placement and credit, 46	Expenses, 24, 26
Advanced standing, 18	Extension and summer session, 21, 24, 45
Advisor, 29, 33 Advisory Board, College, 9	Free and referred 26
Advisory Board, College, 9	Fees and refunds, 26
Afro-American studies, 48 American institutions requirement, 37	application, 23 out-of-state, 26
Anthropology, 62	Fifth year credential work, 70
Application fee, 23	Financial aids, 30
Applicants with courses in progress, 23	Fine arts, 78
Application for graduation, 47	Foreign languages, 83 Foreign students, 20, 29
Area studies, 48 Art, 79	Foreign students, 20, 29
Art, 79	rormer students, 20
Asian studies, 49	Foundation, 17
Attendance of classes, 42	French, 83
Bachelor of Arts degree requirements, 35	General education, 34
Bachelor of Science degree requirements, 35	General information, 11
Basic subjects requirements, 34	General requirements for degrees, 33, 39
Behavioral sciences, 50	Geography, 103 Geology, 103 German, 84
Bookstore, 17	Geology, 103
Business administration, 66	German, 84
Business and professional placement, 30	Grading system, 40
Colombon 4 5	Graduate programs, 35, 70 Graduates of high schools in a
Calendar, 4, 5 California high school graduates and	foreign country, 20
residents, 19	Graduation students, 21
California State Callege 8	Graduation requirements, 35, 37, 47
Campus visits, 24	Grants, 30
Chancellor's office, 7	Guaranteed loans, 30
Change of address, 25	** ** * * * * * * * * * * * * * * * * *
Campus visits, 24 Chancellor's office, 7 Change of address, 25 Change of degree objective, 39 Change of official program, 25, 40	Health and accident insurance, 31
Change of official program, 25, 40	Health examinations, 23, 31
Chemistry, 101	Health service, 31 High school preparation, 19
College Level Examination Program, 46 College student loan fund, 30	High school students, 20
College-wide academic programs, 48	History, 87
Computer science, 67, 68	Honors, 47, 48
Concentration requirements, 35	Honors programs, 47
Costs, 24, 26	Housing, 28 Humanities, 73
Counseling and testing, 29	Humanities, 73

#### **INDEX**—Continued

Incomplete grade, 40	
Individual study courses, 37	
Insurance, health and accidents,	31
International programs, 38	
Intra-System transfer, 22	
Introduction to the College, 11	
madademon to the comege, 11	

Latin-American studies, 49 Library, 17 Linguistics, 76, 77, 84, 85 Linguistics, 76, 77, 84, 85 Load regulations, 42 Loan funds, 30

Majors, 36
Master's programs, 35
Mathematics, 96, 107
Maximum loads, 42
Mexican-American studies, 49
Minors, 36
Music, 81

National Defense Student Loans, 30
Natural sciences and mathematics, 96
Non-high school graduates, 20
Non-resident graduating from high schools in
other states or possessions, 19
Non-resident students, 19, 21
Nursing, 110

Orientation, 31 Other applicants, 20 Other sources of student aid, 30

Part-time and summer employment, 31
Pass—no credit, 40, 41
Philosophy, 92
Physical education, 71
Physics, 113
Placement services, 31
Political science, 55
Postbaccalaureate credit, 46
Pre-professional programs, 37
Probation, 44
Professional education curriculums, 70
Program changes, 25
Programs leading to teaching credentials, 70
Program load regulation, 42
Psychology, 59
Public administration, 66

#### Quarter system, 13

Readmission of disqualified students, 18
Refund regulations, 27
Registration, 25
change, 25
late, 25
Religious studies, 92, 95
Repeating courses, 42
Residence halls, 28
Residence requirements, 39
Residence, statement of, 23

Schedule of classes, 42 Scholarship index, 40 degree candidate, 39 transfer students, 20 Scholarship standards, 44 disqualification, 44 good standing, 44 probation, 44 reinstatement after disqualification, 45 Schol of Behavioral Sciences, 50 School of Humanities, 73 School of Natural Sciences and Mathematics, 96
Secondary education, 71
Second bachelor's degree, 39
Selective service, 31
Service service, 31 Senior seminars, 35 Sociology, 62 Sophomore general education seminar, 34, 48 Spanish, 85 Speech, 75 Statement of residence, 23 Student activities, 28 Student body fees, 26, 27 Student classifications, 41 Student conduct and responsibility, 32, 45 Student employment, 31 Student financial aids, 29 Student health, 23, 31 Student loan funds, 30 Student organizations, 28 Student personnel services, 28 Students formerly enrolled, 20 Students seeking enrollment for fewer than 7 units, 21, 42 Students seeking summer session or extension enrollment, 21, 45 Summary of expenses, 24 Summer enrollment at other institutions, 43 Summer session and extension, 45

Table of Contents, 3
Teacher credential programs,
admission to, 21, 70
Teacher placement, 30
Testing service, 29
Three-course, three-term plan, 13
Transcripts, 23, 47
Transcripts required, 23
Transfer of credit from a junior college, 43
Transfer, undergraduate, 20, 43
Trustees of the California State Colleges, 6

Undergraduate standing, admission to, 19 Units of credit, 41

Veterans, 21, 23, 31, 43

Waivers of non-resident fees, 27 When to apply, 18 Who need apply, 18 Withdrawal: from College, 44 from courses, 25, 40 Work-Study Program, 30



Nonprofit Organization
U.S. POSTAGE
PAID
BAKERSFIELD, CALIF.
PERMIT NO. 565