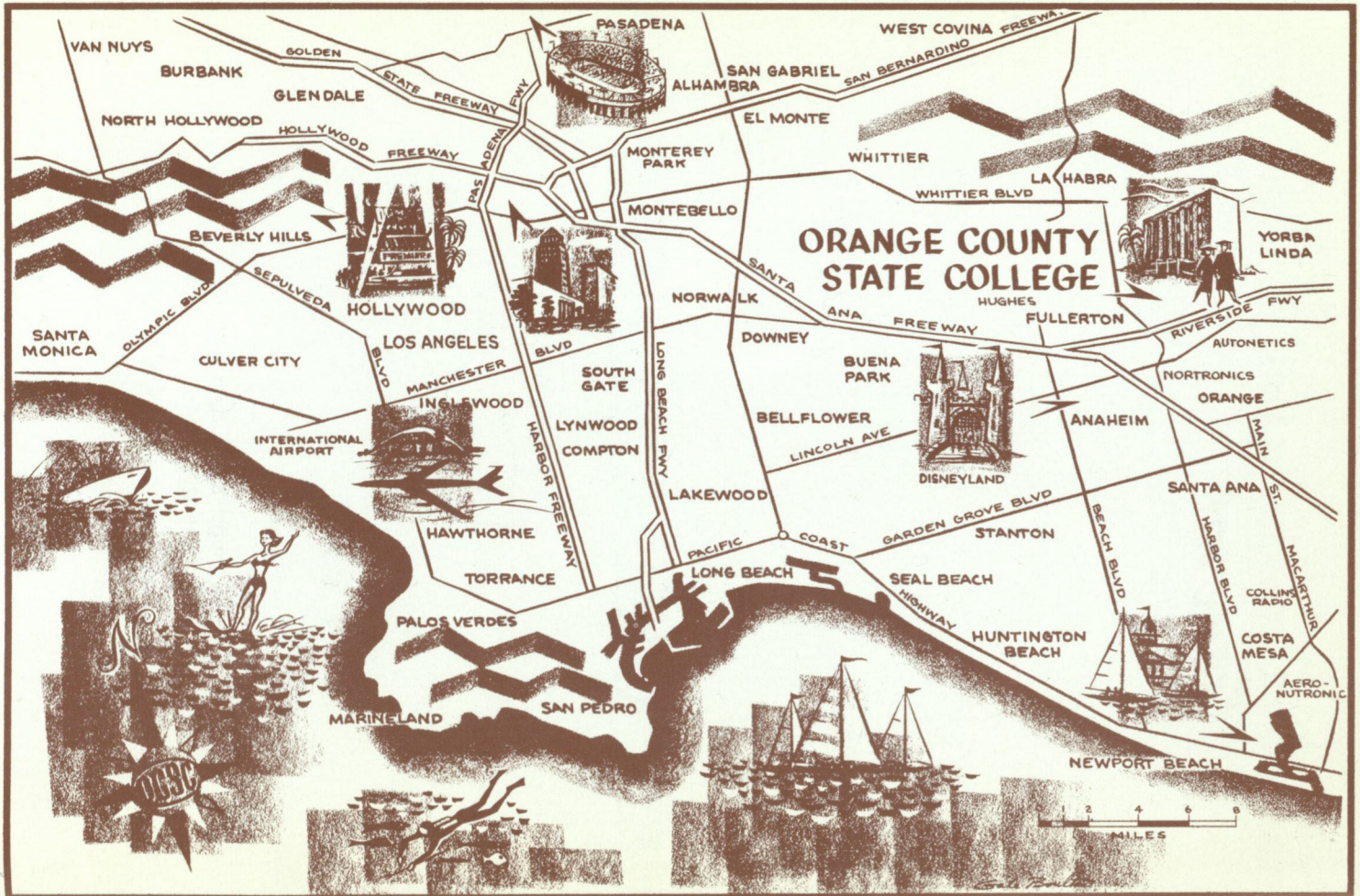
ORANGE COUNTY STATE COLLEGE



CATALOG 1962 1963

California State University, Fullerton
University Archives


ORANGE COUNTY
STATE COLLEGE
PASADENA
WEST COVINA FREEWAY
VAN NUYS
GOLDEN
STATE FREEWAY
BURBANK
GLENDALE
NORTH HOLLYWOOD
HOLLYWOOD FREEWAY
SAN GABRIEL
ALHAMBRA
SAN BERNARDINO
EL MONTE
PASADENA FWY
MONTEREY PARK
WHITTIER
LA HABRA
WHITTIER BLVD
MONTEBELLO
BEVERLY HILLS
SEPULVEDA
OLYMPIC BLVD
HOLLYWOOD
SANTA MONICA
CULVER CITY
LOS ANGELES
BLVD
MANCHESTER
INGLEWOOD
INTERNATIONAL AIRPORT
SOUTH GATE
LYNWOOD
COMPTON
HARBOR FREEWAY
LONG BEACH FWY
NORWALK
SANTA ANA FREEWAY
HUGHES
FULLERTON
DOWNEY
BUENA PARK
BELLFLOWER
LINCOLN AVE
DISNEYLAND
ANAHEIM
YORBA LINDA
RIVERSIDE FWY
AUTONETICS
NORTRONICS
ORANGE
MAIN ST.
SANTA ANA
LAKEWOOD
GARDEN GROVE BLVD
STANTON
BEACH BLVD
HARBOR BLVD
COLLINS RADIO
MACARTHUR
COSTA MESA
AERO-NUTRONIC
HAWTHORNE
TORRANCE
PACIFIC COAST HIGHWAY
LONG BEACH
SEAL BEACH
HUNTINGTON BEACH
PALOS VERDES
MARINELAND
SAN PEDRO
NEWPORT BEACH
MILES

General Catalog

1962-1963

ORANGE COUNTY



STATE COLLEGE

800 North State College Boulevard, Fullerton, California
(formerly Cypress Avenue)

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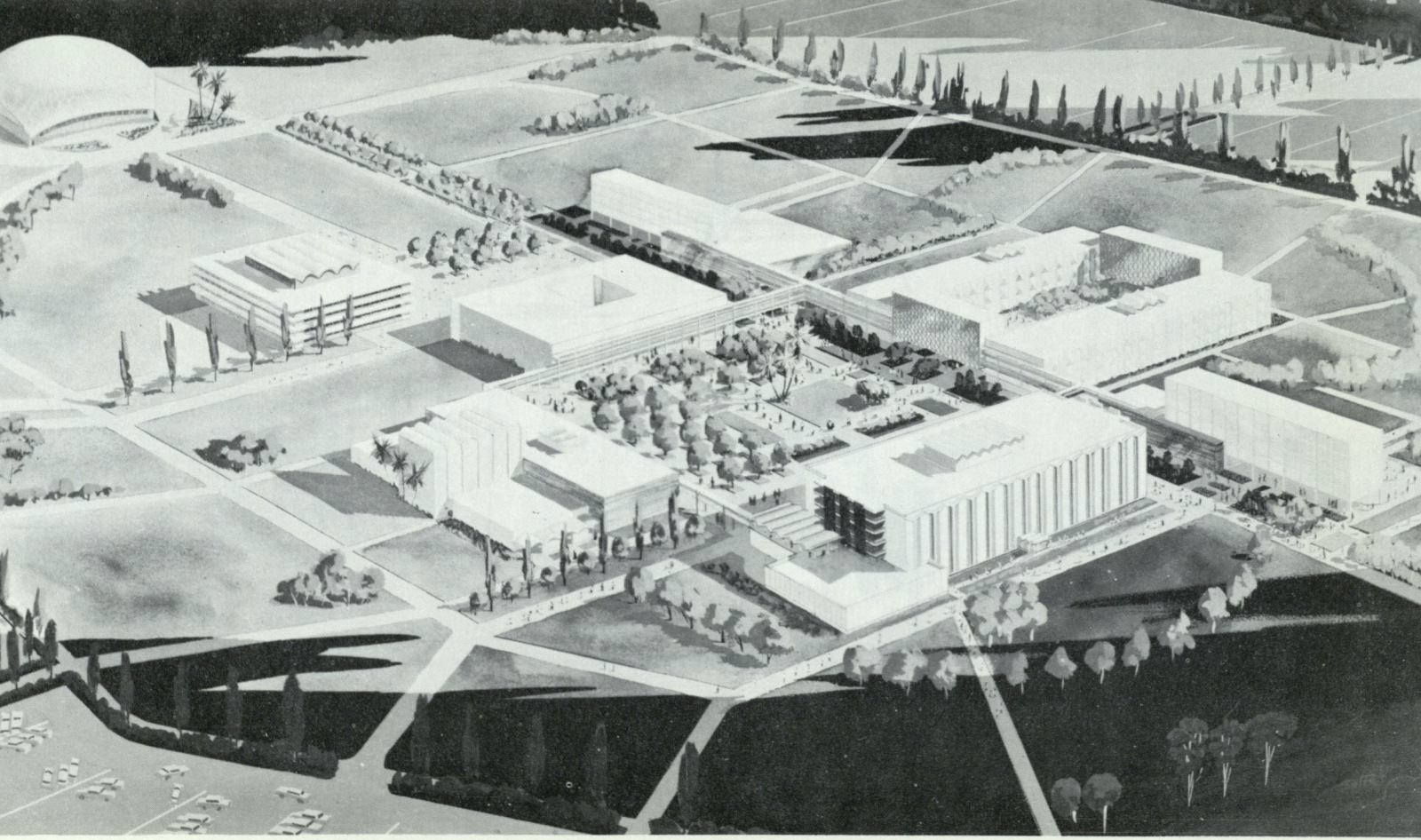
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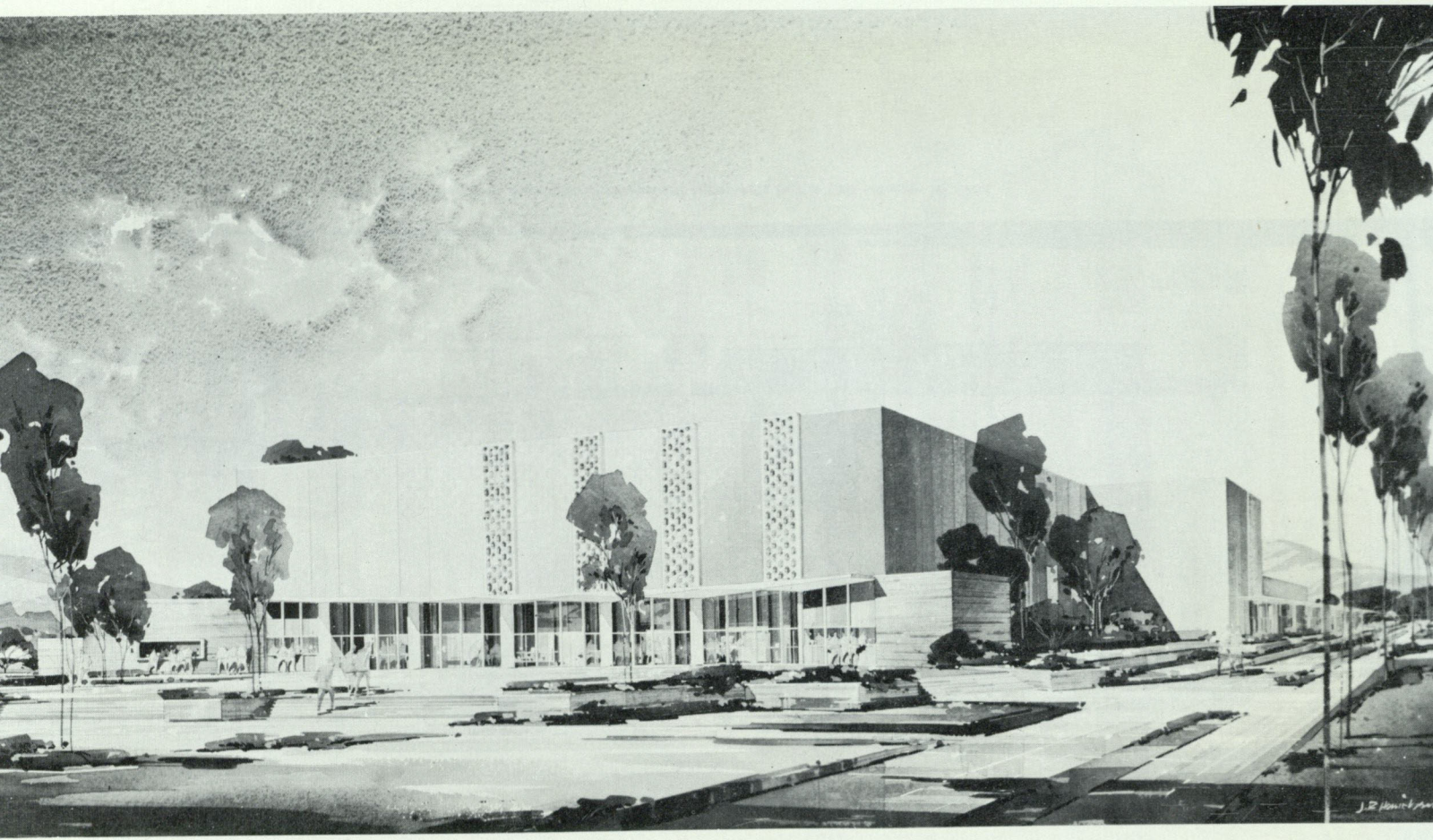
Future campus of Orange County State College as it will appear, with modifications, in approximately 1975-1980.



Science and Classroom Building, scheduled for occupancy in the Fall Semester of 1963, will house the entire College until the next permanent buildings are completed.



Music-Speech-Drama Building, scheduled for occupancy in the Fall semester of 1964.



Gymnasium, scheduled for occupancy in the Fall semester of 1965.

CALENDAR: 1962-63

SUMMER SESSION 1962

June	18, Mon.	Summer Session Begins
July	4, Wed.	Independence Day (holiday)
July	27, Fri.	Summer Session Ends

FALL SESSION 1962

August	15, Wed.	Application for admission and transcripts due in Admissions Office
September	6-7, Thurs.-Fri.	California State Colleges Board of Trustees Meeting
September	10, Mon.	College faculty orientation
September	11, Tues.	Faculty Advisement meeting
September	11-13, Tues.-Thurs.	Registration for all classes
September	13, Thurs.	Last day to register without late registration fees
September	14, Fri.	College faculty meetings
September	17, Mon.	Classes begin
September	21, Fri.	Last day to register or add classes
October	26, Fri.	Last day to drop a course with automatic "W"
November	12, Mon.	Veterans' Day (holiday)
November	22-23, Thurs.-Fri.	Thanksgiving Vacation
December	17, Mon.	Christmas Vacation begins
January	2, Wed.	Classes resume
January	17, Thurs.	Classes end
January	18-19, Fri.-Sat.	Semester examinations
January	21-24, Mon.-Thurs.	

SPRING SESSION 1963

January	15, Tues.	Application for admission and transcripts due in Admissions Office
January	30-31, Wed.-Thurs.	Registration for all classes
January	31, Thurs.	Last day to register without late registration fees
February	4, Mon.	Classes begin
February	8, Fri.	Last day to register or add classes
February	12, Tues.	Lincoln's Birthday (holiday)
February	22, Fri.	Washington's Birthday (holiday)
March	15, Fri.	Last day to drop a course with automatic "W"
April	8, Mon.	Spring vacation begins
April	15, Mon.	Classes resume
May	10, Fri.	Day of the Titan (not a holiday)
May	29, Wed.	Classes end
May	30, Thurs.	Memorial Day (holiday)
May 31-June	1, Fri.-Sat.	Semester examinations
June	3-6, Mon.-Thurs.	
June	9, Sun.	Commencement

SUMMER SESSION 1963

June	17, Mon.	Summer Session begins
July	4, Thurs.	Independence Day (holiday)
July	26, Fri.	Summer Session ends

CALIFORNIA STATE COLLEGES

TRUSTEES OF THE CALIFORNIA STATE COLLEGES

TRUSTEES

Governor Edmund G. Brown	Sacramento
Lieutenant Governor Glenn M. Anderson	Sacramento
Jesse M. Unruh, Speaker of the Assembly	Sacramento
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———, Chancellor	———
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Herman H. Ridder	Long Beach
Albert J. Ruffo	San Jose
Paul Spencer	San Dimas
Allen J. Sutherland	San Diego

OFFICE OF THE CHANCELLOR

———	Chancellor
Don B. Leiffer	Vice-Chancellor
Glenn S. Dumke	Vice-Chancellor, Academic Affairs
John F. Richardson	Vice-Chancellor, Business Affairs

COLLEGE ADMINISTRATION

EXECUTIVE

President	William B. Langsdorf
Executive Dean	Stuart F. McComb
Building Coordinator	Milton C. Blanchard
Publications Manager and Administrative Assistant to the President	Raynolds Johnson

INSTRUCTION

Dean of Instruction	Bernard L. Hyink
Dean of Educational Services and Summer Session	Gerhard E. Ehmann
Business Administration and Economics Division, Chairman	Theodore H. Smith

Education and Psychology Division, Chairman	Kenneth R. Doane
Elementary Education Coordinator	Barbara A. Hartsig
Secondary Education Coordinator	Edwin R. Carr
Fine and Applied Arts Division, Chairman	John W. Olsen
Art Department, Chairman	John W. Olsen
Music Department, Chairman	Joseph W. Landon
Speech and Drama Department, Chairman	Seth A. Fessenden
Humanities Division, Chairman	Gerhard G. Friedrich
English Department, Chairman	Gerhard G. Friedrich
Foreign Languages and Literatures Department, Chairman	Gustave Mathieu
Journalism Department, Chairman	J. William Maxwell
Philosophy Department, Chairman	William H. Alamshah
Science and Mathematics Division, Chairman	Miles D. McCarthy
Biological Science Department, Chairman	Miles D. McCarthy
Chemistry Department, Chairman	John H. Bryden
Mathematics Department, Chairman	Dennis B. Ames
Physics Department, Chairman	Raymond V. Adams
Social Sciences Division, Chairman	Giles T. Brown
Geography Department, Acting Chairman	Arthur D. Earick
History Department, Chairman	Giles T. Brown
Political Science Department, Chairman	John Brown Mason
College Librarian	Ernest W. Toy, Jr.
Audio-Visual Services Coordinator	Raymond E. Denno

STUDENT PERSONNEL SERVICES

Dean of Students	Ernest A. Becker
Associate Dean of Students, Activities	Ludwig J. Spolyar
Associate Dean of Students, Admissions and Records	Emmett T. Long
Registrar	Ronald M. Bristow
Associate Dean of Students, Counseling and Testing	Lester M. Beals
College Physician	Harold L. Graber, M.D.
Director of Placement Services	Max W. Burke

BUSINESS MANAGEMENT

Business Manager	Jack E. Lyons
Accounting Officer	Stanley N. Chase
Personnel Officer	Lee E. Spencer
Supervisor of Building Trades	Beryl Kempton

ORANGE COUNTY STATE COLLEGE ADVISORY BOARD

Leo C. Marshburn, Chairman	Whittier
E. B. Buster	Santa Ana
Harold E. Coward	Laguna Beach
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Leland C. Launer	Fullerton
Thomas W. Mathew	Laguna Beach
John R. Moore	Fullerton
Charles A. Pearson	Anaheim
Angus M. Tierney	Garden Grove

FACULTY

(Year in parenthesis indicates date of appointment)

LANGSDORF, WILLIAM B. (1959)—President and Professor of History
B.A., M.A., Occidental College; Ph.D., University of California

ADAMS, RAYMOND V. (1960)
Professor of Physics and Chairman, Physics Department
B.S., Kansas State University; Ph.D., California Institute of Technology

ALAMSHAH, WILLIAM H. (1959)
Associate Professor of Philosophy and Chairman, Philosophy Department
M.A., Claremont Graduate School; Ph.D., University of Southern California

ALEXANDER, JAMES P. (1960)—Assistant Professor of Journalism
B.A., M.S., in Ed., University of Southern California

ALLEN, HOLLIS P. (1960)—Professor of Education
B.A., Pomona College; M.A., Ed.D., Stanford University; LL.D., Claremont Graduate School

AMES, DENNIS B. (1960)
Professor of Mathematics and Chairman, Mathematics Department
B.A., M.A., Bishop's University; Ph.D., Yale University

ASHLEY, THOMAS J. (1961)—Assistant Professor of Political Science
B.A., Fresno State College

BARRES, STEPHEN J. (1961)
Associate Professor, Labor Relations and Management
B.A., Texas Western College; M.S., Ph.D., Purdue University

BEALS, LESTER M. (1959)
Associate Dean of Students, Counseling and Testing, and Professor of Education
B.A., M.A., University of Nebraska; Ed.D., University of Oregon

BECK, WARREN A. (1961)—Assistant Professor of History
B.A., M.A., Wayne University; Ph.D., Ohio State University

BECKER, ERNEST A. (1959)
Dean of Students and Associate Professor of Philosophy
B.A., Amherst College; B.D., Hartford Theological Seminary; M.A., University of Southern California

BERGEL, ALICE R. (1961)—Assistant Professor of German and French
Ph.D., University of Berlin

BLANCHARD, MILTON C. (1961)—Building Coordinator
B.S., M.Ed., Tufts University

BRATTSTROM, BAYARD H. (1960)—Assistant Professor of Zoology
B.S., San Diego State College; M.A., Ph.D., University of California, Los Angeles

BREINHOLT, VERNA A. (1961)—Associate Professor of Speech
B.A., M.A., Brigham Young University

BRIDGMAN, DONALD C. (1960)—Professor of Education
B.A., Chapman College; M.S. in Ed., Ed.D., University of Southern California

BRISTOW, RONALD M. (1959)—Registrar and Instructor in Education
B.A., M.S., University of Southern California

BROSSMAN, SIDNEY W. (1961)—Associate Professor of English
B.A., University of California, Los Angeles; M.A., Ph.D., University of Southern California, Los Angeles

BROWN, GILES T. (1960) ..... Professor of History and Chairman, Division of Social Sciences, and Chairman, History Department
B.A., San Diego State College; M.A., University of California; Ph.D., Claremont Graduate School

BRYDEN, JOHN H. (1961)
Professor of Chemistry and Chairman, Chemistry Department
B.S., College of Idaho; M.S., California Institute of Technology; Ph.D., University of California, Los Angeles

BURKE, MAX W. (1960)
Director of Placement Services and Assistant Professor of Education
B.A., University of Iowa; B.D., Colgate-Rochester Divinity School

CALHOUN, ROLAND, L. (1961) ..... Assistant Professor of Psychology
B.A., Claremont Men's College; M.A., Ph.D., University of Michigan

CARLSON, RAE S. (1961) ..... Assistant Professor of Psychology
B.A., University of Nebraska; M.S., University of Washington; Ph.D., University of Michigan

CARR, EDWIN R. (1960)
Professor of Education and Economics and Coordinator of Secondary Education
B.A., Jamestown College; M.A., Columbia University; Ph.D., University of Minnesota

CHEN, WILLIAM PIN (1960) ..... Librarian III
B.A., National Wu-han University, China; M.S. in L.S., M.A., Ph.D., University of Illinois

CROY, HAZEL M. (1960) ..... Associate Professor of Education
B.A., M.A., University of Redlands; Ed.D., University of California, Los Angeles

CUSICK, JAMES W. (1961) ..... Assistant Professor of Education
B.S., Montana State College; M.A., Washington State University

DAVIS, BARBARA A. (1960) ..... Librarian III
B.S., Carnegie Institute of Technology; M.L.S., Carnegie Library School; B.M., University of Wisconsin

deGRAAF, LAWRENCE B. (1959) ..... Assistant Professor of History
B.A., Occidental College; M.A., University of California, Los Angeles

DENNO, RAYMOND E. (1961)
Audio-Visual Coordinator and Professor of Education
B.A., University of California at Santa Barbara; M.S., University of Southern California; Ed.D., University of California, Los Angeles.

DIETZ, NAOMI G. (1960) ..... Associate Professor of Art
B.S., Whitworth College; M.A., Teachers College, Columbia University

DOANE, KENNETH R. (1960)
Professor of Education and Chairman, Division of Education and Psychology
B.S., Wisconsin State College, La Crosse; M.S., Ph.D., University of Wisconsin

EARICK, ARTHUR D. (1960) ..... Associate Professor of Geography
B.A., Indiana University; M.A., Ph.D., University of Michigan

EHMANN, GERHARD E. (1959)
Dean of Educational Services and Summer Session and Professor of Education
B.A., Occidental College; M.A., Ed.D., University of California, Los Angeles

FESSENDEN, SETH A. (1959)
Professor of Speech and Chairman, Speech and Drama Department
B.S., M.S., University of Illinois; Ph.D., New York University

FRIEDRICH, GERHARD G. (1961)
Professor of English and Chairman of the Division of Humanities
B.A., Guilford College; M.A., Haverford College; Ph.D., University of Minnesota

FYFE, GORDON S. (1960)—Assistant Professor of Marketing
B.A., University of Rochester; M.B.A., University of Pennsylvania

GOLDEN, LORETTA (1961)—Assistant Professor of Education
B.A., University of California, Los Angeles; M.A., Stanford University

GRABER, HAROLD L. (1960)—College Physician
B.S., Washburn College; M.D., Kansas University

GRANELL, LEE E. (1960)—Instructor in Speech
B.A., San Diego State College; M.A., University of Southern California

GRAVES, LEVERN (1960)—Assistant Professor of Economics
B.A., University of California

GRAY, J. JUSTIN (1961)—Associate Professor of Music
B.Mus., University of Michigan; Mus. M., Eastman School of Music; D.Mus., University of Southern California

HARRIS, HARVEY R. (1962)—Associate Professor of English
B.A., Columbia University; M.A., Columbia University; M.A., University of Redlands; Ph.D., University of Southern California

HARTSIG, BARBARA A. (1959)
Professor of Education and Coordinator of Elementary Education
B.A., Occidental College; M.S., University of Southern California; Ed.D., University of California, Los Angeles

HEAVENRICH, SAMUEL W. (1960)—Professor of Art
B.A., M.A., Ed.D., University of California, Los Angeles

HEIN, RAYMOND (1961)—Associate Professor of Art
B.A., M.A., Long Beach State College

HILL, IDA S. (1960)—Associate Professor of Education
B.S., University of Utah; M.A., New York University; Ed.D., University of California, Los Angeles

HOLMES, EMMA E. (1961)—Assistant Professor of Education
B.A., Mount Holyoke College; M.A., University of Illinois; Ph.D., State University of Iowa

HYINK, BERNARD L. (1960)—Dean of Instruction and Professor of Political Science
B.A., University of Redlands; M.A., University of California; Ph.D., University of Southern California

IMHOFF, MYRTLE M. (1960)—Associate Professor of Education
B.A., Harris Teachers College; M.A., St. Louis University; Ph.D., Washington University

JAMGOTCH, NISH (1960)—Instructor in Russian
B.A., M.A., University of Minnesota

JOHNSON, RAYNOLDS (1961)—Publications Manager and Administrative Assistant to the President and Assistant Professor of Journalism
B.A., Los Angeles State College; M.A., Stanford University

JONES, HAZEL J. (1960)—Assistant Professor of Education
B.A., Western State College of Colorado; M.S., University of Southern California

KERAN, DONALD W. (1961)—Librarian I
B.A., University of California, Los Angeles; M.S. in L.S., University of Southern California

KERSCHNER, LEE R. (1961)—Instructor in Political Science
B.A., Rutgers University; M.A., Johns Hopkins University

KRAVITZ, BERNARD (1961) ..... Assistant Professor of Education
B.A., University of Southern California; M.A., Ed.D., University of California, Berkeley

LANDON, JOSEPH W. (1960) ..... Professor of Music and Chairman, Music Department
B.A., Occidental College; M.A., Claremont Graduate School; Ed.D., University of Southern California

LAY, L. CLARK (1960) ..... Professor of Mathematics
B.S., Aurora College; M.A., University of Southern California; Ed.D., University of California, Los Angeles

LI, DAVID H. (1960) ..... Associate Professor of Accounting
B.A., St. John's University, Shanghai; M.B.A., University of Pennsylvania; Ph.D., University of Illinois

LIU, GEORGE B. (1961) ..... Librarian II
B.A., Fresno State College; M.A., M.L.S., University of Illinois

LIVENGOOD, EDWARD B. (1960) ..... Librarian II
B.A., University of Redlands; M.S. in L.S., University of Southern California

LONG, EMMETT T. (1959) ..... Associate Dean of Students, Admissions and Records, and Associate Professor of Speech
B.A., Pepperdine College; B.A., M.A., University of California

LYONS, JACK E. (1959) ..... Business Manager
B.A., University of Southern California

MARSHALL, BETH E. (1961) ..... Instructor in Education
B.A., Michigan State University; M.A., Wayne State University

MASON, JOHN BROWN (1960) ..... Professor of Political Science and Chairman, Political Science Department
B.A., Butler University; M.A., Ph.D., University of Wisconsin

MATHIEU, GUSTAVE (1960) ..... Associate Professor of French and German and Chairman, Department of Foreign Languages and Literatures
B.S., M.A., Ph.D., Columbia University

MAXWELL, J. WILLIAM (1960) ..... Associate Professor of Journalism and Chairman, Journalism Department
B.A., University of Southern California; M.S., Columbia University; Ph.D., University of Iowa

McCARTHY, MILES D. (1959) ..... Professor of Biology and Chairman, Division of Science and Mathematics, and Chairman, Biological Science Department
B.S., Westchester State Teachers College, Pennsylvania; Ph.D., University of Pennsylvania

McCLEARY, JAMES A. (1960) ..... Professor of Botany
B.A., Asbury College; M.S., Ohio University; Ph.D., University of Michigan

McCOMB, STUART F. (1959) ..... Executive Dean and Professor of Education
B.A., Arizona State University; M.S., Ed.D., University of Southern California; LL.D., Upper Iowa University

McNELLY, WILLIS E. (1961) ..... Assistant Professor of English
B.A., Central YMCA College; M.A., Loyola University (Chicago); Ph.D., Northwestern University

MICHALSKY, DONAL R. (1960) ..... Assistant Professor of Music
B.M., Mus.M., University of Southern California

OLSEN, JOHN W. (1961) ..... Professor of Art and Chairman, Art Department and Chairman of the Division of Fine and Applied Arts
B.Ed., University of California, Los Angeles; M.A., Ed.D., Columbia University

OMALEV, ALEXANDER (1960)—Associate Professor of Physical Education and Coach of Basketball
B.A., M.S., University of Southern California

PASTOR, PAUL J. (1960)—Associate Professor of Education and Physical Education
B.S., M.Ed., Springfield College; Ed.D., University of Oregon

PONTNEY, JACK A. (1961)—Assistant Professor of Economics and Finance
B.A., University of Redlands; M.A., Northwestern University

POVLOVICH, CHARLES A., JR. (1960)—Associate Professor of History
B.A., University of Kansas City; M.A., University of Missouri; Ph.D., University of Southern California

RAMSAY, ORRINGTON C. (1960)—Associate Professor of English and Chairman, English Department
B.S., Northwestern University; M.A., Ph.D., University of Wisconsin

REITH, GERTRUDE (1961)—Assistant Professor of Geography
B.A., M.A., University of Washington

ROBERTS, FRANK L. (1961)—Associate Professor of Management and Marketing
B.S., University of Arkansas; M.B.A., University of Texas; Ph.D., University of Illinois

ROBINSON, M. HELENE (1961)—Assistant Professor of Music
B.A., University of Oregon; Mus.M., Northwestern University

SALZ, PAULINA J. (1961)—Assistant Professor of English
B.A., M.A., Ph.D., University of Southern California

SAPIRO, LELAND (1961)—Instructor in Mathematics
B.A., University of California; M.A., University of California, Los Angeles

SCHMIDT, LOUIS G. (1961)—Professor of Education
B.S., Stout State College; M.S., Ph.D., University of Wisconsin

SMITH, J. REX (1961)—Assistant Professor of Sociology
B.A., Phillips University; B.D., Yale University (Divinity School); M.A., University of Southern California

SMITH, THEODORE H. (1960)—Professor of Marketing and Chairman, Division of Business Administration and Economics
B.A., Heidelberg College; M.B.A., Northwestern University; Ph.D., Ohio State University

SPOLYAR, LUDWIG J. (1960)—Associate Dean of Students, Activities, and Assistant Professor of Education
B.A., San Jose State College; M.A., Ph.D., Michigan State University

SUTTON, DONALD D. (1960)—Associate Professor of Biology
B.A., University of California; M.A., Ph.D., University of California, Davis

THORSEN, DAVID O. (1960)—Associate Professor of Music
B.M., University of Redlands; M.A., Occidental College

TOY, ERNEST, JR. (1959)—College Librarian and Associate Professor of History
B.A., College of St. Thomas; M.S., University of Southern California; M.A., University of California, Los Angeles

TULL, DONALD S. (1961)—Professor of Marketing
B.S., M.B.A., Ph.D., University of Chicago

TURNER, GEORGE C. (1960)—Associate Professor of Biology
B.A., Stanford University; M.S., Utah State University; M.Ed., Eastern Washington College of Education

UNTERBERGER, BETTY M. (1961) ..... Associate Professor of History
B.A., Syracuse University; M.A., Radcliffe-Harvard; Ph.D., Duke University

WISEMAN, DORSEY, E. (1961) ..... Professor of Accounting
B.S., West Virginia University; M.B.A., University of Pennsylvania; Ph.D., University of Illinois

YOUNG, JAMES D. (1960) ..... Associate Professor of Speech and Drama
B.S., Pepperdine College; M.A., Ph.D., University of Southern California

PART-TIME FACULTY

AHUMADA, RODOLFO (1962) ..... Assistant Professor of Philosophy
B.A., M.A., Mexico City College

ASH, EDWARD C. (1962) ..... Assistant Professor of Management
B.S., M.B.A., University of Southern California

BARR, HARRIET (1962) ..... Assistant Professor of Art
B.Ed., University of Wisconsin; M.A., University of Southern California

BEDDOWS, HAROLD R. (1962) ..... Instructor of Business Education
B.S., Thiel College; M.S., University of Southern California

CANNON, JOHN P. (1962) ..... Assistant Professor of Geography
B.A., Long Beach State College; M.A., Mexico City College; Ph.D., University of Mexico

CORRIGAN, ROBERT E. (1961) ..... Professor in Education
B.A., M.A., University of Wisconsin; Ph.D., Tulane University

COX, MIRIAM (1961) ..... Assistant Professor of English
B.S., Utah State University; M.S., University of Idaho

CUPPY, ALLEN B. (1960) ..... Instructor in Education
B.S., Central State College; M.A., Long Beach State College

DIETZER, JAY (1960) ..... Assistant Professor of Music
B.M., M.M., Cincinnati Conservatory of Music

DURYEA, LESLIE N. (1962) ..... Associate Professor of Management
B.S., Purdue University; LL.B., Stanford University

FIERMAN, MORTON C. (1960) ..... Assistant Professor in Education
B.A., Western Reserve University; M.H.L., Hebrew Union College; M.A., Tulsa University; Ed.D., Arizona State University

GOOD, KAYE M. (1961) ..... Instructor in Speech
B.A., Washington State College

GRAHAM, GEORGE R. (1960) ..... Assistant Professor of Philosophy
B.A., Park College; B.D., Union Theological Seminary

GRATNER, PAULINE (1962) ..... Assistant Professor of Art
B.E., University of California, Los Angeles

HARRINGTON, ERNEST (1960) ..... Associate Professor of Speech
B.A., M.A., University of Washington; Ph.D., State University of Iowa

HOFF, GEORGE R. (1960) ..... Assistant Professor of Psychology
B.A., Pepperdine College; M.S., Ph.D., University of Southern California

KAPLAN, DONALD E. (1960) ..... Assistant Professor of Speech
B.A., University of California, Los Angeles; M.A., Long Beach State College

KELLY, ROBERT R. (1962) ..... Assistant Professor of Accounting
B.B.A., Northeastern University

KREIDT, MARTIN A. (1961) ..... Instructor of Geography
B.S., Concordia Teachers College; M.S., Northwestern University

MILLER, CHARLES RUSSELL.....Assistant Professor of Business
B.S., U. S. Naval Academy; M.B.A., University of California, Los Angeles

PATTERSON, PIERCE E. (1959).....Assistant Professor of Education
B.S., Montana State College; M.A., San Diego State College

PIERNO, ANTHONY R. (1961).....Assistant Professor of Management
B.A., Whittier College; LL.B., Stanford Law School

REAMS, L. MAXINE (1962).....Assistant Professor of Journalism
B.A., State University of Iowa

RIZZARDI, FRANK G. (1962).....Associate Professor of Management
B.B.A., M.B.A., University of Michigan

SCHAFER, RAY E. (1962).....Assistant Professor of Economics
B.S., University of Akron; M.B.A., Western Reserve University

SCHEID, PHIL N. (1961).....Assistant Professor of Psychology
B.A., B.S., Illinois Institute of Technology

SCHNEIDER, CLARENCE E. (1961).....Associate Professor of English
B.A., Iowa State Teachers College; M.A., State University of Iowa; Ph.D., University of Southern California

WAGNER, EDYTH E. (1960).....Assistant Professor of Music
B.S., Julliard School of Music; M.M., University of Southern California

WICKES, GEORGE A. (1961).....Associate Professor of English
B.A., University of Toronto; M.A., Columbia University; Ph.D., University of California, Berkeley

COLLEGE COMMITTEES 1961-1962

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The President of the College and the Chairman of the Faculty Council are ex-officio members of all faculty committees.

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Mrs. L. Clinton Sawin
Newport Beach, California

Mrs. Irene Schoepfle
Santa Ana, California

Miss Marguerite E. Waters
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Thomas Trawick
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K. E. Whiteneck
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Garden Grove, California

Dr. Elizabeth V. Wright
Fullerton, California

THE CALIFORNIA STATE COLLEGES

Orange County State College is one of seventeen California State Colleges on eighteen campuses supported by public funds. These colleges are administered by the Trustees of the California State Colleges, a board created by Chapter 49, Statutes of 1960. On July 1, 1961, the administration and control of the California State Colleges was transferred from the State Board of Education to the Trustees of the California State Colleges. This new governing board was created as the result of studies conducted over several years concerning the future of higher education in California. A separate governing board for the colleges was recommended in the Master Plan for Higher Education in California which was presented to the Legislature in February, 1960. The year 1962-1963 is the second year of operations under this new governing board.

The California State Colleges group is the largest system of higher education in the United States, with fifteen existing colleges located on sixteen campuses throughout California, and with two additional state colleges planned for the near future. The California State Colleges enroll over 100,000 students, served by nearly 12,000 personnel: administrators, faculty, and staff.

San Jose State College is the oldest, founded in 1857. San Bernardino-Riverside State College and South Bay (Los Angeles County) State College will be the newest. Listed below are the total existent and planned California State Colleges and their locations by city:

Alameda State College	Hayward
California State Polytechnic College	San Luis Obispo, San Dimas
Chico State College	Chico
Fresno State College	Fresno
Humboldt State College	Arcata
Long Beach State College	Long Beach
Los Angeles State College	Los Angeles
Orange County State College	Fullerton
Sacramento State College	Sacramento
San Diego State College	San Diego
San Fernando Valley State College	Los Angeles
San Francisco State College	San Francisco
San Jose State College	San Jose
Sonoma State College	Cotati
Stanislaus State College	Turlock

Planned:

San Bernardino-Riverside State College	(Exact site to be determined)
South Bay State College	(Exact site to be determined)

PHILOSOPHY AND OBJECTIVES OF ORANGE COUNTY STATE COLLEGE

The main functions of an institution of higher learning are to disseminate and advance knowledge. The philosophy which guides an institution can limit or promote the successful achievement of these objectives. Therefore, from its inception, Orange County State College has directed its educational program toward the fullest possible development of the individuals who participate in it. For both faculty and students this entails a commitment to high standards of scholarship, a comprehensive rather than a narrow approach to major areas of study, and a concern with research and other creative activity.

The College holds to the belief that an enduring educational experience must be founded upon exploration of our cultural heritage, through basic studies in the liberal arts and sciences, and that it can and should at the same time prepare for success in a chosen occupation or profession. Accordingly, the required General Education program has as its objective the development in each student of:

1. The effective use and interpretation of the written and spoken language.
2. An understanding of the wide range of human endeavor and accomplishments in Liberal Arts and Sciences, their interrelationships, and the various choices and values they represent.
3. An understanding of information and principles in some areas of the Liberal Arts and Sciences in sufficient depth to encourage critical and creative thought and expression.
4. A spirit of inquiry into the past and into the future, in order to cope with conditions in the continually changing world.
5. An understanding of the rights, privileges and responsibilities of citizenship in the community and nation, and of effective participation in today's world.

In addition, the College requires of all students who are candidates for a degree —whatever their special purpose—the pursuit of a subject major.

HISTORY OF ORANGE COUNTY STATE COLLEGE

Orange County is situated on a coastal plain southeast of the City of Los Angeles. A decade ago the county was thought of as being one of rural characteristics, with emphasis on the production of oranges and other citrus fruits. Today it is being referred to as one of the fastest growing counties in the nation. Between the Federal Census of 1950 and that of 1960, the population grew 225.6% to a total of 703,925 persons. Forty-eight percent of the population is under 25 years of age. During the decade preceding 1961, school enrollments grew 347%, vehicle registration gained 210%, and there was an increase of 232% in the assessed valuation. Much of the county is still rural, the county having a population density of 1.37 persons per acre. There are sections, however, that are as dense as 16.64 persons per acre. Every indication points to continued growth, with a predicted population of nearly two million by 1980.

The first six months of 1961 saw the use of 1,257 acres of land change from agriculture to subdivisions, business and industry, freeways, and schools. The electronics industry is the leader in growth among industries and businesses in the county.

Orange County State College was established by act of the Legislature under the terms of Chapter 1681 of the Statutes of 1957. On March 13, 1958, the Public Works Board selected the site of the College, located in the northeast section of the City of Fullerton. It now consists of 252 acres, and is bounded on the north by Pioneer Avenue, on the west by State College Boulevard (formerly Cypress Avenue), on the south by the extension of Nutwood Avenue, and on the east by the proposed north-south freeway. The College is located within five miles of 60% of the industry and within ten miles of 70% of the population of Orange County. It is also within easy driving range of Orange County beaches and mountains, and of the other cultural centers of Southern California and their recreation and entertainment areas.

Dr. William B. Langsdorf was appointed president of the College on January 16, 1959, by the State Board of Education upon the recommendation of Roy E. Simpson, State Superintendent of Public Instruction. President Langsdorf and two aides came to Fullerton on March 2, 1959, to begin planning for the opening of the new College. Arrangements were made with the Fullerton Union High School District to lease quarters for the College administrative offices on the Fullerton Union High School campus, and to hold classes at the Sunny Hills High School for the 1959-60 school year. The first three years saw average annual enrollments of

445, 1,102 and 1,670 individuals, respectively. Envisioned are average annual enrollments of 2,200 in 1962-63; 8,000 in 1967-68; 17,000 in 1972-73; and 30,000 individuals when the College reaches its Master-plan enrollment of 20,000 full time equivalent students in the early nineteen eighties.

In the Fall of 1960, the College opened classes on its own campus where it occupied twelve temporary buildings. The first permanent building, the Science Building, is expected to be completed in 1963. Thereafter, other permanent buildings will be opened in approximately the following order: Music-Speech-Drama building, 1964; Gymnasium, 1965; Library, Cafeteria, and Residence Halls, 1966; Art building, Health Center, Administration building, 1967; General Classroom building, Engineering building, Auditorium, additional residence halls in 1968. Additional buildings are being planned for the future.

ACCREDITATION

Orange County State College is fully accredited by the Western Association of Schools and Colleges, Western College Association, and the California State Board of Education.

MEMBERSHIP IN ORGANIZATIONS

The College is a member of the following distinguished educational bodies:

American Association of Colleges for Teacher Education
American Council on Education
Association of State Colleges and Universities
Western College Association

THE COLLEGE LIBRARY

The College Library, housed in Buildings 1100 and 1600, will contain, at the beginning of the 1962-63 academic year, about 40,000 volumes. This collection will include regular books, bound periodicals, and special collections of outstanding juveniles, and of elementary and secondary school text books. During the school year about 12,000 volumes will be added.

In addition to these materials, about 450 courses of study and related curriculum publications of various school districts, together with about 1,600 pamphlets, will be available at the beginning of the year. The Library will subscribe to about 850 current periodicals. Limited bound and unbound backfiles will be available, as well as a collection of about 3,000 reels of microfilm most of which contains periodicals and newspaper backfiles. Microfilm readers and a reader-printer will be available for student and staff use.

The Reference Reading Room in Building 1100 and the Periodicals and Microfilm Reading Room in Building 1600 together will seat about 150 persons. Hours of service are posted at the entrances. Professional librarians are available to aid students and staff in the use of the collection.

LATE AFTERNOON AND EVENING CLASSES

Courses offered in late afternoon and evenings and on Saturday mornings accommodate persons in the community who are employed on weekdays. These classes held on campus are a part of the regular college program and carry residence credit for degrees and credentials. Courses are taught by regular and part-time members of the faculty and cover a wide range of academic and professional subjects.

SUMMER SESSION

The college conducts a six-weeks summer session which begins one week after the close of the spring semester. Day and evening classes are scheduled and credits earned in the summer session meet degree and credential requirements with the same validity as credits secured in the fall and spring semesters. A maximum of six units of college credit may be earned for the six-weeks session.

In addition to much of the regular curriculum, summer offerings include special workshops and seminars for teachers and other professional groups. A program of recreational activities is planned to serve a wide variety of interests.

A tuition fee of $11.50 per unit (subject to change) is charged. The *Summer Session Bulletin* announcing all courses is published in March and may be obtained by writing the Dean of Educational Services and Summer Session.

EXTENSION PROGRAM

Off-campus classes offered by the college are organized under the Extension Division. Such work is given in response to a need from persons who, because of distance from the campus, find it difficult to take residence courses. In some instances, extension classes may be undertaken at locations nearby because of special facilities which are not available on campus.

Extension courses may be planned for those wishing to earn college credit and under certain conditions this credit can be applied toward a degree or a credential. Courses may be modified and designed to meet the particular needs of certain groups and may be initiated at various times during the year.

Tuition for extension courses is $10 per unit for lecture courses, $13 per unit for activity courses, and $20 per unit for laboratory courses (subject to change). For full details concerning extension work, write the Dean of Educational Services and Summer Session.

THE ORANGE COUNTY STATE COLLEGE FOUNDATION

The Orange County State College Foundation has been organized to provide essential student and faculty services which cannot be provided from state appropriations. The Foundation was incorporated in October 1959. The Board of Trustees is made up of members of the college faculty and administration.

The Foundation has over-all policy control of the college book store and food service. In order to allow students a means of participating in the formulation of the policies for the book store and food service, the Foundation Board has delegated specific responsibilities in these areas to committees with student members.

As the college grows, the Foundation will be able to provide many services to the students. These will include a well-stocked book store, a complete food service, student loans, scholarships, opportunities to assist members of the faculty in sponsored research and special internship, and experience programs that cannot be financed with state funds.

STUDENT PERSONNEL SERVICES

Student Services of Orange County State College are centered in the Office of the Dean of Students. The major divisions are admissions and records, counseling and testing, student activities, health, and student placement. Housing, part-time employment, intercollegiate and intramural athletics, and other similar concerns are centered in this office.

ADMISSION

UNDERGRADUATE STUDENTS

Requirements

Applicants are *admitted to regular standing* if they meet all of the following standards:

1. Completion of 54 college semester units.
2. A 2.0 (C) average in all units attempted.
3. In "good standing" at previous institutions attended.

Procedure

All students, both full-time and part-time, will be required to matriculate. This includes:

1. Submitting a completed Application for Admission.
2. Having the high school of graduation send directly to Orange County State College a transcript of record.
3. Having *each* college attended send directly to Orange County State College a transcript of record.
4. Completing the test battery required by the college.

GRADUATE STUDENTS

Requirements

A student who has earned an acceptable bachelor's degree from an accredited college or university may be admitted in unclassified graduate status. Admission with unclassified graduate status does not constitute acceptance as a master's degree candidate.

Courses at the 400 and 500 level completed by students in graduate unclassified status may not be applied to a master's degree program at Orange County State College until all of the following conditions have been met:

1. Orange County State College has been approved for and offers a master's program in the field in which the student is taking work. (The college has been approved to develop master's programs but has not yet been approved to offer a master's program.)
2. The student qualifies for graduate classified status. This status may not be granted until the master's degree program is offered.
3. The course or courses have been approved as a part of the program for the master's degree. This approval may not be granted until the student has been admitted to graduate classified status.

Procedure

1. Students planning to work toward a degree or credential at Orange County State College will follow the same procedure shown for undergraduate students with the exception that no high school transcript need be submitted.
2. Students *not* planning to work toward a degree or credential at Orange County State College and wishing to take a *maximum of 6 units* any semester will submit the following:
   a. A completed Application for Admission.
   b. Satisfactory *proof of degree,* e.g. college diploma.
   c. No evaluation of transfer credit will be given to such students and no regular advisement is offered. Students desiring advisement should follow the procedure listed immediately above in paragraph # 1.

TESTING

All entering students who are candidates for a degree or a credential are required to take a test battery as a part of the admissions procedure. The results are used as a basis for counseling and classification. In addition, some departments use the results as a means of determining the potential of students for special training.

The tests currently in use are the College Qualification Test and the English Cooperative Test, Expression and Reading. The CQT is a general academic ability test which includes the following areas: Science, Social Science, Verbal, Numerical, and Total.

Testing will be done on the OCSC campus on the following dates:

May 19, 1962	9 a.m., Saturday
June 12, 1962	9 a.m., Tuesday
July 10, 1962	7 p.m., Tuesday
August 14, 1962	9 a.m., Tuesday
August 28, 1962	7 p.m., Tuesday

PROBATIONARY ADMISSION

Applicants who are admitted with a grade point deficiency are given *probationary* status and must remove the entrance deficiency during their first year at Orange County State College. A student admitted on *probationary* status may be restricted by his adviser to a limited program.

ADMISSION FROM NONACCREDITED COLLEGES

An applicant who has attended a non-accredited college or university may be considered for admission to a state college if he meets the standards listed for transfers from accredited colleges and universities.

ADMISSION OF FOREIGN STUDENTS

Special application forms are required of foreign student applicants. Such forms and directions for their use may be obtained from the Office of Admissions.

Students from other countries are required to submit with their applications evidence of competence in the English language, a medical certificate of health, and evidence of financial resources adequate to provide for all expenses during the period they expect to be registered as students in the college.

Transcripts required are the same as for other applicants. It should be noted, however, that foreign language transcripts must be accompanied by certified English translations.

CANCELLATION OF ADMISSION

A student who is admitted to the college for a given semester but who does not register in the specified semester will have his admission cancelled. The student must file a new application form when he again seeks admission and must meet the current admission requirements.

READMISSION

Students in "good standing" may be readmitted to the college after an absence of one or more semesters by filing a new Application for Admission. Students who have attended another institution since their last attendance at Orange County State College must have a transcript of record from that institution sent directly to the Office of Admissions.

ADMISSION TO CREDENTIAL PROGRAMS

Admission to the college as a student does not constitute admission to the teaching credential program. Students who intend to work toward credentials must make application to the Division of Education and Psychology during their first semester of attendance. Details are available from the Division of Education and Psychology.

EVALUATIONS

EVALUATION OF TRANSFER CREDITS

The Office of Admissions will evaluate previous college work in terms of its relationship to the requirements of Orange County State College. All degree and credential candidates will be issued a Credit Summary, which serves as a basis for determining specific remaining requirements for the student's specific objective. Once issued to a student, the evaluation remains valid as long as the student matriculates at the date specified, pursues the objective specified, and remains in continuous attendance. The student will not be held to additional graduation requirements unless such requirements become mandatory as a result of changes in the California Administrative Code or the California Education Code.

In view of the foregoing regulations, the student should notify the Office of Admissions immediately if he changes the objective specified in his evaluation.

While the evaluation for a student remains valid, the student is held responsible for complying with all changes in regulations and procedures which may appear in subsequent catalogs.

ACCEPTANCE OF CREDIT

Credit for work completed at accredited institutions will be accepted toward the satisfaction of degree and credential requirements at Orange County State College within limitations of residence requirements, junior college transfer maximums, and course applicability.

TRANSFER OF CREDIT FROM A JUNIOR COLLEGE

Upper division credit is not allowed for courses taken in a junior college. Credential credit is not allowed for courses in professional education taken in a junior college. This does not invalidate credit for pre-professional courses taken at a junior college, such as introduction to education, art or design, arithmetic and/or music for classroom teachers. After a student has completed 70 units of college credit, whether at a junior college or a four-year institution, or at both, no further junior college units will be accepted for unit credit.

CREDIT FOR MILITARY SERVICE

Students who have been in military service for at least a year may be granted six units of credit. Courses taken in service schools may be given credit on the basis of an evaluation which determines that they are of college level. Any credit for military experience will be given only upon request. Records verifying such experience must be filed with the Office of Admissions.

CREDIT FOR EXTENSION AND CORRESPONDENCE COURSES

The maximum amount of credit through correspondence and extension courses which may be allowed toward the bachelor's degree is 24 units, of which not more than 12 may be transferred from another college or university.

REGISTRATION

Registration is the final step in the matriculation process. When a student has been admitted by the Office of Admissions and has decided in a conference with his assigned adviser which subjects he wishes to take, he is ready for registration.

A *Class Schedule* containing details regarding courses offered and procedures to be followed for registration is made available prior to the beginning of each semester and summer session.

At the time of registration, every student is required to file a program card with the Office of the Registrar. The filing of a program card by the student and its acceptance by the college is evidence of an obligation by the student to perform the designated work to the best of his ability. Withdrawal from, or neglect of, any course entered on the program card, or a change of program (including a change of section of the same course) without the formal permission of the Office of the Registrar, will result in a grade of F.

A student may not receive credit in any courses in which he is not registered.

Statement of Residence

A Statement of Residence must be completed prior to registration for each student, day or evening. No student in continuous attendance during successive semesters is required to file a Statement of Residence after the initial filing. Any break in attendance requires a new Statement of Residence.

Late Registration

The last day to register late each semester will be announced in the *Class Schedule*. The college calendar in the front of this catalog contains 1961-62 registration dates. Late registrants will find themselves handicapped in arranging their programs and must by state law pay a $5 late registration fee in addition to regular fees.

Change of Program

Students who wish to drop a class or withdraw from college must fill out a *change of program* card in the Office of the Registrar. All grades for withdrawal through the first six weeks of instruction of the semester will be W. Beginning with the seventh week, grades assigned will be W if the student is passing at the time he withdraws, or F if the student is failing at the time he withdraws.

Dual Registration

A student enrolled at Orange County State College may enroll concurrently for additional courses at another institution only with advance written approval from the student's academic adviser. Permission will not be granted when the study load in the proposed combined program exceeds the units authorized at this college.

Auditors

A properly qualified student may register in classes as an auditor without credit, provided there is room. The auditor need not meet the regular standards for admission. An auditor must pay the same fees as other students. An auditor may not change his registration to obtain credit after the last date to add courses to the study list. An auditor is not permitted to take examinations in the course. No credit will be granted toward a degree or credential for a course with an audit grade.

RECORDS

Grade Reports to Students

A report of the final grades assigned in classes is sent to each student at the end of each semester.

Transcripts

Upon request to the Office of the Registrar, each student will be provided with one official copy of his college record without charge. A charge of $1 will be made for each additional transcript requested by the student. No transcript will be supplied for college work taken in other institutions.

ACADEMIC REGULATIONS

RIGHT OF PETITION

Students have the right to petition any academic action taken by the college in accordance with established regulations. When a problem arises where this petition right should be exercised, the student should be referred to the Office of Admissions and Records. He will be permitted to file a petition on a form designated for this purpose. All petitions must first be reviewed by the student's adviser and initialed by him. The Petitions Committee will then take action on the petition and the student will be notified of this decision. A copy of the action will also be placed in the student's folder in the Office of the Registrar.

Students also have the right to appeal any disciplinary action taken by appropriate college authority. This may be done by requesting a hearing at a regular meeting of the Faculty Committee on Student Affairs, or at a special meeting if the matter is deemed urgent. Such requests should be filed in the Office of the Dean of Students who will schedule a hearing at the earliest possible time.

Study List Limits

A student is normally permitted to enroll in a maximum of 16 units each semester. However, upon written approval of his adviser, the student may carry additional units. The foregoing limits apply to students who are attending college on a full-time basis. Students with outside responsibilities are strongly advised to reduce their study load.

Unit of Credit

Each college semester unit represents three hours of college work per week for one semester. Courses are of three types:

1. Lecture—one hour in class plus two hours of study
2. Activity—two hours of class plus one hour of study
3. Laboratory—three hours in class

Some courses may combine two or more of these types.

Classification in College

Undergraduate students who have completed 0-29 units of work are classified as freshmen, 30-59 units as sophomores, 60-89 units as juniors, and 90 or more as seniors.

Grading System

Satisfactory Grade	*Grade Point Value*
C	2
B	3
A	4
Cr.	None assigned
Unsatisfactory Grade	
D	1
F	0
Special Grade	
E (Incomplete)	0
AU (Auditor) (no credit toward degree or credential)	None assigned
W (Passing withdrawal)	None assigned

With the exception of the grades of E, AU, W, and CR, all units attempted are computed in the student's grade point average.

Student Writing

Students will be required to demonstrate, in all classes where written expression is appropriate, their ability to write clearly and correctly about the materials of the course. Ability of a student to demonstrate writing proficiency may be used as a part of his final grade by the instructor, in any course.

Incomplete Work

A grade of E may be given only when, in the opinion of the instructor, a student cannot complete a course during the semester of enrollment for reasons beyond his control. Such reasons are assumed to include illness of the student, of members of his immediate family, extraordinary financial problems, loss of outside position, and other such exigencies. A student may remove a grade of E (incomplete work) by satisfactory completion of course requirements with the instructor and the grade will be changed on the student's permanent record card to that designated by the instructor. If the grade of E is not removed within one semester, unless this period is extended by proper college authority, the grade of E will be considered a permanent grade of F.

Repetition of Courses

When a course is repeated, the units and grade points of the repetition are included in the grade point average in addition to the units and grade points of the original course. When a course is repeated, where the original grade was passing, the repetition will carry no subject or unit credit toward a degree or credential. Grade point deficiencies incurred by courses completed at Orange County State College may not be made up by courses taken at other colleges.

Examinations

Final examinations are required in all courses and are given at times scheduled by the college. Any exception to this schedule must be approved by the office of the Dean of Instruction. No make-up final examination will be given except for reason of illness or other emergencies verified by an authorized college office and by written permission of the instructor, division chairman, and Dean of Instruction. Under such circumstances, an incomplete grade will be recorded for the course.

Good Standing

"Good standing" indicates that a student is eligible to continue or to return, and is free from financial obligation to the college and from disciplinary action. A student under academic or disciplinary dismissal is not eligible to receive a statement of "good standing" on transcripts issued by Orange County State College.

Academic Probation

It is the purpose of academic probation to identify and to bring to the attention of the counseling office the student who is experiencing academic difficulties. Therefore, students whose records fall into any one of the following categories are placed on academic probation:

1. Where the cumulative grade point average on all work attempted at all institutions attended is below a C (2.0).
2. Where the cumulative grade point average on all work attempted at Orange County State College falls below a C (2.0).
3. Where the record shows below a C (2.0) average in any one semester or summer session regardless of the cumulative grade point average.

Academic Dismissal

It is the purpose of academic dismissal to give the student an opportunity to review carefully his educational experiences away from the college environment. This "break" will normally be imposed before the student's record has reached the point where it will preclude a continuation of his educational program at a later date. Therefore, students whose records fall into the following categories will be *subject to dismissal* and action will be taken before the next semester begins. Records will be reviewed individually.

1. Where the record shows below a C (2.0) average in a regular semester or summer session when the student is already on academic probation. (This category does not apply to students admitted on probation.)
2. Where after two semesters on probation a student has not attained a grade point average of C (2.0) on all work attempted at Orange County State College and on all work attempted at all collegiate institutions attended.
3. Where the academic record of the student indicates serious academic difficulty.

Removal of Probation

A student will be automatically removed from academic probation when all the following conditions are met:

a. The student's cumulative grade point average on all work attempted at Orange County State College is a C (2.0) or above.

b. The student's cumulative grade point average on all work attempted at all collegiate institutions attended is a C (2.0) or above.

c. A C (2.0) grade point average is attained on the last semester or summer session of work attempted.

Readmission After Academic Dismissal

A student may apply to the Office of Admissions for readmission after academic dismissal upon completion of the period of dismissal.

Residence Requirements for All Degrees

A minimum of 24 semester units shall be earned at Orange County State College. At least one-half of such units shall be completed among the last 20 semester units counted toward the degree.

GRADUATION POLICY

Election of Regulations

A student remaining in continuous attendance in regular sessions and continuing on the same curriculum in a state college may, for purposes of meeting graduation requirements, elect to meet the graduation requirements in effect either at the time of his entering the curriculum or at the time of his graduation therefrom, except that substitutions for discontinued courses may be authorized or required by the proper college authorities.

Requirements for Graduation

A student is eligible for graduation if he is in good standing and fulfills the following requirements:

1. Completion of the required number of units for the degree or credential. A minimum of 124 semester units is required for graduation with a Bachelor of Arts degree.
   a. A maximum of 24 semester units in extension course credit may be applied toward the degree. Not more than 12 units of this may be transferred from another institution.
   b. Junior College Credit. A maximum of 70 semester units earned in a junior college may be applied toward the degree, with the following limitations:
      (i) No upper division credit may be allowed for courses taken in a junior college.
      (ii) No credit may be allowed for professional courses in education taken in a junior college, other than an introduction to education courses.
      (iii) After a student has completed 70 units of college credit, whether at a junior college or a four-year institution, or at both, no further junior college units will be accepted for unit credit.
   c. Completion of a minimum of 40 units of upper division credit.
   d. Completion of a minimum of 24 semester units in residence. At least one-half of these units must be completed among the last 20 semester units counted toward the degree. Extension credit or credit by examination may not be used to fulfill the minimum residence requirement.
2. Completion of the general education requirements. The basic California Education Code requirements are listed below:
   (a) Social Sciences ..... 9 units
   Must include instruction in United States History, Constitution, California State and Local Government, and American ideals, and courses in the fields of anthropology, economics, geography, history, political science, sociology, and similar fields. Courses must be selected from two or more of these fields.
   (b) Natural Sciences ..... 9 units
   Includes fields of astronomy, botany, chemistry, geology, physics, physiology, zoology, and similar fields. At least one course must be selected from a physical science and one from a life science.
   (c) Literature, Philosophy, or the Arts ..... 6 units
   (Fine and practical arts not to exceed 3 of the 6 units)
   (d) Health and Physical Education ..... 2 units
   (e) Oral and Written Expression ..... 3 units
   (f) Psychology ..... 2 units
   (g) Additional units in General Education ..... 14 units

   Please note: Information concerning specific Orange County State College general education requirements (not available at time of publication) may be obtained in the office of the Associate Dean of Students, Admissions and Records.
3. Completion of all requirements for a major as specified by appropriate college authority.
4. A grade point average of 2.0 or better on:
   (a) All units attempted, including those accepted by transfer from another institution;
   (b) All units in the major; and
   (c) All units attempted at the college granting the degree.
5. Recommendation of the Faculty of the College.

FEES AND EXPENSES

Registration Fees

Regular Students

Materials and service fee	$38.00
Associated Students fee	9.00
Total per semester	$47.00

Limited Students (1-6 units)

Materials and service fee	$19.50
Associated Students fee	4.00
Total per semester	$23.50

Music Studio Lesson Fee

Per semester	$70.00

Summer Session Fees

Per unit or fraction of unit	$11.50
Associated Students fee	2.00

Extension Fees

Per unit or fraction of unit	$10.00-$20.00

Other Fees or Charges

Nonresident tuition fee (in addition to fees required of resident students, except for enrollment in extension or summer session):	
15 units or more	$127.50
Less than 15 units, per unit or fraction of unit	8.50
Late registration fee (in addition to other fees listed above)	5.00
Check returned from bank for any cause	2.00
Change of program fee	1.00
Transcript fee (no charge for first copy)	1.00
Failure to meet administratively required appointment or time limit (special aptitude examinations, failure to keep appointments for health examination, special final examinations, failure to return overdue books after request by library to do so)	2.00

Auditors Pay the Same Fees as Others
Fee Schedule Subject to Change by State Authority

REFUND OF FEES

Upon withdrawal from the college, the materials and service fee may be refunded if written application for refund is submitted to the Registrar not later than 14 days following the day of the term that instruction begins; provided that the amount of $2 shall be retained to cover the cost of registration. Late registration fees and late change of program fees are not refundable.

The entire fee may be refunded in the event a student is unable to continue his registration because of a college regulation or because of compulsory military service. Application for refund under such circumstances may be made at any time prior to the date when the student receives any academic credit for the courses for which he is registered.

The difference between the applicable materials and service fee, less $2, may be refunded if the unit load of the student is reduced to a lower materials and service fee category within the 14 days following the day of the term that instruction begins.

For each unit of nonresident fee charged, the state will refund the entire fee charged during the first week of the semester upon written application, thereafter: second week 90%, third week 70%, fourth week 50%, fifth week 30%, sixth week 20%, from the seventh week on, no refund.

Refund of Summer Session Fee, six weeks session. Upon written application to the registrar a portion of the summer session tuition is refundable. If the application is made during the first two days of college classes, the total fee paid minus the fee for one unit is refunded. On any other day of the first week, the total fee paid minus the fee for one unit times 65%. Applications made during the second week will be the same as above times 25%.

No refunds are made for two weeks sessions.

PARKING FEES

Nonreserved Spaces

Regular students (over 6 units) per semester $13.00

Limited students (1 to 6 units) will use the coin operated parking gate.

Coin operated parking gate—controlled spaces per admission ..... .25

Fees for portions of a semester and refunds are pro-rated. Information concerning this is available in the College Accounting Office.

VETERANS

Orange County State College is approved by the Bureau of Readjustment Education, State Department of Education, to offer programs to veterans seeking benefits under state and federal legislation. All students seeking veterans benefits must have a degree or credential objective.

Applications for benefits should be filed well in advance of the semester in which the veteran plans to use these benefits in order to have the authorization at the time of registration.

P. L. 550

Application. If the veteran has attended an institution under P. L. 550 benefits before: Through the Office of Veterans Affairs at the institution last attended under P. L. 550 benefits, the veteran must file an Application for Change of Place of Training (VA form 1995).

If the veteran has *not* attended an institution under P. L. 550 benefits before: The application forms may be obtained from the Veterans Adviser at OCSC.

Monthly Certification. Each month, the veteran must obtain an *Attendance Report Form* from the veterans adviser. This form must be signed by each of the veteran's instructors on the last class meeting of the month. This signature will verify satisfactory attendance for the month. When completed, the *Attendance Report Form* must be returned to the veterans adviser and the veteran must sign the IBM certification card that is forwarded to the VA. The *Attendance Report Form* must be returned to the veterans adviser on or before the 5th of the month to ensure receiving the subsistence check on time.

Subsistence Checks. The subsistence check should be received on the 20th of the month following the month of certification. Under no circumstances should this check be cashed if the amount is more than the veteran should have received. An overpayment accepted by the veteran will cause an indefinite delay or loss of future benefits. If the check has not been received by the end of the month following the month of certification, the veteran should notify the veterans adviser at OCSC.

Change of Status. The veterans adviser at OCSC must be notified immediately of any change of address, major, unit load, number of dependents or any other change of status which may affect benefits.

Unit Load and Subsistence

Units	*Load*	*Single*	*1 Dependent*	*2 Dependents*
14 or more	Full	$110	$135	$160
10 to 13	¾	$ 80	$100	$120
7 to 9	½	$ 50	$ 60	$ 80
1 to 6	Less than ½	Fees in monthly subsistence form (total for monthly payments equals amount of fees by the end of the semester).		

Cal Vet

Application. If the veteran has attended an institution under Cal Vet benefits before: Obtain the IBM card authorization for training from the Office of Veterans Affairs at the last institution attended under Cal Vet benefits. This IBM card must be filed with the veterans adviser at OCSC.

If the veteran has *not* attended an institution under Cal Vet benefits before: The application forms may be obtained from the veterans adviser at OCSC.

Payment of Fees. If the veteran has filed his IBM authorization card with the veterans adviser at OCSC prior to or at registration, the fees will be paid by the State. If the veteran files the IBM authorization card *after* registration, he may receive a check to cover the fees upon direct application to Cal Vet. The application for refund may be obtained from the veterans adviser.

Maintenance Allowance. If the veteran is registered for a full load (12 semester units) at OCSC, he may receive approximately $50 a month from Cal Vet as a maintenance allowance.

Enrollment Attendance Certificate. When the veteran registers, he must complete an enrollment certificate. He must fill out an attendance certificate on the 15th of each month only if he is receiving the maintenance allowance.

Veterans Attending Under Other State or Federal Legislation. Veterans anticipating attendance at OCSC under other state or federal legislation should see the veterans adviser for further information.

Dependents of Disabled or Deceased Veterans. Dependents of disabled or deceased veterans should see the veterans adviser for information concerning state and federal legislation which provides for the waiver of fees or for educational benefits.

COUNSELING AND TESTING

Educational, vocational, and personal counseling, other than academic advisement, is available at all times at the Counseling Center, and through the Dean of Students. Students are encouraged to discuss matters of concern which affect their ability to do college work and to function effectively as a person. Occupational and educational information, including job descriptions of most major occupations, college catalogs, and military information, is also available. This may be used in the office or checked out.

Under the direction of the Test officer, standardized tests are administered to assist the student and adviser in making decisions concerning vocational objectives, class placement, and entrance into teacher training. These tests are normally taken previous to entrance into college. Information concerning results is provided through academic advisers and in the Counseling Center.

Program Advisement

All students working for a degree or a credential are assigned an adviser in their major field. In addition, those students working for a credential are assigned a professional adviser in the Division of Education and Psychology. Ordinarily, students are notified of this assignment at the time of admission or previous to registration. During the advisement periods, students will consult with their adviser concerning

program plans. The assignment of advisers and the coordination of advisement is handled through the Counseling Center. Students who need assistance in deciding on a major or who desire to change majors should consult the Counseling Center.

Advisement for Students Seeking a Credential

Information concerning the different credential programs is available in the Office of Admissions and the Division of Education and Psychology. Every student seeking a credential should secure the appropriate pamphlet describing the program he plans to follow. For further information, he should see his professional adviser in the Division of Education and Psychology or the Counseling Center.

Remedial Work

Students whose scores in the college testing program indicate the need for a basic review of fundamentals in certain subject areas may be required to take remedial work as a condition of their continuance in college for a second semester. Since no remedial courses are offered at the upper division level, arrangements have been made with the junior colleges in the area to provide such courses. Information on remedial courses will be made available at the Counseling Center, the Office of Admissions, and the Division of Education and Psychology. Concurrent enrollment must be approved by the Office of Admissions.

Scholarships and Loans

Orange County State College is a participant in the program resulting from the National Defense Education Act of 1958. By this legislation, loan funds have been made available to college students by both the federal and the state governments.

In general, the following conditions must be met for a student to qualify for a loan:

1. He must be a citizen of the United States or an American national.
2. He must be in good standing at the college.
3. He must be a full-time student, carrying a minimum of 12 units at OCSC.
4. He must demonstrate financial need.
5. He must submit a loan application which includes a budget, personal data, parents' financial status (if the student is under 21 years of age), and at least two references.

The loan is to assist the student to remain in college and complete his education. Funds are not granted for the purchase of new automobiles, homes, for paying off accumulated debts, or for non-college related expenses. The student is required to sign a promissory note for repayment of the loan and an oath of allegiance to the United States. The principal amount of the loan must be repaid to the college beginning one year after the borrower ceases to be a full-time student. By law, interest is 3 percent per annum and is not charged until repayment begins. The borrower has 10 years to complete payment. Full-time elementary or secondary school teachers, not including junior college instructors, are entitled to a 50 percent forgiveness of the principal.

Application should be made in the office of the Associate Dean of Students, Counseling and Testing. No deadline for applying has been set and a student may apply at any time during the semester that an urgent need becomes apparent. Loans are usually granted on a semester basis, and a student would normally be expected to apply not more than once each semester.

Information concerning other scholarships, which will be made available from time to time, will be supplied at the Counseling Center.

In addition to the federal loans, small emergency loans can also be made for a short duration. Gifts for scholarship purposes have been given to the college and will be awarded for the first time this year. All loan funds are handled by the Orange County State College Foundation, and gifts may be addressed to the Foundation.

STUDENT ACTIVITIES

The faculty of the college recognizes the important role of student activities in the growth and development of young people in our society. The scope of the activities program includes areas of interest to both day and evening students attending the college. Every student is encouraged to participate in as many activities as his free time allows.

All registered students are members of the Associated Students of Orange County State College. The governing body of the Associated Students is the Student Council which meets weekly to initiate, organize, and administer the student government program. The Student Council is responsible for the disbursement of student body fees for such activities as student publications, intercollegiate athletics, intramural athletics, forensics, music, social affairs, and student body organizations.

Student Organizations

Student organizations are encouraged and aided by the college whenever students express a need for activities which will add to the educational opportunities of the college. Organizations presently on campus are: Associated Women Students, Delta Chi Delta (social sorority), Delta Tau Upsilon (social fraternity), International Relations Club, Inter-Varsity Christian Fellowship, Newman Club (Catholic), Oracles (men's service), Orange State Education Association, Sigma Phi Omega (social fraternity), Ski Club, Society for the Advancement of Management, Young Republicans, and Zeta Phi Lambda (social sorority).

Student Publications

The weekly college newspaper, *The Titan Times*, and the Yearbook, *The Titan*, are products of the journalism classes. A student handbook and a literary magazine are presently being considered for campus distribution.

Athletics

A year-round program of intramural athletics includes flag-football, softball, tennis, golf, volleyball, basketball, and other sports. Participation by students and faculty is encouraged. Intercollegiate athletics consist of teams in cross-country, basketball, tennis and golf. Of outstanding note is the basketball team which is garnering national recognition for its exceptional athletic achievements. Under the tutelage of Coach Alex Omalev, the Titan team won four tournament championships early in the 1961-62 season. Home games are played in the Fullerton Junior College gymnasium. As an independent in athletics, the College is afforded flexibility in scheduling athletic contests with many colleges and universities on the West Coast.

In the spring of 1960, a group of Orange County citizens organized a Boosters Club to help foster wholesome intercollegiate athletic competition at Orange County State College. Its members are dedicated to the encouragement of a sound program of athletics and are contributing financially and by way of enthusiasm to helping to develop a first-rate athletic program based on a well-rounded concept of the relationship between sports and academic achievement.

Alumni

During 1961, the Alumni Association was formed to keep the graduates informed of activities and development of the college and to provide communication among the members of the Association. The yearly Homecoming is the high point of alumni activities.

Other Activities

Each semester the Music Department presents choral and instrumental performances open to the members of the college and community. The Speech and Drama Department produces one-act plays in addition to a regular three-act play each semester. The Forensics team has an active program and participation and achievements have been very successful.

STUDENT HEALTH

The Student Health Center is located in building 1400 and is open from 8:30 a.m. until 4:30 p.m. Under the direction of the College Physician, emergency treatment is available and health examinations for credential purposes are given. Also an immunization program is offered. Any student requiring follow-up medical care as recommended by their personal physician may obtain such services through the Health Center. A panel of consulting specialists has been established and its members utilized according to specific needs. At the time of application for admission, a health history form is completed which is filed in the Health Center where all student health records are kept. Students requiring credential examinations may have them completed by their own physicians if desired. Otherwise, appointments for this purpose may be made in the Student Health Center.

HOUSING

No residence halls will be constructed on the college campus for some years. However, a list of rooms and apartments in the community has been prepared by the office of the Associate Dean of Students, Activities, and those who wish to live away from home may inquire there for suggested lodging.

PLACEMENT OFFICE

The Placement Office serves the student during his college years as well as after graduation. Assistance in securing part-time employment, needed by many students to complete their education, is given by this office. Students wishing such part-time work, either on or off campus, are asked to register for such employment at the beginning of each semester.

Students completing their college work are eligible for placement help in finding a career and full-time employment. Placement Office service in this area includes providing job information, and helping the student establish confidential employment resumés and files.

Alumni may also use the service of the Placement Office, if and when they desire a change in employment.

CURRICULA OFFERED

Orange County State College has been authorized to offer the following degree programs. A full description of each major degree program appears later in this catalog.

B.A.–Art
B.A.–Biological Science
B.A.–Business Administration
B.A.–Chemistry (Planned for 1963-64)
B.A.–Economics
B.A.–English
B.A.–Geography
B.A.–History
B.A.–Humanities
B.A.–Language Arts
B.A.–Mathematics
B.A.–Music
B.A.–Physics
B.A.–Political Science
B.A.–Psychology
B.A.–Speech
B.A.–Social Sciences
B.A.–Sociology (Planned for 1963-64)

Courses of study are organized into six instructional divisions of the college: Business Administration and Economics, Education and Psychology, Fine and Applied Arts, Humanities, Science and Mathematics, Social Sciences. These courses are listed below by subject-matter field and instructional divisions:

Courses	*Divisions*
Accounting	Business Administration and Economics
Art	Fine and Applied Arts
Biological Science	Science and Mathematics
Business Education	Business Administration and Economics, Education and Psychology
Chemistry	Science and Mathematics
Comparative Literature	Humanities
Economics	Business Administration and Economics
Education–Administration and Supervision	Education and Psychology
Education–Elementary	Education and Psychology
Education–Foundations	Education and Psychology
Education–School Services	Education and Psychology
Education–Secondary	Education and Psychology
English	Humanities
Finance	Business Administration and Economics
French	Humanities
Geography	Social Sciences
German	Humanities
Health, Physical Education, and Recreation	Education and Psychology
History	Social Sciences
Journalism	Humanities
Language Arts	Humanities, Fine and Applied Arts
Management	Business Administration and Economics
Marketing	Business Administration and Economics
Mathematics	Science and Mathematics
Mathematics Education	Science and Mathematics, Education and Psychology
Music	Fine and Applied Arts
Music Education	Fine and Applied Arts, Education and Psychology
Philosophy	Humanities
Physics	Science and Mathematics
Political Science	Social Sciences
Psychology	Education and Psychology

Courses	*Divisions*
Quantitative Methods	Business Administration and Economics
Russian	Humanities
Science Education	Science and Mathematics, Education and Psychology
Social Sciences	Social Sciences
Social Science Education	Social Sciences, Education and Psychology
Sociology	Social Sciences
Spanish	Humanities
Speech	Fine and Applied Arts

GENERAL COURSE NUMBERING CODE

1- 99 Courses which carry no credit toward a degree or a credential
100-299 Lower division courses of freshman and sophomore level, but open also to upper division students
300-499 Upper division courses of junior and senior level
500-599 Graduate courses limited to graduate students

NOTE: The figure in parentheses following each course title indicates the number of semester units. The F and S (abbreviations for Fall and Spring) after the parentheses indicate when a course is offered.

PREREQUISITES

Students are expected to meet stated prerequisites for all courses. However, in exceptional cases, and at the discretion of the division in which the course is taught, students may be allowed to meet prerequisites by examination.

DIVISION OF BUSINESS ADMINISTRATION AND ECONOMICS

Professors: Smith (Chairman), Carr, Tull, Wiseman
Associate Professors: Barres, Li, Roberts
Assistant Professors: Fyfe, Graves, Pontney

Through a study of the various theoretical and practical business policies and procedures, the Division of Business Administration and Economics seeks to afford a basic education for managerial and professional positions in business, government, and education. Although emphasis is given to theory, factual content which is essential in specific vocations such as accounting, economics, finance, marketing, management, and business education is provided to enable students to enter apprenticeships in these fields with the expectation that their education should expedite their progress, either to managerial positions or to staff positions as professional accountants, economists, educators, and marketing and business consultants.

In our ever-expanding, complex society, the managers of tomorrow must be men and women with breadth of understanding and vision. Students who concentrate in a special area are encouraged to elect courses in other divisions of the college, particularly in the areas of the behavioral, social, and political sciences, and foreign languages. It is assumed that the first half of their college work toward a bachelor's degree represents a required basic education in communication, mathematics, a laboratory science, social science, and the humanities. With the broadening of our cultural and business horizons, it is desirable to become increasingly better versed in the language of our neighbors, Spanish, and in such languages as French, German, and Russian. Since the understanding of mathematics is becoming increasingly important in business and the social sciences, students who contemplate enrollment in either business administration or economics are encouraged to take college algebra and calculus as preparatory subjects.

For 1962-63, college algebra, or three years of high school mathematics including a second course in algebra, will be a prerequisite for entrance to the program.

If credits for either or both elementary accounting and principles of economics have not been earned, it will be necessary to enroll in these courses the first semester of the junior year.

Students enrolled in the division and working toward a college degree are subject to the general requirements of the college as to courses and credit hours required for graduation.

In the junior and senior years, in addition to completing the general requirements of the college and the core courses required in business administration or economics, a student must complete one of the following fields of concentration: Accounting, Business Education, Business Economics, Finance, Management, Marketing.

The outlined programs lead to a Bachelor of Arts degree in either Business Administration or Economics. Students majoring in Business Education must meet the requirements of the Division of Business Administration and Economics and the Division of Education and Psychology as outlined in the catalogue.

Candidates for the bachelor's degree in the Division of Business Administration and Economics are required to earn not less than 62 semester credit hours in areas other than business administration and economics. For a degree in business administration or economics, at least 50 semester credit hours in the Division are required, including the core courses.

BACHELOR OF ARTS DEGREE IN BUSINESS ADMINISTRATION AND ECONOMICS

Core: Business administration and economics courses required of all students majoring in business administration.

Course	*Units*
Accounting 200 Elementary Accounting	5
Economics 300 Principle of Economics	5
Economics 321 American Economic History	3
Finance 332 Business Finance	3
Management 341 Principles of Management	3
Management 346 Business Law	3
Management 449 Business Policies *	3
Marketing 351 Principles of Marketing	3
Quantitative Methods 361 Business and Economic Statistics	3
Total	31

* Those students taking Business Economics as their area of concentration will take Econ. 401—Government and Business—in lieu of Mgmt. 449—Business Policies.

Core: Business administration and economics courses required of all students majoring in economics.

Course	*Units*
Accounting 200 Elementary Accounting	5
Economics 300 Principles of Economics	5
Economics 321 American Economic History	3
Economics 324 Money and Banking	3
Quantitative Methods 361 Business and Economic Statistics	5
Total	21

AREAS OF CONCENTRATION FOR MAJORS IN BUSINESS ADMINISTRATION

A student in business administration should select an area of concentration by the second semester of the junior year and plan to take the required courses in the area.

	Units
Accounting	
301 Intermediate Accounting	4
302 Cost Accounting	3
305 or 308 Auditing or Federal Income Tax	3
401 or 303 Advanced Accounting or Governmental Accounting	3
Business Economics	
302 Intermediate Economic Analysis	3
303 Intermediate Economic Analysis	3
402 Monetary and Fiscal Policy	3
Management 446 Managerial Economics	3
Finance	
Accounting 304 Managerial Accounting	3
Economics 324 Money and Banking	3
432 Investment Principles & Practices	3
433 Problems in Finance	3
Management	
342 Production Management	3
343 Personnel Management and Human Relations	3
444 Motion and Time Study	3
446 Managerial Economics	3

Marketing		*Units*
353	Marketing Administration	3
354	Principles of Advertising	3
451	Marketing Problems	3
452	Market Research	3

BUSINESS EDUCATION

The requirements for Secondary Credential Certification in Business Education are set forth in Article 13, Title 5, pages 144-145, of the California Administrative Code. See Division of Education and Psychology listings for other credential requirements.

Required Courses	*Units*
Principles of Economics	5–6
Typewriting	2
Principles of Accounting	5–6
Business Law	3
Principles of Management	3
Business Mathematics or Business Communications	3
Economic Geography	3
Principles of Marketing	3
Total	27–29

An additional 20 semester hours of work in two fields of concentration, one of which must be Accounting or Secretarial training:

(1) Accounting field. A minimum of eight semester hours including a course in business machines, and such other courses as: advanced accounting, cost accounting, auditing, income tax accounting.

(2) Secretarial training field. A minimum of eight semester hours including shorthand and transcription, business machines, advanced typewriting, and filing.

(3) Merchandising field. A minimum of eight semester hours including marketing, and such other courses as marketing problems, retailing, market research, salesmanship and advertising.

(4) Business management. A minimum of eight semester hours including such courses as business finance, statistics, real estate, insurance, foreign trade, transportation, advanced management, personnel and labor relations, and advanced business law.

MAJOR IN ECONOMICS

The economics major is designed to prepare students for positions in business, education, and government, and for graduate work in economics and related disciplines.

In addition to the core courses in economics listed, the student must complete the following course requirements:

Economics		*Units*
302	Intermediate Economic Analysis	3
303	Intermediate Economic Analysis	3
401	Government and Business	3
402	Monetary and Fiscal Policy	3
	Six hours of electives (which may be outside the Division of Business Administration and Economics) to be approved by the student's major adviser	6
	Total	18

MINOR IN ECONOMICS

A minor in Economics may be achieved by taking the following courses:

Economics		Units
300	Principles of Economics	5
302 or 303	Intermediate Economic Analysis	3
321	American Economic History	3
401 or 402	Government and Business or Monetary and Fiscal Policy	3
403	Comparative Economic Systems	3
	Elective	3
	Total	20

BUSINESS ADMINISTRATION AND ECONOMICS COURSES

ACCOUNTING

200. Elementary Accounting (5) F

Accounting concepts and techniques essential to the administration of a business enterprise; analyzing and recording financial transactions; preparation of financial statements; analysis and interpretation of financial statements; introduction to manufacturing accounts and reports.

300G. Accounting Fundamentals (3) F, S. (Open ONLY to students with at least a bachelor's degree.)

Prerequisite: None. The basic fundamentals of accounting as they apply to the accumulation, organization, and interpretation of financial and quantitative data relevant to the activities of the corporate business enterprise.

301. Intermediate Accounting (4) F

Prerequisites: Accounting 200, corequisite: Finance 332. The quantification, recording, and presentation of balance sheet and income statement items with particular emphasis on the corporate type of organization; statement of application of funds; cash flow statement; basic concepts of accounting theory; interpretation of financial statements.

302. Cost Accounting (3) S

Prerequisite: Accounting 200. The development of accounting information for management of manufacturing enterprises; cost records; cost behavior and allocation; standard costs; and an introduction to cost control.

303. Governmental Accounting (3) F

Prerequisite: One course in Accounting. A consideration of the accounts and reports of non-profit institutions, municipalities, state and federal governments; organization, procedures, budgets.

304. Managerial Accounting (3) F, S

Prerequisite: Accounting 200. This course is intended for students whose area of concentration is not accounting. Analysis, interpretation, and application of accounting information for managerial decision-making; budgets and budgetary control; special-purpose reports; differential cost analyses.

305. Auditing (3) S

Prerequisites: Accounting 301, 302. Nature of an audit, auditing standards and procedures, audit reports; professional ethics and responsibilities of the independent public accountant; introduction to internal auditing.

307. Distribution Costs (3) S

Prerequisites: Marketing 351, Accounting 200. The development of quantitative measures for marketing activity. The costs of distributing through different channels of distribution, advertising vs. personal selling, and movement activities. The development of sales budgets, standard costs, and the analysis of actual performance in the light of budgets and standards.

308. Federal Income Tax (3) F

Prerequisite: Accounting 200. Basic consideration of the history, theory, and accounting aspects of federal income taxation.

401. Advanced Accounting (3) S

Prerequisite: Accounting 301. A study of partnerships, statements for special purposes, receiverships, consolidated financial statements, branch accounting and foreign exchange.

403. C.P.A. Problems and Review (3) S

Prerequisites: Accounting 305, 401, or consent of the instructor. Selected problems and questions as found in the Uniform C.P.A. Examination; preparation, analysis and revision of financial statements; assets, liabilities and ownership equities; income determination; cost accounting; governmental and institutional accounting; accounting theory; auditing and ethical considerations as they relate to management, stockholders, and the public.

405. Industrial Accounting (3) F

Prerequisite: One course in Accounting. This course is intended for those students whose area of concentration is not accounting. Accounting information for industrial management; elements of manufacturing cost; cost systems; standard costs; costs reports; distribution cost analysis.

406. Cost Control (3) S

Prerequisite: Accounting 302 or 405. A study of current and persistent problems in cost accounting; theories of cost allocation and absorption; flexible budgeting; responsibility accounting; and distribution cost control.

408. Integrated Data Processing Systems (3) S

Prerequisites: Senior standing, and the consent of the instructor. A survey of integrated systems for the collection, processing, and transmission of information; management aspects of the information service function; feasibility studies; introduction to programming; case studies of operating systems.

498. Independent Study (3) F, S

Prerequisites: Senior standing and an overall 3.25 grade average. Open to qualified undergraduate students desiring to pursue directed independent inquiry.

501. Administrative Accounting (3) (Planned for 1963-64)

Prerequisites: Accounting 405, Finance 332, or consent of the instructor. Accounting, financial, and other quantitative data for managerial decision-making; long-term and short-term profit planning; budgetary control; cost analyses and special reports; financial analyses and planning; the financial and taxation aspects of business decisions.

ECONOMICS

200. Principles of Economics (5) F

An introduction to the principles of economic analysis and policy including the central problem of scarcity, basic economic institutions of the United States, resource allocation and income distribution, economic stability and growth, and the role of public policy.

301. Economic Issues (3) F, S

A study of the basic economic problems facing the United States. Economic stability and growth, problems of business-labor-farm behavior, income distribution, and the appropriate role of government in a free enterprise economy. Designed for students not majoring in Business Administration or Economics.

302. Intermediate Economic Analysis (3) F

Prerequisite: Economics 200. A theoretical formulation of the principles of the determination of prices and output of goods and productive services in a market system.

303. Intermediate Economic Analysis (3) S

Prerequisite: Economics 200. A theoretical formulation of the principles of the determination of the level and fluctuations in real and money national income, and the forces underlying economic growth.

321. American Economic History (3) F, S

Prerequisite: Economics 200 or consent of the instructor. The evolution of American economic institutions and their relation to the development of industry, commerce, transportation, and finance.

322. European Economic History (3) F

Prerequisite: Consent of the instructor. The evolution of European economic institutions and their relation to the development of industry, commerce, transportation, and finance in the principal European countries.

324. Money and Banking (3) F, S

Prerequisite: Economics 200. A study of the structure and operation of commercial banks and financial institutions including a consideration of the impact of money and capital market developments on economic activity.

326. Labor Economics (3) F

Prerequisite: Economics 200. An analysis of the basic economic influences operating in labor markets: Impact of productivity and labor market organization on resource allocation, income distribution, economic stability, and growth.

401. Government and Business (3) S

Prerequisites: Economics 200, 302, or consent of instructor. A study of business organization, conduct and performance followed by an analysis of the rationale and impact of public policy on various segments of business and business activities, including the regulated industries and antitrust policy.

402. Monetary and Fiscal Policy (3) F

Prerequisites: Economics 200, 302. A study of the techniques of monetary and fiscal policy and an appraisal of their relative roles in promoting economic stability and growth.

403. Comparative Economic Systems (3) F, S

Prerequisite: Economics 200, 301, or consent of the instructor. An analytical comparison of unplanned and planned systems of economic organization as to their theoretical foundations, existing economic institutions, and achievements and failures; capitalism, socialism, communism, and fascism will be examined as exemplified by the United States, England, Russia, and prewar Germany.

404. The Soviet Economy (3) S

Prerequisite: Consent of the instructor. An analytical evaluation of Soviet economic development including the structure and performance of the Soviet economy and problems of planning and control.

405. History of Economic Thought (3) S

Prerequisites: Economics 302, 303. A study of the development of economic thought as reflected in the evolution of major schools of thought and of leading individual economists as they influenced economic thought and policy.

421. International Trade (3) F

Prerequisite: Economics 200. An examination of the theory of international trade and the means and significance of balance of payments adjustments, with an analysis of past and present developments in international commercial and monetary policy.

451. Economics of Taxation (3) S

Prerequisite: Economics 300 or consent of the instructor. A study of government finance at the federal, state, and local levels with particular reference to administrative problems of public finance, the ethical aspects of taxation, and the impact of taxation and spending on resource allocation and income distribution.

452. Economics of Location (3) S

Prerequisite: Economics 200. The theory and principles underlying the location of economic activity.

498. Independent Study (3) F, S

Prerequisites: Economic concentration, senior standing, and an overall 3.25 grade average. Open to qualified undergraduate students desiring to pursue directed independent inquiry.

510. Competition, Monopoly and Public Policy (2) S

Prerequisites: Economics 200, 301, or Economics 302. Examines the economic implications of various forms of market structure and business conduct and considers the application of public policy to various segments of business and business activities, including antitrust policy and regulation of business.

511. Economic Problems and Public Policy (3) (Planned for 1963-64)

Prerequisites: Economics 200, 301, or Economics 303. An examination of the nature and implication of the major economic problems facing the economy and an evaluation of current and alternative policies for their solution. Problems considered will include price level stabilization, balance of payments equilibrium, economic growth, and cyclical and technological unemployment.

FINANCE

332. Business Finance (3) F, S

Prerequisite: Accounting 200. Types of business organizations, their sources and uses of long-term and short-term capital, and analysis of business finance situations.

324. Money and Banking (3) F, S

Prerequisite: Economics 300. A study of the structure and operation of commercial banks and financial institutions including a consideration of the impact of money and capital market developments on economic activity. (Same as Econ. 324)

334. Principles of Insurance (3) S

Prerequisites: Economics 300, and Quant. Meth. 361. The principles of life, health and accident, liability and social insurance, property and business insurance, and methods of establishing risks and rates.

336. Principles of Real Estate (3) S

Prerequisite: Economics 300. The survey of urban real estate theory and practice; structure and growth of cities; basis of real estate values; zoning for commercial, industrial, and residential areas; financing of real estate transactions.

431. Investment Banking (3) (Planned for 1963-64)

Prerequisite: Finance 332. The role of investment banking in the American economy; the relationship of investment banking to other financial institutions; regulation of investment banking and the securities markets.

432. Investment Principles and Practices (3) F

Prerequisite: Finance 332. Principles underlying the selection and management of portfolios. Analysis of different types of corporate securities—commercial, industrial, and public utility; the role of mutual funds and investment trusts. Special consideration is given to investment purposes and objectives.

433. Problems in Finance (3) (Planned for 1963-64)

Prerequisite: Finance 332 or 432, or consent of the instructor. Case studies of problems in the financing of the firm; organization, acquisition, mergers, consolidation, and dissolution; consideration and evaluation of alternative sources of capital of the going concern.

MANAGEMENT

341. Principles of Management (3) F, S

Prerequisite: Economics 200. The fundamentals of management universal to all organizations; covers such studies as planning, organizing, activating, and controlling.

342. Production Management (3) F, S

Prerequisite: Management 341. The study of modern manufacturing and its methods of operation. Major emphasis is placed upon the efficient use of management, labor, and productive equipment.

343. Personnel Management and Human Relations (3) F

Prerequisite: Management 341. An inquiry into the problems of personnel relating to the firm, community, and economy; the importance of good human relations; and management's responsibilities in the efficient direction of personnel.

346. Business Law I (3) F, S

The philosophy, institutions and role of the law as it applies to business operations. A course designed to provide the student with on understanding of the scope and extent of basic subjects in the area of business law as well as a knowledge of the operation, function, and structure of courts and administrative agencies. Analysis of the areas of contracts, agency, sales, and personal property with emphasis upon the principles involved and the conditions requiring professional legal advice.

347. Business Law II (3) S

Prerequisite: Bus. Law I. The philosophy, institutions and role of the law as it applies to business operations. Analysis of the areas of bailments, sales, negotiable instruments, patents, employment relations, and business organizations. Law in its relationship to business with special emphasis on current problems.

441. Labor-Management Relations (3) F

Prerequisite: Management 341 or consent of the instructor. The course provides an understanding of the impact of labor-management relations upon labor, management, and the public. Proper grievance procedure, collective bargaining, and the settlement of disputes are among the subjects that are examined.

442. Labor Law (3) S

Prerequisites: Management 341, and consent of the instructor. The history of labor law, the investigation of federal and state legislation, and its effects upon American society.

444. Motion and Time Study (3) S

Prerequisites: Management 341, 342. The fundamentals of motion and time study as applied to modern work simplification, the reduction of waste and inefficiency, and the responsible consideration of the employee.

445. Production Control Analysis (3) F

Prerequisite: Mgt. 341, introductory calculus, statistics, and a course in economic principles. The quantitative analysis of production and quality management related to such areas as mathematical programming, statistical analysis, and economic analysis.

446. Managerial Economics (3) F, S

Prerequisite: Economics 200, and consent of the instructor. The application of economic analysis to the solution of business problems; the character of the firm's demand, costs, prices, and profits; short and long-run planning for a business enterprise; and the relationship between the firm and the economy.

449. Seminar in Business Policies (3) F, S

Prerequisites: Accounting 200, Finance 332, Management 341, and Marketing 351, and senior standing. The course is generally limited to seniors and graduate students. An integrative course examining various problems in the several fields of management. Through analysis of cases and problems, the student is encouraged to recognize the usefulness of other disciplines than business, as well as the role of individual and team action in the decision-making process.

498. Independent Study (3) F, S

Prerequisites: Management concentration, senior standing, and an overall 3.25 grade average. Open to qualified undergraduate students desiring to pursue directed independent inquiry.

544. Organizational Behavior, Theory, and Administration (3) S

Prerequisite: Management 341. The analysis of human behavior in organization including studies in classical theories of management, status, motivation, conflict, and administrative action.

MARKETING

307. Distribution Costs (3) S

Prerequisites: Marketing 351; Accounting 200. The development of quantitative measures for marketing activity. The costs of distributing through different channels of distribution, advertising versus personal selling, and movement activities. The development of sales budgets, standard costs, and the analysis of actual performance in the light of budgets and standards. (Same as Accounting 307)

351. Principles of Marketing (3) F, S

Prerequisite: Economics 200. Marketing organization and methods for the individual business with serious consideration of the social and economic aspects of the distribution task. Topics include the consumer, his place and his problems in the marketing area; marketing functions, institutions, and policies; legal and political environment for marketing activity; and an evaluation of the present marketing system.

352. Principles of Retailing (3) F

Prerequisite: Marketing 351. Retail problems of location; organization; buying; selling media and methods; pricing; and merchandising. Emphasis will be placed upon operating procedures and control, planning, budgeting, and costs.

353. Marketing Administration (3) F, S

Prerequisite: Marketing 351. Survey of the major problems facing the marketing executive, including product planning, pricing, market analysis, sales potentials, marketing organization, and administration of the sales force.

354. Principles of Advertising (3) S

Prerequisite: Marketing 351. The management of the advertising function, including the role of advertising in marketing strategy, budgetary considerations, allocation among media, measurement of effectiveness, administration and control, and its economic and social implications.

355. Credit and Credit Administration (3) F

Prerequisite: Marketing 351. The general nature and functions of credit, credit instruments; the operation of the credit department; sources of credit information; acceptance of credit risk; establishment of credit limits; and the problem of collections.

356. Creative Motivation (3) S

Prerequisite: Marketing 351. Personal salesmanship and the application of the findings of the behavioral sciences to selling and group dynamics as they relate to the creative and promotional aspects of the business.

421. International Trade (3) F

Prerequisite: Economics 200. An examination of the theory of international trade and the means and significance of balance of payments adjustments, with an analysis of past and present developments in international commercial and monetary policy. (Same as Economics 421)

451. Marketing Problems (3) F, S

Prerequisite: Marketing 351. It is recommended that the student have completed at least two advanced marketing courses or have equivalent business experience. Case studies of problems facing the marketing executive; identification and analysis of the problems; selection and evaluation of alternative solutions; and implementation of recommended solutions.

452. Market Research (3) S

Prerequisites: Marketing 351, and Quant.Meth. 361. The application of scientific methodology as an aid in solving problems of product planning, pricing, promotion, and distribution. Practical application is emphasized through class projects and case problems.

498. Independent Study (3) F, S

Prerequisites: Marketing concentration, senior standing, and an overall 3.25 grade average. Open to qualified undergraduate students desiring to pursue directed independent inquiry.

552. Product Planning and Price Policy (3) F

Prerequisite: Marketing 351. The product planning problem and its implications for the marketing area and other areas of the business. An examination of pricing problems and objectives and policies for solution and implementation.

553. Marketing to the Government (3) S

Prerequisite: Marketing 351. The marketing of defense and non-defense products to the government. The nature and administration of contractual agreements with government agencies.

QUANTITATIVE METHODS

361. Business and Economic Statistics (3) F, S

Prerequisite: Mathematics 120 or equivalent. The collection, analysis and presentation of statistical data; theory of probability, sampling, experimental method, correlation, time series and index numbers, and their application to business and economic problems.

364. Computer Logic and Programming (3) F

Prerequisite: College algebra or equivalent. An introduction to computer logic including elements of symbolic logic and number systems; programming methods and techniques.

461. Advanced Statistics (3) F

Prerequisites: Math. 150B or equivalent, Quant.Meth. 361. An advanced treatment of the theory and application of the topics covered in Quant.Meth. 361, using the methods of the calculus where appropriate.

462. Mathematical Models in Business and Economics (3) S

Prerequisites: Math. 120, Quant.Meth. 361, and Math. 150A. The construction and application of mathematical models to business decisions and economic analysis.

463. Statistical Decision Theory (3) S

Prerequisite: Quant.Meth. 361. The application of advanced statistical techniques to the problems of management decision-making under conditions of uncertainty.

560. Operations Research (3) S

Prerequisite: Math 150B or equivalent, or consent of the instructor. An examination of the nature and scope of operations research, its methodology, and applications. Emphasis will be placed on models and model building with applications to selected problems in areas such as transportation, warehousing, inventory control, and marketing.

BUSINESS EDUCATION

442. Secondary School Business Education (2-3) S

Prerequisites: Education 311, admission to teacher education. Principles, methods, and materials of teaching business subjects in secondary schools.

DIVISION OF EDUCATION AND PSYCHOLOGY

Professors: Doane (Chairman), Allen, Beals,* Bridgman, Carr, Denno,* Ehmann,* Hartsig, McComb,* Schmidt
Associate Professors: Croy, Hill, Imhoff, Omalev, Pastor
Assistant Professors: Burke,* Calhoun, Carlson, Cusick, Golden, Holmes, Jones, Kravitz, Spolyar *
Instructors: Bristow,* Marshall

The courses, programs, and services of the Division are directed toward the enlightenment of students regarding human behavior, human development, human learning, the school as a basic institution of our culture, the methods and materials associated with efficient teaching, and the current and persistent problems that confront teachers and educational institutions. In addition to using published source materials and attending class sessions for presentations and discussions, many of the Division's courses require field work in schools and other educational agencies.

The pre-service teacher education programs of the college comprise a balance among studies which provide intellectual breadth, studies which provide intellectual depth, and studies which provide the professional preparation for a career as a teacher. The student who completes a teacher education curriculum is a liberally educated person who is prepared to begin a career as a teacher and who possesses capacity for self-direction in the learning process. The professional education of the teacher spans the years of pre-service preparation and the years of professional service throughout his career; the pre-service segment emphasizes those elements related to the initial years of the career and lays a foundation for continued professional development. Only those students who demonstrate suitable personal, intellectual, and social qualities are admitted and retained in the teacher education curricula.

The in-service teacher education programs of the college are designed to serve immediate and long-range needs of teachers and school systems. A variety of courses is offered to assist teachers to do their jobs better and to find solutions to problems that confront them in their professional work. The resources of the Division are available to school systems for the purpose of making improvements in instructional programs, school administration, pupil personnel practices, and in conducting studies and surveys related to these needs.

The major in psychology is designed for students who (1) desire to prepare for graduate work in psychology, (2) wish to enter fields related to psychology and not requiring graduate work, (3) are pursuing credentials for which a psychology major would be appropriate, (4) desire to extend their liberal education with a concentration in psychology, and (5) plan to enter one of the several professional areas in which a substantial preparation in psychology is essential.

CURRICULA IN PRE-SERVICE TEACHER EDUCATION

Orange County State College offers two pre-service elementary school teacher education curricula and one pre-service secondary school teacher education curriculum. Each curriculum provides for completing all requirements for graduation with the Bachelor of Arts degree at the end of the usual four collegiate years for the student who satisfies the requirements. Each curriculum provides for the completion of all requirements for the proper California State Teaching Credential; the two curricula in elementary school teacher education lead to the General Elementary Credential, and the secondary school teacher education program leads to the General Secondary Credential. The following curricula assume a pre-

* College Administrative Officers

education objective in the lower division or junior college. All curricula provide for completing a minimum liberal arts major, or more, in an academic field of study offered by the College.

The four-year curriculum in elementary school teacher education is a minimal program in general education, academic specialization, and professional education.

The five-year curriculum in elementary school teacher education is an enriched program for the student who wants the opportunity to equip himself for the complex responsibilities of an educated individual, citizen, cultural leader, and professional worker. We believe that the rapid expansion of human knowledge and the complicated culture in which we live have created circumstances for which teachers should have five years of pre-service preparation. The five-year curriculum in elementary school teacher education provides for the breadth of preparation and the intensity of study in one or more academic disciplines that will make for enlightened professional service so necessary for the crucial times in which we live. The student who completes the five-year program is likely to be eligible for a greater professional opportunity and a better initial salary than the student who completes the minimal four-year program.

The five-year curriculum in secondary school teacher education is correlated with the requirements for the General Secondary Credential. The program includes breadth and depth of preparation in liberal arts studies. Thirty units of work are required beyond the Bachelor of Arts degree.

Further details on these curricula are available from the Division of Education and Psychology. The student will need these materials before completing his plans.

FOUR-YEAR CURRICULUM IN ELEMENTARY SCHOOL TEACHER EDUCATION

Lower Division	*Units*
Required Courses	31
Natural Science	9
Social Science	9
Humanities	6
Communication	3
Health and Physical Education	2
Psychology	2
Elective Courses	23–33
Courses in behavioral science, fine arts, humanities, natural science, or social science to diversify the intellectual background toward fulfillment of the goals of liberal education.	
Total Lower Division Units	54–64

Academic Major

Each student will complete a major planned with and approved by his major adviser and his professional adviser. Majors are as follows: art, biological sciences, business administration, economics, English, geography, history, humanities, language arts, mathematics, music, physics, political science, psychology, social sciences, and speech. The composition of these majors is described in other sections of the catalog and is also described in "Regulations and Program Components of the Elementary School Teacher Education Program" available from the College.

Allied Studies

Each student will consult with his professional adviser to plan for the completion of a suitable distribution of studies in courses other than those of his major or professional education.

Professional Education

Semester I *Units*

Block in Psychological Foundations of Education ..... Educ. 311 6

This course is for the regular student who expects to complete the Upper Division requirements in two years. The description of the course will be found on page 64.

With the approval of the professional adviser, students who have completed the major portion of this block may satisfy the remaining requirements by taking the appropriate courses from the following:

Human Growth and Development	Educ. 312	3
Educational Psychology	Psych. 311	3
Principles of Guidance	Educ. 351	2

Semester II

Separate Courses in Methods and Materials of Teaching in the Special Fields ... 6

Elementary School Art	Art 432	2
Elementary School Music	Mus. 432	2
Elementary School Physical Education	P.E. 432	2

Semester III

Block in Elementary School Principles, Curricula, and Methods ..... Educ. 331 8

This course is for the regular student who expects to complete the Upper Division requirements in two years. The course should be taken in the semester preceding student teaching. The description for the course will be found on page 65.

With the approval of the professional adviser, students who have completed the major portion of this block or who are part-time students may satisfy the requirement of this block by taking the following courses:

Principles and Curricula of Elementary Education	Educ. 431	2
Elementary School Reading	Educ. 432R	2
Elementary School Language Arts	Engl. 432	2
Elementary School Arithmetic	Math. 432	2
Elementary School Science	Sci. 432	2
Elementary School Social Studies	Soc. Sci. 432	2
Audio-Visual Methods	Educ. 491	2

Semester IV

Student Teaching in the Elementary Schools and Student Teaching Seminar ..... Educ. 339 10

This course is taken in the last semester of work toward the degree or the credential. The description and prerequisites of the course are shown on page 66.

The Student Teaching requirement may be satisfied by a student who has had two or more years of successful, regular teaching experience; details for this waiver are described on page 63.*

Total Upper Division	60–70
Total Units Required for the Bachelor of Arts Degree	124

(Other requirements are shown in the 1962-1963 catalog.)

* A minimum of 24 units of Education courses must be presented by any applicant for the General Elementary Credential.

FIVE-YEAR CURRICULUM IN ELEMENTARY SCHOOL TEACHER EDUCATION

COMPOSITE OF LOWER DIVISION, UPPER DIVISION, AND POSTGRADUATE WORK

Units

I. Courses for Distribution in Liberal Arts (Minimum) 60*

At least 12 units of the following must be taken from the Upper Division. The remainder may be presented from Lower Division work. The numbers shown below are minimal in each category of distribution.

Oral and Written Communication	5	Physical Education	2
Creative Arts	6	Psychology	3
Health	2	Science; this must include one semester of laboratory courses in each, life science and physical science	12
Literature and Humanities	9	Social Science	12
Mathematics	3		

The balance of courses for the purposes of satisfying the distribution requirement must be taken in the above fields and exclude the major, minor, or professional education.

II. Courses for the Major

Each student will complete a major planned with and approved by his major adviser and his professional adviser. Majors are as follows: art, biological sciences, business administration, economics, English, geography, history, humanities, language arts, mathematics, music, physics, political science, psychology, social sciences, and speech. The composition of these majors is described in "Regulations and Program Components of the Elementary-School Teacher Education Program," available from the College.

III. Courses for the Minor

Each student will complete a minor planned with and approved by his major adviser and his professional adviser.

IV. Courses for the Pre-Service *Professional Education* of the Elementary School Teacher. (Minimum) 32

The details of this segment of the teacher education program will be described in a publication available from the Division of Education and Psychology.

V. *Elective* Courses

Minimum units required to complete the curriculum leading to the General Elementary Credential 154*

The Bachelor of Arts degree may be conferred at the end of four years if requirements shown in the OCSC catalog for 1962-63 are completed. The student is expected to fulfill all institutional and statutory requirements bearing upon the elementary school teacher education program and the General Elementary Credential.

* Includes Lower Division, Upper Division, and Postgraduate work.

CURRENT CURRICULUM IN SECONDARY SCHOOL TEACHER EDUCATION

COMPOSITE LOWER DIVISION, UPPER DIVISION AND GRADUATE WORK

Units

Courses for Distribution in Liberal Arts 50*

At least 9 of the 50 required units of the following must be taken from the Upper Division; the remainder may be presented from the Lower Division:

Area I: ..... 12 units*

Communication
Fine Arts
Humanities
Literature

(Minimum of six units in practical arts and fine arts.)
(Minimum of six units in communicative arts.)

Area II: ..... 12 units*

Life Science
Mathematics
Physical Science
Psychology

(Minimum of six units in science and mathematics.)

Area III: ..... 12 units*

Anthropology
Economics
Geography
History
Political Science
Sociology

Area IV: ..... 2 units*

Health
Physical Education

Electives for diversification from Areas I, II, and III, and excluding the major and minor ..... 12 units

Courses for the Liberal Arts Major 36*

A maximum of 12 units of Lower Division work may be counted toward the major. The major must include a minimum of 6 units of postgraduate work.

Each student will complete a major planned with and approved by his major adviser and his professional adviser. Majors are as follows: art, biological sciences, business administration and economics, chemistry, economics, English, geography, history, humanities, language arts, mathematics, music, physics, political science, psychology, social sciences, sociology, and speech and drama; other majors are being developed and will be available to students. The composition of these majors is described in "Regulations and Program Components of the Secondary School Teacher Education Program," available from the college.

Courses for the Liberal Arts Minor 20*

A maximum of 12 units of Lower Division work may be counted toward the minor.

Each student will complete a minor planned with and approved by his major adviser and his professional adviser. Minors include: biological science, English, journalism, language arts, mathematics, music, social science, and speech; other minors are being developed and will be available to students. The composition of these minors is described in "Regulations and Program Components of the Secondary School Teacher Education Program," available from the college.

Courses for the Pre-Service Professional Education 24*

Regular Pre-Service Professional Education Program (for the student who has completed junior college, only)

* To be interpreted as minimum of 50 units, minimum of 12 units, etc. The requirements of 36 units in the major and 20 units in the minor are state credential minima. College requirements are generally higher. See descriptions of specific major requirements in the various division listings.

Elective Courses 24

Minimum units required to complete the curriculum leading to the General Secondary Credential 154

The Bachelor of Arts degree may be conferred at the end of four years if requirements shown in the OCSC catalog are completed.

N.B. The applicant for the General Secondary Credential must complete 30 units after the completion of the requirements for the Bachelor of Arts degree. The 30 semester units must include at least 6 units of pre-service professional education courses and 6 units in subject fields commonly taught in junior and senior high schools. The student is responsible for arranging his schedule to satisfy these graduation and credential requirements.

THREE-YEAR PROGRAM IN PROFESSIONAL EDUCATION

(For the student who has completed junior college, only)

First Year at OCSC

Semester I	*Units*	*Semester II*	*Units*
Educ. 340A Practicum in Secondary Education	1	Educ. 340B Practicum in Secondary Education	1

Second Year at OCSC

Educ. 311 Psychological Foundations of Education	6	Educ. 441 Principles and Curriculum of Secondary Education	2
		442 Secondary School (the Major)	3

Third Year at OCSC

Educ. 549 Student Teaching in the Secondary School and Student Teaching Seminar	8	Educ. 501 Philosophy of Education	3

PROFESSIONAL EDUCATION PROGRAM FOR ALL OTHERS

Students who have completed three years of college or who come to Orange County State College with degrees should consult advisers in the Division of Education and Psychology regarding courses and course programs in professional education.

STATUTORY REQUIREMENTS FOR CREDENTIALS FOR TEACHING

The curricular requirements for credentials for teaching in California elementary schools and secondary schools are included in the above curricula. In addition, an applicant for a credential for teaching is asked questions about his citizenship, and about his ethical and moral character. The applicant must sign an Oath of Allegiance, must present a certificate of health from a qualified physician, and present official transcripts of collegiate studies. The applicant must present two sets of personal identification cards, including fingerprints. He must present evidence of having passed a course or suitable examination on the United States Constitution. Each applicant for a credential must be accompanied with a fee of $8 in the form of a money order, cashier's check, or certified check.

Students with a bachelor's degree and teaching experience who wish to meet specific requirements for the General Elementary Credential may do so through the following courses at Orange County State College:

California State Requirements	Orange County State College Courses Which Meet These Requirements
1. Principles and Curricula of Elementary Education	Education 331, 431
2. Elementary methods in basic subjects	Education 331, Art 432, For. Lang. 432, Educ. 432, Eng. 432, Math. 432, Mus. 432, PE 432, Sci. 432, SS 432, Speech 432
3. Child Growth and Development	Education 311, 312
4. Audio-Visual Education	Education 331, 491

STATUTORY REQUIREMENTS FOR CREDENTIALS IN ADMINISTRATION AND SUPERVISION

Students must take Education 503, Foundations for Educational Leadership, during their first registration in these fields. To take courses beyond this first course, the student must be granted a "Letter of Admission to the Program" and possess an official OCSC program evaluation. In order to be eligible for "old type" administration credentials (to be completed by September 15, 1966) students must be registered in Education 503 by September, 1962 and be admitted to program by February, 1963.

STATUTORY REQUIREMENTS FOR CREDENTIALS IN PUPIL PERSONNEL SERVICES

Students must take Education 351, Principles of Guidance or Education 452, Counseling Theories and Practices, during their first registration in this field. To take courses beyond these courses, the student must be granted a "Letter of Admission to the Program" and possess an official OCSC program evaluation. Details of this program are contained in a brochure available from the Divisions of Education and Psychology.

PERSONNEL SERVICES FOR TEACHER EDUCATION STUDENTS

Advisement is available to any student seeking a public school credential and a Bachelor of Arts degree. Prior to registration, a student should consult an adviser in the division in which he expects to major and an adviser in the Division of Education and Psychology who will help the student select courses and build his program. A student from another institution should bring transcripts of previous work and a tentative selection of courses. Each student is responsible for meeting all requirements set forth in the catalog and supplements.

During the student's first semester after matriculation, he will receive from the Office of Admissions an evaluation of his credits which will list the requirements he must meet in earning the credential and the degree he has listed as his objective. If a student changes his degree or credential goal, he must have an evaluation for each credential. The evaluation will serve as a guide for the student and the advisers in planning a complete program. Any deviation from this evaluation must be approved through written petitions submitted to the Chairman of the Division of Education and Psychology. Transferred courses must be of upper division level and taken within the past fifteen years to be applicable to upper division credential requirements.*

* Selected courses completed in lower division at institutions outside of the State of California may be applied to professional education credential requirements.

ADMISSION TO TEACHER EDUCATION

Admission to Orange County State College does not constitute admission to the teacher education curricula. To become a candidate for a teaching credential, the student must be matriculated, in good standing, and must file the "Application for Admission to Teacher Education" in the Office of the Division of Education and Psychology. This application should be filed during the first semester that the student takes courses at the college.

A faculty committee will review information about the applicant's intellectual resources and mastery of important concepts in the common curricular areas of higher education, command of fundamental skills of communication (English language usage, written composition, speech, hearing, reading comprehension, handwriting, mathematical skills), scholarship, personality and character, interest in teaching, and health. Data related to these criteria are gathered from transcripts and records from other schools and colleges, group and individual tests, personality inventories, estimates of the potential of the applicant as made by advisers and others who know the applicant, and from the Student Health Center. Students should normally qualify for admission and are advised of their status during the second semester of the junior year or their first semester of attendance if they enter with advanced standing.

Admission to teacher education is required of all students seeking admission to student teaching.

Students who show weaknesses in any of the fundamental skills of communication are advised of their standing. If there are weaknesses in only one or two of the areas noted above, the student will be advised of refresher courses and given a specified time to meet the standard.

If the applicant has serious deficiencies in communication skills or does not meet the standards of mastery in the common curricular areas, personality and character, scholarship, interest in teaching, or health, the faculty committee will deny the applicant admission to teacher education.

The student must arrange to take the required battery of group and individual tests and inventories necessary to provide information needed by the faculty committee. Several of the tests are to be arranged within certain of the courses in professional education, but other arrangements can be made through the Office of the Division of Education and Psychology.

The student who comes to OCSC to work toward a credential and who already has a bachelor's degree must, before he is admitted to teacher education, consult with an adviser in the major and must submit a statement, signed by the adviser, which indicates the following:

1. that the student's undergraduate preparation in his major is considered to be adequate for the credential sought, or
2. that the specific courses which the student must complete in order to have a major adequate for the credential sought, and which he must complete before he will be admitted to student teaching. These may be in addition to the minimum of the six upper division or graduate units required in the major in the postgraduate year, or may, in part or in whole, satisfy this six unit minimum requirement.

Full details on standards and procedures for admission to teacher education are described in "Instructions and Standards for Admission to Teacher Education" which is available from the Division of Education and Psychology.

ADMISSION TO STUDENT TEACHING

Admission to teacher education is the first step in a cumulative and continuing evaluation of a candidate's fitness to teach. The applicant for admission to student teaching must have a grade point average of 2.5 in the major, 2.5 in the minor,

and 2.5 in professional education. Marks of C, or better, are required in all professional education courses. Applicants for admission to elementary student teaching must be within 15 units of the baccalaureate degree. Applicants for admission to secondary student teaching must be classified as postgraduate students. All applicants must have completed at least twelve units at Orange County State College. The applicant must present a favorable report on health status and history. He must present evidence of readiness for student teaching responsibility as testified by the major adviser, the professional adviser, and other college faculty. This evidence relates to scholarship, breadth of understanding, command of the subjects to be taught, fundamental skills of communication, personality and character, interest and potential for teaching, and health.

Competence is required in all subjects and skills for which the candidate is seeking a credential. For the elementary school teacher education student, this includes all subjects and skills commonly taught in the first eight grades of the public schools. Elementary candidates are urged to include at least three units of art and three units of music in their lower division program. Some music skill is required of all elementary candidates. Secondary school teacher education students must meet the requirements for their major and minor(s) as specified by the academic divisions.

All instructors of the college are asked to participate in the continuing evaluation of students in relation to those aptitude, personality, and character traits which are considered essential to admission to the teaching profession. Dependability in fulfilling assignments, class attendance, ability to get along with people, industry, and emotional stability are representative criteria. In addition to the evaluations by instructors, the applicants may be interviewed by a faculty committee, and attention will be directed to general appearance, dress, vitality, poise, temperament, integrity, and social attitudes.

The application for admission to student teaching is submitted to the Coordinator of Elementary Education or the Coordinator of Secondary Education. The application must be submitted by October 15 or March 1 of the semester preceding the semester in which the student teaching assignment is expected. A faculty committee will gather the information described above and report to the student in time to do planning for the following semester.

Full details on standards and procedures are described in "Instructions and Standards for Admission to Student Teaching" available in the Office of the Division of Education and Psychology.

STUDENT TEACHING

Each candidate for the General Elementary Credential will do his student teaching in the last semester he is in the teacher education curriculum or in his postgraduate year at Orange County State College. Each candidate for the General Secondary Credential will do his student teaching during the post-graduate year. Student teaching assignments are made in the elementary and secondary schools of districts geographically accessible to the college. Students will be assigned to work under the supervision of carefully selected supervising teachers; a college supervisor makes frequent visits to the student teacher and the supervising teacher. Student teachers meet in a weekly seminar under the leadership of the college supervisor to discuss performance and problems.

STUDY LIST LIMITS OF STUDENT TEACHERS

The college offers two courses in student teaching: Education 339, Student Teaching in the Elementary School and Student Teaching Seminar, 10 units; and Education 549, Student Teaching in the Secondary School and Student Teaching Seminar, 8 units.

Students enrolled in either of these courses have heavy responsibilities for planning, preparation of instructional materials, developing appropriate resource materials, evaluating pupil performances, participating in conferences with supervising teachers and college supervisors, and the many other details that must be executed with efficiency to make the teaching-learning process of maximum value to pupils and to the student teacher. We know that teaching requires extra energy, both mental and physical, beyond that necessary for the completion of tasks associated with the college-student role.

Students who enroll in Education 339, Student Teaching in the Elementary School and Student Teaching Seminar, 10 units, will be limited to one course in addition for that semester. Students who enroll in Education 549, Student Teaching in the Secondary School and Student Teaching Seminar, 8 units, will be limited to two courses in addition for that semester. It is expected that students will not carry out-of-college work responsibilities during the semester of the student teaching assignment.

If a student is under hardship because of the above limitations, he may submit a petition to the Coordinator of Elementary Education or the Coordinator of Secondary Education requesting permission to carry not more than 15 units, including Education 339 or Education 549. The petition must set forth the reasons for the petition and a full description of the important factors related to the student's load during the semester, especially his employment or other conditions that may interfere with his success in Education 339 or Education 549. The petition will be granted if the reviewing committee considers the load to be reasonable and the supporting rationale to be sound.

PERMISSION TO SUBSTITUTE TEACHING EXPERIENCE FOR STUDENT TEACHING

A candidate for a teaching credential who has had teaching experience must petition the Division of Education and Psychology, through his professional adviser, to substitute two full years of successful, regular teaching experience at the level at which the credential is expected. If the petition is granted, the candidate for the General Elementary Credential must present not less than 24 units in professional education, and the candidate for the General Secondary Credential must present not less than 22 units in professional education. The substitution will be considered only if the applicant:

1. Has been admitted to teacher education at the college.
2. Has been admitted to student teaching at the college.
3. Has submitted an official verification from his former supervisor, principal, or superintendent to the Division of Education and Psychology certifying at least two years of successful, regular teaching experience at the appropriate level. A form for this verification is available in the Office of the Division of Education and Psychology.

PROVISIONAL CREDENTIAL RENEWAL

Orange County State College is prepared to cooperate with students seeking renewal of provisional credentials awarded by the State Department of Education. However, a letter of recommendation to the State Department of Education for renewal of the provisional credential will be written for the student only if the following conditions have been fulfilled.

1. The applicant has been admitted to teacher education at the college.
2. The applicant has completed the six semester unit requirement established by the State Department of Education at the college.

Detailed statements of requirements for credentials and degrees are available in the Office of the Division of Education and Psychology.

OTHER PUBLICATIONS AVAILABLE FROM THE DIVISION OF EDUCATION AND PSYCHOLOGY

1. Admission to teacher education
   - 1.1 Instructions
   - 1.2 Application
   - 1.3 Standards for admission
2. Admission to student teaching
   - 2.1 Instruction
   - 2.2 Application
   - 2.3 Standards for admission
3. Elementary school teacher education
   - 3.1 Current program
   - 3.2 Five-Year Program
   - 3.3 Regulations and program components including descriptions of majors
   - 3.4 Programs for holders of baccalaureate degrees
     - 3.41 Full residence at the college
     - 3.42 Partial residence at the college
4. Secondary school teacher education
   - 4.1 Current program
   - 4.2 Regulations and program components including descriptions of majors and minors
   - 4.3 Professional education programs for holders of degrees
     - 4.31 Full residence at the college
     - 4.32 Partial residence at the college

EDUCATION AND PSYCHOLOGY COURSES

FOUNDATIONS OF EDUCATION

311. Psychological Foundations of Education (6) F, S

Prerequisite: Introductory Psychology. The basic psychology course in teacher education. Required of all potential teacher education students as a prerequisite to other courses in the professional education sequence and as a means of evaluating the student's scholastic and personal aptitude for teaching. Satisfies the statutory requirement for educational psychology, including the interpretation of standardized tests, learning theory, and thinking processes; human growth and development in its physical, emotional, and social aspects; guidance and counseling of pupils as practiced by the teacher in the promotion of effective intellectual and emotional growth and including the psychological services provided by school districts. The student will be required to carry out a laboratory assignment in which the principles are studied inductively and deductively, to do extensive reading of psychological and educational research in the college library, to prepare an individual case study of an individual child or youth, and to learn to perform elementary statistical procedures.

312. Human Growth and Development (3) F, S

Prerequisite: Introductory Psychology. A comprehensive study of human growth and development with emphasis on childhood, adolescence, and middle and old age. Includes mental, social, emotional, and physical development.

402. Comparative Education (3) S

Prerequisite: Educ. 331 or Educ. 441 or consent of the instructor. A study of (1) the common problems, basic factors and international efforts in education throughout the world, and (2) the educational philosophies, practices and problems in the administration, control, financing and operation of educational systems of selected areas and countries against their particular cultural, geographic, historical, political and economic backgrounds.

403. History of Education (3) F

Prerequisites: History of World Civilization and Educ. 331 or Educ. 441, or consent of the instructor. The main streams of educational history in Europe and America, with particular emphasis on the ways these main streams have affected the current scene in the United States.

406. Educational Sociology (3) S

Prerequisite: Educ. 331 or Educ. 341, or consent of the instructor. The school in the social order; analysis of cultural factors affecting the school, and of the special culture of the school; consideration of research in selected areas of the school-culture relationship.

501. Philosophy of Education (3) F, S

Prerequisites: Post-graduate standing and Educ. 339 or Educ. 549, or consent of the instructor. Uses of theories of knowledge, value and reality in dealing with educational problems; application of contemporary systems of thought to education.

503. Foundations for Educational Leadership (3) F, S

Prerequisite: Consent of the instructor. The American cultural stream and value structure in which schools exist and to which they must contribute; a brief introduction to fields basic to school administration such as community sociology, tax systems and public administration; the literature of leadership. Students will be screened for admission to program during this course. Occasional special meetings. Required of all students during first registration in school administration and supervision at this college.

504. Foundations for Policy and Program Development (2) F, S

Prerequisites: Undergraduate or graduate courses in guidance; child growth and development or child psychology; tests and measurements; Educ. 503, 561, 562, 564 and 565. Emphasis on the development of effective administrative and supervisorial policy as related to understanding the learner, the learning process and the appraisal of pupil aptitudes; maximizing instruction through special schools and revised programs; research related to these fields. Meets credential requirement in administration of special schools and pupil personnel.

505. Foundations for Improving Instruction (4) F

Prerequisite: Educ. 504. The leadership role of the supervisor and administrator in developing and putting into effect a quality program of instruction in both elementary and secondary schools; the appraisal of programs of instruction; advanced principles of curricular review and modification, with emphasis on a program of instruction to bring responsible participation and individual competence in meeting the needs of community and American life.

Each student will be expected to demonstrate his subject matter competence in the area of his supervisory specialization. Meets credential requirements in principles of curriculum construction and evaluation; supervision of instruction and curriculum in both elementary and secondary schools.

511. Educational Research I (2) (Planned for 1963-64)

Prerequisites: Educ. 451 or equivalent; teaching experience. Review of descriptive statistics as applied to educational problems. Survey of elements of current research types. Principles of research design.

ELEMENTARY EDUCATION

331. Elementary School Principles, Curricula, and Methods (8) F, S

Prerequisites: Educ. 311, Art 432, Music 432, P.E. 432 and admission to teacher education. Principles, curricula, methods, and materials of elementary school instruction, with major emphasis on reading, language arts, arithmetic, social studies,

and science. Includes audio-visual instruction, methods, and techniques. Students are expected to observe and participate in selected elementary school classrooms as planned by the instructor. Required of all candidates for the General Elementary Credential or its equivalent. (6 hours lecture, 2 hours activity, and 3 hours laboratory per week.)

339. Student Teaching in the Elementary School and Student Teaching Seminar (10) F, S

Prerequisites: Educ. 331 and admission to student teaching. Student teaching for the General Elementary Credential. Participation in a regular elementary school teaching program for the greater part of every school day. Includes a two-hour seminar each week in problems and procedures of elementary school teaching. Concurrent enrollment in other professional education courses is discouraged.

431. Principles and Curricula of the Elementary School (2) F, S

Prerequisite: Educ. 311 or consent of the instructor. An introductory course in elementary education which introduces the student to various aspects of the teaching profession. Stress will be on attempting to define major principles of education and indicating basic curricular considerations. Particular emphasis will be made to portray the importance of the elementary school system to society.

432.

Prerequisites: Educ. 311 or consent of the instructor. A series of courses, listed dually in the Division of Education and Psychology and in the other appropriate divisions, dealing with objectives, methods, and materials of teaching the various subjects and areas in elementary schools. The courses are professional education courses and applicable toward credential requirements. Detailed descriptions of the courses are to be found in the materials of other departments and divisions within this catalog.

Art 432. Elementary School Art (2) F, S
For. Lang. 432. Elementary School Foreign Language Arts (2) F
Music 432. Elementary School Music (2) F, S
P. E. 432. Elementary School Physical Education (2) F, S

The following courses have been designed specifically for students who have completed the major portion of Education 331 or who are part-time students. With the approval of the professional adviser the requirement of Education 331 may be satisfied with these courses.

Educ. 432R. Elementary School Reading (2) F, S
Eng. Speech 432. Elementary School Language Arts (2) F, S
Math. Educ. 432. Elementary School Arithmetic (2) F, S
Sci. Educ. 432. Elementary School Science (2) F
Soc. Sci. Educ. 432. Elementary School Social Studies (2) F, S

432R. Elementary School Reading (2) F, S

Prerequisite: Educ. 311 or consent of the instructor. The reading process, the sequential development of reading skills, the relationship of the developmental reading program to child growth and development, and the place of reading in the culture today.

537. Seminar for Elementary Education (3) F, S

Prerequisite: Educ. 339 or consent of the instructor. Identification of persistent problems in elementary education and survey of the literature relating to these problems; causes of and solutions for these problems. Emphasis is given to the application of scientific method to educational problems, to acquaintance with reliable sources of education research, and to techniques of cooperative thinking.

SECONDARY EDUCATION

340A, B. Practicum in Secondary Education (1-1) F, S

Required first course in the professional sequence for the General Secondary Credential for those who begin their work toward the credential as juniors. Two hours observation per week in selected high school and junior high school classes and one hour per week in campus discussion groups. Includes some testing related to the procedures for admission to teacher education.

441. Principles and Curricula of Secondary Education (2) F, S

Prerequisites: Educ. 311, admission to teacher education or consent of the instructor. Principles and philosophy of secondary education in the United States; organization, curriculum, evaluation, and teaching practices including audio-visual methods and materials. Correlated with methods and materials courses in the majors. Required of all candidates for the General Secondary Credential.

442.

A series of courses, listed dually in the Division of Education and Psychology and in the other appropriate divisions, dealing with objectives, methods, and materials of teaching the various subjects and areas in secondary schools. Required, before student teaching, of students presenting majors in these areas or subjects for the General Secondary Credential. Students without teaching experience must register for three units credit, and must allow sufficient time in their schedules, at the same hour each day, so that they can serve as teacher aides in high schools. Prerequisites: 20 units in the major, Education 311, Education 340, and senior standing; or consent of the instructor.

Art. Educ. 442. Secondary School Art Education (2-3) S
Bus. Educ. 442. Secondary School Business Education (2-3) S
Eng. Educ. 442. Secondary School English Education (2-3) F, S
For. Lang. Educ. 442. Secondary School Foreign Language Education (2-3) S
Journ. Educ. 442. Secondary School Journalism Education (2-3) F
Math. Educ. 442. Secondary School Mathematics Education (2-3) S
Music. Educ. 442. Secondary School Music Education (2-3) F
Phys. Educ. 442. Secondary School Physical Education (2-3) S
Sci. Educ. 442. Secondary School Science Education (2-3) F,S
Soc. Sci. Educ. 442. Secondary School Social Studies Education (2-3) F, S
Speech Educ. 442. Secondary School Speech Education (2-3) S

443. Principles of Core Curriculum (2) S

Prerequisite: Teaching experience or consent of the instructor. Unity and interrelationships of human learning and behavior and the curricular processes and arrangements by which this may be achieved. Development, principles, and application of core curricula; guidance functions; evaluation; and roles of the teacher.

547. Seminar for Secondary Education (3) F

Prerequisite: Educ. 549 or consent of the instructor. Identification of persistent problems in secondary education and survey of the literature relating to these problems; causes of and solutions for these problems. Emphasis is given to the application of scientific method to educational problems, to acquaintance with reliable sources of educational research, and to techniques of cooperative thinking.

549. Student Teaching in the Secondary School and Student Teaching Seminar (8) F, S

Prerequisites: Educ. 441 and 442, admission to student teaching. Student teaching for the General Secondary Credential. Participation in a regular secondary school teaching program for half days for a full semester or full days for a half semester. Includes a two-hour seminar each week in problems and procedures of secondary school teaching.

SCHOOL SERVICES

351. Principles of Guidance (2) F, S

Prerequisite: Psych. 311 or Educ. 312. The relationship of counseling and guidance to educational objectives and needs of youth. Study of special needs created by size and complexity of the modern educational system and modern society; general requirements, services, organization, and structure of a successful guidance program; counseling service; and services to students and administration.

451. Principles of Educational Measurement (2) F, S

Prerequisite: Educ. 311 or Psych. 311. Development, validation, and application of the principles of educational measurement. Construction and use of informal and standardized achievement tests. Summary and interpretation of results of measurement.

452. Counseling Theories and Processes (3) S

Prerequisites: Psych. 441 or Educ. 351. Introduction to techniques and problems of counseling. Attention to the dynamics of counselor and client, techniques and processes of counseling at various levels, and relation of personality theory. Major project required. Students seeking the credential to teach exceptional children will emphasize the counseling and guidance of the handicapped.

471. Gifted Children (2) F, S

Prerequisites: Educ. 311 and Educ. 331 or Educ. 431 or Educ. 441. Identifying gifted and more able learning children. Guidelines for meeting their needs, effective ways of grouping, the meaning of individualized instruction, and classroom enrichment procedures. Emphasis is on problem solving and research experiences in science, social studies, and mathematics. Self-elective reading programs and ways to extend interests in literature. Techniques for developing creative writing and oral language projects. Working with community and parent groups.

472. Exceptional Children (2) F, S

Prerequisites: Educ. 311 and Educ. 331 or Educ. 431 or Educ. 441. Psychology and education of children who deviate from the average in the elementary and the secondary schools; physically handicapped, mentally retarded, gifted, socially maladjusted, emotionally disturbed, and delinquent. Special educational services, curriculum, procedures, and materials necessary to promote their maximum development.

491. Audio-Visual Education (2) F, S

Prerequisites: Educ. 311, Educ. 441, or consent of the instructor. Nature of Audio-Visual media in communication, psychological base for their use in the instructional program; principles of development, curricular function, and techniques for evaluation. Survey approach to equipment and materials available; experience in the preparation of instructional materials for classroom use. Includes laboratory.

560. Practicum in School Administration (2) S

Prerequisite: Educ. 503. Observation, with limited participation, of practically all types of administrative situations in a variety of school districts. To give students realistic background for subsequent studies and for guidance in selecting their areas of specialization. Occasional class meetings and added Saturday morning session. At present an elective course. Does not meet "directed field work" requirement of credentials.

561. The Government of Schools in the U. S. (2) F

Prerequisite: Educ. 503. Meets credential requirements in Federal, state and county school administration. Structure, functions, trends and issues at each level. Emphasis on intergovernmental relations and impact at local level.

562. Administration of Local School Systems (2) F, S

Prerequisite: Educ. 503. Meets credential requirement in city school administration. School districts and their reorganization; school boards; the superintendency; principles of internal organization of central staff and functions; basic principles of personnel administration.

564. School Law (2) F

Prerequisite: Educ. 561, 562. Meets credential requirement in this field. School law as a reflection of public policy; the California School Code; Title 5; the roles of courts, county counsel and Attorney General in interpreting law; how law is made. Those preparing to be superintendents or school business officials should note that this course gives only minimal preparation for such positions. Does *not* meet "laws relating to children" requirement for Pupil Personnel Credential.

565. School Finance, Business Administration and Buildings (3) S

Prerequisite: Educ. 564. Meets credential requirements in these fields. Emphasis on these as they implement an effective educational program. Those preparing to be superintendents or school business officials should note that this course gives only minimal preparation for such positions.

566E. Organization and Administration of Elementary Schools (3) S

Prerequisites: Educ. 503, 504, 505, 511, 561, 562, 564, and 565. Educ. 566E may be taken concurrently with Educ. 569E. The leadership role of the elementary school principal, with emphasis on the specific applications of the materials of Educ. 504 and 505 in developing and maintaining an effective pupil personnel and instructional program in the individual elementary school; effective working relations and development of high morale among staff, community and pupils; parent education; relations with central district staff and coordination of functions; the management and record keeping functions of the individual elementary school; teacher evaluation. Meets credential requirements in field of course title.

566S. Organization and Administration of Secondary Schools (3) (Planned for 1963-64)

Prerequisites: Educ. 503, 504, 505, 511, 561, 562, 564, and 565. Educ. 566S may be taken concurrently with Educ. 569S. The leadership role of the secondary school principal, with emphasis on the specific applications of the materials of Educ. 504 and 505 in developing and maintaining an effective pupil personnel and instructional program in the individual secondary school; the development and administration of vocational and adult education; effective working relations and development of high morale among staff, community and pupils; relations with central district staff and coordination of functions; the management and record keeping functions of the individual secondary school; teacher evaluation. Meets credential requirements in field of course title.

569E. Directed Field Work in Elementary School Administration and Supervision (2) S

Prerequisites: Educ. 566E, except that Educ. 569E may be taken concurrently with Educ. 566E. Normally Educ. 569E may be taken only by students who have completed Educ. 503, 505, and 566E at OSCS. This will be done in one or more carefully selected elementary schools, with responsibilities in central district offices. All arrangements will be made by the College, with cooperating schools and districts. A portion of the work will be done in schools and districts other than those in which the student is employed. Emphasis is placed on demonstration of ability to actually perform the major functions of elementary principals and supervisors as detailed in Educ. 505 and 566E. Arranged, with occasional class meetings. Meets credential requirement in field of course title.

569S. Directed Field Work in Secondary School Administration and Supervision (2) (Planned for 1963-64)

Prerequisites: Educ. 566S, except that Educ. 569S may be taken concurrently with Educ. 566S. Normally Educ. 569S may be taken only by students who have taken Educ. 503, 505, and 566S at OCSC. This will be done in one or more carefully selected secondary schools, with responsibilities in central district offices. All arrangements will be made by the College, with cooperating schools and districts. A portion of the work will be done in schools and districts other than those in which the student is employed. Emphasis is placed on demonstration of ability to actually perform the major functions of the secondary school principal and his immediate staff as detailed in Educ. 505 and 566S. Arranged, with occasional class meetings. Meets credential requirements in field of course title.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

101. Personal and Community Health (2) F, S

Meaning and significance of physical, mental and social health as related to the individual and to society; alcohol and narcotics education; fire prevention; public safety and accident prevention. (1 hour lecture, 2 hours activity.)

318. Basketball (1) F, S

Prerequisite: Consent of the instructor. Basketball theory, practice, and intercollegiate competition.

432. Elementary School Physical Education (2) F, S

Prerequisite: Educ. 311. Physical education rationale, techniques, and materials for elementary school teachers. Methods of teaching games, sports, rhythms and dances commonly taught in elementary schools. Observation and laboratory practice included. (4 hours activity per week.)

442. Secondary School Physical Education (2-3) S

Prerequisites: 20 units in physical education, Educ. 311, Educ. 340, senior standing, or consent of the instructor. Objectives, methods, and materials for teaching physical education in secondary school. Required before student teaching, of students presenting majors in physical education for the General Secondary Credential. Students without teaching experience must register for three units credit, and must allow sufficient time in their schedules at the same hour each day, so that they can serve as teacher aides in high schools. (1 hour lecture, 2 hours activity.)

443. Theory of Recreation (2) F

Prerequisite: Consent of the instructor. Introduction to the field of recreation with regard for the principles involved in planning, organizing, administering, and evaluating recreation programs in recreation agencies. Also, the personal, social, and professional requirements of the recreational leader. (1 hour lecture, 2 hours activity.)

444. Recreation Programs and Activities (2) S

Prerequisite: Consent of the instructor. A theory and activity course in which the role of leadership is emphasized in recreation programs and activities in recreation agencies. Laboratory experiences and practice included. (4 hours activity per week.)

PSYCHOLOGY

Requirements for the Major

Lower division: In order to take upper division courses in psychology, at least six units of psychology must be offered from the student's lower division work.

Upper division: A minimum of 27 units of upper division work will constitute a major in psychology. Fifteen units are prescribed below:

	Units
Psych. 301 Experimental Psychology	3
Psych. 441 Abnormal Psychology	3
Psych. 461 Psychological Testing	3
Psych. 451 Social Psychology	3
Psych. 431 Theories of Personality	3

A minimum of 15 units including 3 units of elementary statistics and 12 units in psychology courses will be selected in consultation with the academic advisor.

Recommended Related Courses

Courses from each of the following areas according to the student's interests: (1) social sciences; (2) physical sciences; (3) biological sciences, preferably physiology; (4) mathematics, preferably intermediate or college algebra; (5) humanities, such as philosophy, literature, languages.

201. Introductory Psychology (3) F, S

General introduction to basic concepts and problems in psychology as a behavioral discipline. Emphasis upon the human organism as an adapting system, with attention to genetic origins; normal development and capacities; problem-solving and adjustment to stress. Fulfills the course general education requirement in psychology.

301. Experimental Psychology (3) F, S

Prerequisites: 6 units of lower division psychology. Emphasis on basic concepts of scientific research in psychology, and on training in research practices. Experience in the formulation of hypotheses, collection and interpretation of data, and report-writing.

311. Educational Psychology (3) F, S

Prerequisite: General Psychology. Application of psychological research and theory to the educative process. Major attention given to the problems of learning, individual differences, child capacities, and behavior as these appear in the school environment. (Not open to students who have taken Educ. 311.)

312. Human Growth and Development (3) F, S

Prerequisite: General Psychology. A comprehensive study of human growth and development with emphasis on childhood, adolescence, and middle and old age. Includes mental, social, emotional, and physical development.

400. Independent Study (1-3)

Prerequisites: Senior standing and consent of instructor. Individual library study or experimental investigation under direction of a staff member.

407. Seminar in Basic Concepts of Philosophy and Psychology (4) F, S

Prerequisite: 3 units of philosophy and 3 units of psychology. An interdisciplinary course of study; an attempt is made to intensify significant interrelationships which obtain among concepts common to both philosophy and psychology.

412. Psychology of Learning (3) S

Prerequisite: Psych. 311. An examination of the variables, processes, influences, factors, conditions, and elements of learning according to the major theoretical systems. Critical evaluation of the theories in reference to personality, teaching, psychotherapy, and behavioral dynamics.

421. Physiological Psychology (3) (Planned for 1963-64)

Prerequisite: Physiology or consent of the instructor. A survey of the relations between behavior and biological processes. Attention to the anatomy and physiology of the nervous system, the role of neural and humoral agents in perception and complex behavior (emotion, etc.), behavioral effects of brain lesions, the effects of drugs on behavior, psychosomatic disorders, motivation, etc.

431. Theories of Personality (3) S

Prerequisite: Three units of upper division psychology. A critical scientific study of personality structure, development, and dynamics according to major theories. Attention given to the basic principles of research methods as they apply to personality theory.

441. Abnormal Psychology (3) F, S

Prerequisite: Six units of lower division psychology or equivalent. A study of the major and minor disturbances which result in an individual's failure to fit adequately in his society. Includes the dynamics, symptoms, causes, treatment, and prevention of neuroses, psychoses, alcohol and drug addiction, psychosomatic illnesses, and character disorders. Field trips will be taken when possible.

442. Mental Hygiene (3) S

Prerequisite: Six units of lower division psychology or consent of the instructor. Social and emotional dynamics of the adjustment processes. Emphasis upon positive factors in the individual, group, and community conducive to improving mental health. (Lower Division course in Mental Hygiene not accepted as substitute.)

451. Social Psychology (3) F

Prerequisites: Six units of lower division psychology and Soc. 301. Study of the phenomena of social interaction and the nature of group processes and influences. Attention paid to the intrapsychic effects of group influences.

461. Group Psychological Testing (3) F

Prerequisites: Math. 301 or equivalent and Educ. 451. Introduction to the basic concepts of intelligence, aptitude, interest, and personality testing. Study directed to the elements of theory, construction, evaluation, interpretation, and uses of psychological tests.

462. Individual Psychological Testing (3) S

Prerequisite: Psych. 461. Study of the major tests of intelligence. Emphasis upon practical experience in administration, scoring, and interpretation of these instruments.

471. Gifted Children (2) F, S

See Educ. 471.

472. Exceptional Children (2) F, S

See Educ. 472.

481. Survey of Clinical Psychology (3) F

Prerequisites: Psych. 431, 441, and 461. Survey of the development and contemporary aspects of the field. Considers the methods, diagnosis, therapeutic techniques, research, and problems of clinical psychology.

491. Industrial Psychology (3) F

Prerequisite: Six units of lower division psychology or consent of the instructor. Study of psychological principles and techniques in industrial and business settings. Includes selection, placement, training, human factors, promotion, environmental influences, and problems of people at work.

PUBLIC SCHOOL TEACHERS COOPERATING IN STUDENT TEACHING PROGRAM

FALL SEMESTER, 1961

Elementary

Alamitos Elementary School District

Lucille Delaney, Beverly Marsh, Lois Reed, Joe Trimbly

Brea Elementary School District

Miriam Hinnen, Leota Hitt, Marian Withey, Shirley Wooldridge

Fullerton Elementary School District

Marilee Bramlett, Julie Odler, Jo Ann Lae, Dorothy Leander, Sally Newhard, Claudine Peterson, David Peterson, Emily Voss, Phyllis Ziemer

Garden Grove Elementary School District

Martha Alves, Billy Joe Beeman, H. Glenn Davis, Don Fraser, Harry Holmberg, Gloria Prohaska, Jackie Satterthwaite, Joan Strobschein, Jack Wolven

La Habra City Elementary School District

Carol Block, Frances Cunningham, Irvin Fiebelkorn, Winnie Green, Richard Hermann, Don Johnson, Gordon Lutz, Georgia Tarwater

Magnolia Elementary School District

Evalyn Chambers, Stella Nadeau, Margaret Opsahl, Helen Restek

Placentia Unified Elementary School District

Vere DeJong, Clara Moore, Emily VanVerst, Marion Wolf

SPRING SEMESTER, 1961

Elementary

Alamitos Elementary School District

Betty Allen, Myrtle Beyenberg, Lynn Cook, Lucille Delaney, Chuck Frish, Dorothy Halk, Alice Hammond, Lucille Hicks, Dee Hoffman, Art Myers, Ron Porter, Sara Robinson, Cordelia Scholey, Joe Trimbly

Fullerton Elementary School District

Verna Bixler, Laurel Bohan, Zena Brennan, Norma Brown, Lucille Cooper, Virginia Critchfield, William Elgas, Marilyn Hatfield, Jo Ann Hinson, Al Kiesselbach, Blanche Melgren, Carmen Pelton, Marjorie Pogue, Sibyl Potts, Dorothy Rhodes, Helen Schwerer

Garden Grove Elementary School District

Ivah Agnew, Donald Brown, Pat Collier, Yvonne Davis, Mildred De Lano, Stanley Gerhardt, Frances Heitz, Carol Hewlett, Harry Holmberg, David Jenkins, Helen Kettering, Lois Lindbeck, Gayle Meyer, Norma Miller, Betty Seal, Frances Sheddan, Catherine Smith, Glenda Ware, Mignon Waters, Leona Wenrick

La Habra City Elementary School District

Jeanne Beals, Jacqueline Bettrick, Mary Burnaman, Chester Felshaw, Gladys Goodwin, Selma Guisinger, Betty Hines, Eileen Hogue, Jerome Hund, Caye Inglis, Ann Prestridge, Stanton Rubin, Mary Sheller, Irene Shira, Evelyn Watt, Evelyn Watterson

Magnolia Elementary School District

Faye Corwin, Raymond Fuller, Lonelle Judson, Beverly Lowe, Kathryn Martin, Virginia Ross, Charlona Schwankovsky, Philip Stafford, Barbara Waechter, Jesse Whittington

FALL SEMESTER, 1961

Secondary

FULLERTON UNION HIGH SCHOOL DISTRICT

Fullerton High School

George Burt, Bert Hathaway, Lindell Jones, Elizabeth Joy, Ernest Koch, George Morse, Robert Strange, H. M. Wareberg, Joseph Yelle

La Habra High School

Virgil Ballard, John Feaster, George Francisco, Beulah King, Joseph Maag, Sylvia Vrattos

GARDEN GROVE SCHOOL DISTRICT

Bolsa Grande High School

Robert Day, Loren Noblitt

Garden Grove Elementary School District

Martha Alves

SPRING SEMESTER, 1961

Secondary

ANAHEIM UNION HIGH SCHOOL DISTRICT

Brookhurst Junior High School

Kathryn Malucky, Ronald Pierson

Anaheim Senior High School

Joseph Carter, George Hedstrom, Robert Carlberg, G. C. Beale, Louise Booth, Robert McMahon

Western High School

George Rosacker, Laura Yowell

FULLERTON UNION HIGH SCHOOL DISTRICT

Fullerton High School

H. R. Beddows, George Burt, William Campbell, Norman Cottom, John Dewey, Irene Randall, Arla Smith

La Habra High School

Alvin Hawkins, Frank Palko, Betty Scaling

DIVISION OF FINE AND APPLIED ARTS

Professors: Olsen (Chairman), Fessenden, Heavenrich, Landon
Associate Professors: Breinholt, Dietz, Gray, Hein, Long,* Thorsen, Young
Assistant Professors: Michalsky, Robinson
Instructor: Granell
Lecturers in Applied Music (Part-time): Caudill (string bass), Huntington (organ), Muggeridge (oboe), Nowlin (bassoon), Pyle (French horn), Remsen (trumpet brass), Roberts (voice), Schoenfeld, A. (violin, viola), Schoenfeld, E. (cello), Wade (flute)

The Division of Fine and Applied Arts includes academic offerings in the Departments of Art, Music, and Speech and Drama. Programs in these disciplines are provided both in breadth and depth; i.e., they are intended both for the major as well as the non-major. The broad areas of Fine and Applied Arts are conceived of as the study of those practical and aesthetic experiences necessary to the education of all persons in our modern society. Persons may elect to take courses leading toward a liberal arts degree, teaching credentials or for professional preparation in art, drama, music, speech, or speech and hearing therapy.

Academic programs in the Division of Fine and Applied Arts include the areas of theory, history, and practice. Departmental majors within the Division are encouraged by this means to become widely acquainted with the broad contributions to society made by their major field, as well as the concentrated application of this area of study. Students are encouraged to stimulate their intellectual curiosity and to synthesize many areas of knowledge by means of careful planning of electives in various subject matter areas. To this end, the major adviser will assist each student in planning his major and minor programs and in the selection of appropriate interdisciplinary courses.

MAJOR PROGRAMS

The curriculum in the Division of Fine and Applied Arts enables the college to offer the Bachelor of Arts degree with majors in Art, Language Arts, Music, and Speech.

Courses leading toward clinical certification by the American Speech and Hearing Association are included in the speech therapy curriculum. Minors are offered in art, music and speech.

DEPARTMENT OF ART

The Department of Art offers a program which includes the several fields of art history, theory, and appreciation, the fine arts (drawing, painting, and sculpture), the applied arts (general and specialized design and crafts), and art education. The broadest objective of the program is to contribute to the total development of the learner as he prepares himself for citizenship in a democratic society. More specifically, the art program provides oportunities for students: (1) to develop a critical appreciation and understanding of the range of artistic production of mankind; (2) to express their ideas, thoughts, and feelings in visual forms; and (3) to develop those understandings and skills needed to pursue graduate studies in the field, to teach art in the schools, or to qualify for a position in business and industry as an art specialist.

Undergraduate curricula leading to the Bachelor of Arts degree have been designed to meet the specialized needs of the following groups: (1) students who

* College Administrative Officer

wish to study art as an essential part of their personal and cultural development; (2) students seeking vocational competence in art; (3) students planning to teach art at the secondary level who wish either a teaching major or minor in art; and (4) students planning to teach in the elementary schools who wish to have art as either an academic major or minor.

To qualify for a baccalaureate degree with a major in art, students must have a C average in all courses required for the degree. No credit toward the major will be allowed for specific major courses in which a grade of D is obtained. As is customary, the Art Department reserves the right to hold projects completed by a student for class credit for a period of three years.

MAJOR IN ART FOR THE BACHELOR OF ARTS DEGREE

Four course programs have been planned to meet the individual needs and interests of students working for the bachelor of arts degree with a major in art.

Plan I provides for an emphasis in the area of art history, theory, and appreciation and is particularly recommended for those students who wish to pursue graduate studies in art history or museology.

Plan II is designed for those students who prefer a studio-type program with an area of specialization selected from the following: (1) design; (2) crafts; (3) drawing and painting, or (4) sculpture.

Plan III is for those students who wish to meet the requirements of the standard teaching credential with specialization in secondary or junior college teaching; and

Plan IV is for those students who wish to meet the requirements of the standard teaching credential with specialization in elementary teaching.

All four plans require a minimum of 48 units in art or approved related courses with a minimum of 24 units of upper division in art except for Plan IV which requires a minimum of 36 units of art including a minimum of 24 units of upper division in art.

In addition to the requirements listed below for the major, students must meet the other college requirements for a bachelor of arts degree (see page 33). Students following Plans III and IV also must meet any specific requirements for the desired teaching credential (see section in catalog for Division of Education and Psychology). Graduate students who plan to meet the requirements for a general secondary credential with a major in art must complete or be enrolled in 6 units in art as approved by the major adviser on and beyond the specific course requirements listed in Plan III before they can be recommended by the Art Department for student teaching.

PLAN I: ART HISTORY AND APPRECIATION EMPHASIS

Lower Division: Art history and appreciation (9 units); Art Structure (3 units); approved electives (12 units) in: art, anthropology, foreign languages, history, literature, music or philosophy ..... 24 units

Upper Division: Art history and appreciation (24 units), including a minimum of 3 units in special studies and coverage of four of the following fields: primitive, classical, medieval, renaissance, baroque, modern, Oriental, American ..... 24 units

Reading knowledge of one modern foreign language

Comprehensive examination in art history

PLAN II: STUDIO EMPHASIS

Lower Division: Art history and appreciation (9 units); drawing and painting including life drawing (9 units); design and crafts (6 units) ..... 24 units

Upper Division: Art history and appreciation (6 units); area of specialization (12 units); art electives (6 units) ..... 24 units

PLAN III: TEACHING EMPHASIS
(Secondary or Junior College)

Lower Division: Same as Plan II above ..... 24 units

Upper Division: Contemporary art (3 units); drawing and painting (3 units); display and exhibition design (2 units); crafts (3 units); sculpture or ceramics (3 units); 6 units selected from advertising design, industrial design, costume design, or theatre design; electives (4 units) ..... 24 units

PLAN IV: TEACHING EMPHASIS
(Elementary)

Lower Division: Basic course in art history and appreciation, drawing and painting, design, and crafts ..... 12 units

Upper Division: Art history and appreciation (6 units); drawing and painting, (3 units); design (3 units); crafts (3 units); electives (9 units) 24 units

MINOR IN ART FOR THE BACHELOR OF ARTS DEGREE

A minimum of 24 units is required for a minor in art for the bachelor of arts degree of which a minimum of 10 units must be in upper division courses. Included in the program must be a basic course in each of the following areas: (1) art history and appreciation; (2) design; (3) drawing and painting; and (4) crafts. Those students planning to qualify for a standard teaching credential with specialization in secondary teaching and art for a minor must obtain approval from the Art Department for the courses selected to meet the upper division requirements for a minor in art.

ART DEPARTMENT COURSES

300. Exploratory Course in Art (3) F, S (Formerly Art 391)

Exploration of a variety of art materials, processes, and concepts.

305A,B. Crafts (3-3) F, S (Formerly Art 451A,B)

Craft processes, techniques, and concepts as related to the design and making of utilitarian objects with emphasis on the use of hand tools.

306A,B. Ceramics (3) (3) F, S

Experiences in the creative use of ceramic materials including design, forming, glazing and firing. Art 306A places emphasis on hand building techniques in relationship to purpose and appropriate use of materials, and Art 306B emphasizes the use of the potter's wheel to develop functional ceramic forms in relation to contemporary living.

307A,B. Drawing and Painting (3) (3) F, S (Formerly Art 421A,B)

Prerequisites: One semester of drawing and 1 semester of painting. Creative use of materials of drawing and painting with emphasis on individual exploration, growth, planning, and craftsmanship.

309. Art Techniques (3) F, S (Formerly Art 303)

Prerequisite: Art 300 or the equivalent. Creative use of a variety of drawing and painting materials.

311. History of Art Since 1800 (3) F (Planned for 1963-64)

Art of the Nineteenth Century and its development into contemporary times.

313A,B. Interior Design (3) (3) S (Formerly Art 412)

Prerequisites: two semesters each of design and drawing and painting. Development and projection of ideas in relation to the functional, social, and aesthetic problems involved in the design and planning of living spaces for homes and small offices.

316A,B. Sculpture (3) (3) (Planned for 1963-64)

Prerequisites: two semesters of design. A study of basic sculptural processes using a variety of materials and processes.

317A,B. Advanced Life Drawing (3) (3) (Planned for 1963-64)

Prerequisite: three units lower division life drawing. Drawing and painting from the live model.

321. Contemporary Art (3) F (Formerly Art 401)

Fundamentals of modern painting, graphics, and photography.

322. Contemporary Art (3) S (Formerly Art 402)

Fundamentals of modern architecture, interior design, sculpture, and industrial design. Lectures, discussions, and field trips.

323A,B. Advertising Design (3) (3) F

Prerequisite: two semesters each of design and drawing and painting. Development and projection of ideas in relation to the technical, aesthetic, and psychological aspects of advertising art.

332. Industrial Arts for Elementary Teachers (2) F

Prerequisite: Ed. 311 or consent of the instructor. Creative selection, organization and use of materials and tools in construction activities. Includes correlation experiences with the social studies, science, and other units of work.

350A,B. Painting for Non-Art Majors (3) (3) (Planned for 1963-64)

Opportunities for students with little or no background in art to work creatively with various painting media both indoors and outdoors.

360. Elementary School Crafts (2) S (Formerly Art 472)

Studio activities and techniques of crafts appropriate to the elementary school. Strongly recommended for elementary teaching credential candidates.

370A,B. Art Activity (2) (2) (Planned for 1963-64)

Opportunities to observe, analyze, and evaluate child growth in and through creative art experiences.

371A. Two-Dimensional Design (3) F

The inventive use of materials, tools, and elements of plastic organization as related to a two-dimensional surface.

371B. Three-Dimensional Design (3) S

The inventive use of materials, tools, and elements of plastic organization as related to three-dimensional surfaces and forms.

381. Primitive Art (3) S

A study of the art of primitive groups and cultures.

403. Western Art (3) F

Provides broad familiarity with the major styles of classic, medieval, and Russian art and their relation to contemporary art. Culture cycles and style fluctuations. Lectures, discussions and field trips.

404. Western Art (3) S

Basic problems of painting, sculpture, and architecture. Renaissance, baroque, and 19th century styles and their relation to contemporary art-personality and style. Lectures, discussions, and field trips. Also recommended for humanities and history students.

411. Introduction to Art (3) F

Visual fundamentals, trends in contemporary art and fashion. Provides the basic knowledge and visual training for understanding art, and for solving some of the recurring design problems which the layman faces. Lectures, discussions, and field trips.

421. Oriental Art (3) S (Formerly Art 406) (Planned for 1963-64)

Provides broad familiarity with the major styles of Oriental art and their relation to contemporary art. Ancient cultures and recent trends in Japan, China, India, and Islam. Lectures, discussions, and field trips. Also recommended for humanities and history students.

429A,B. Arts and Crafts for Teaching Exceptional Children (2) (2) (Planned for 1963-64)

Methods of using a variety of art materials and processes with emphasis on those experiences which meet the needs of retarded or handicapped children.

432. Elementary School Art Education (2) F, S

Prerequisite: Ed. 311, Art 300 or the equivalent, or consent of the instructor. Objectives and methods of the elementary art program. Studio activities, creative experience and techniques appropriate to the elementary school. Lectures and studio projects. Required of elementary teaching credential candidates.

442. Secondary School Art Education (2-3) S

Prerequisites: Education 311, Education 340, senior standing, or consent of the instructor. Objectives, methods, and materials for teaching art in secondary schools. Required, before student teaching, of students presenting majors in art for the General Secondary Credential. Students without teaching experience must register for three units credit, and must allow sufficient time in their schedules, at the same hour each day, so they can serve as teacher aides in high school.

453A,B. Display and Exhibition Design (2) (2) (Planned for 1963-64)

A course in the appropriate and creative use of materials, processes, and design concepts as they relate to the special problems involved in the planning and preparing of displays, exhibits, bulletin boards, wall cases, and art portfolios.

481. Special Studies in Art History and Appreciation (1-3) S

Prerequisite: permission of the instructor. Opportunities for intensive study and evaluation in one area of art history and appreciation.

483A,B,C,D,E. Special Studies in Design (1-3) F, S (Formerly Art 480)

Prerequisite: permission of the instructor. Opportunity for intensive study in the following design areas: (A) Advertising Design; (B) Interior Design; (C) Design and Composition; (D) Display Design; (E) Textile Design. Each area listed may be repeated to a maximum of eight units, but no more than three units of credit may be obtained in any one area in a single semester.

485A,B,C,D. Special Studies in Crafts (1-3) F, S (Formerly Art 450)

Prerequisite: permission of the instructor. Opportunity for intensive study in the following craft areas: (A) Jewelry; (B) General Crafts; (C) Ceramics; (D) Weaving. Each area listed may be repeated to a maximum of 8 units but no more than 3 units of credit may be obtained in any one area in a single semester.

487A,B,C,D. Special Studies in Drawing and Painting (1-3) F, S
(Formerly Art 410)

Prerequisite: permission of the instructor. Opportunities for intensive study in the following areas: (A) Painting; (B) Life Drawing; (C) Drawing; (D) Printmaking. Each area listed may be repeated to a maximum of eight units but no more than three units of credit may be obtained in any one area in a single semester.

DEPARTMENT OF MUSIC

The Department of Music offers courses in music for both majors and nonmajors. The fundamental purpose of the music major curriculum leading toward the baccalaureate degree is to provide the necessary training in each of the related aspects of music such as its history and literature, theoretical studies, and musical performance. Such a program of studies is based on the need to provide serious students with a core curriculum which will prepare the individual in such areas as (a) the knowledge of the history and relationships of music as an art form, (b) a comprehensive and analytical understanding of musical literature, (c) a working knowledge of music theory and structure, (d) a high degree of competence in a performing field, and (e) a specialization within the major.

The music program is designed to educate:

1. Students in general, in terms of composite minors, music minors, or broad offerings in the humanities and/or liberal arts.
2. Students preparing to teach in the secondary schools, with a major field concentration in music.
3. Students preparing to teach in the elementary schools with a major field concentration in music (special music teachers).
4. Students preparing to teach in the junior colleges and four-year colleges with a major field concentration in music.
5. Students preparing to teach as classroom teachers in the elementary school completing work in basic musicianship and music methods for teaching general elementary classroom music.
6. Students wishing to prepare for various vocations in music, such as:
   a. Church music directors and organists
   b. Private teachers of music
   c. Music librarians
   d. Professional performers of music
   e. Composers and arrangers
   f. Industrial and recreational music directors

REQUIREMENTS OF THE DEPARTMENT OF MUSIC

1. Proficiency tests in Piano, Voice, and Theory will be given all music majors at the time of entrance to Orange County State College, or to OCSC lower division students prior to acceptance in upper division music-major sequence. These examinations are designed to demonstrate competency in the major performance areas and music theory and to satisfy credential requirements in the minor performance fields. Students felt to be deficient in these areas will be expected to take additional work as suggested by the faculty adviser.
2. Music majors will be expected to declare an area of performance concentration, with the approval of the Department Chairman and faculty adviser, no later than the beginning of the junior year. It will be expected that each student will prepare for suitable development within this major area of performance, culminating in the successful presentation of a senior recital before he may

be approved for graduation. The following steps should be taken as a part of this preparation:

a. Declaration of an area of performance concentration (voice, piano, instrument, or combination solo instrument or voice and conducting) at the beginning of the junior year.

b. Demonstration of performance progress before a faculty jury during each semester.

c. Appearance in at least one minor recital or an assisting performer at least once each semester.

3. Music majors and minors, including humanities majors and elementary credential candidates electing music as a first or second field will be required to participate in a music activity each semester. Music majors are required to participate in a large ensemble each semester. Instrumental and piano majors are required to take part in small ensembles for a minimum of two semesters in addition.

4. A maximum of 6 upper-division units in music activities can be counted toward the bachelor of arts degree, not more than 4 of which can be in any one activity.

5. The major area of performance concentration for major in music requires work in applied music, as follows:

a. Piano majors—A minimum of 4 semesters of applied piano, upper division level.

b. Voice majors—A minimum of 4 semesters of applied voice, upper division level.

c. Instrumental majors—A minimum of 4 semesters of applied music on the major instrument, upper division level.

6. Proficiency requirements for music majors, not in the area of performance concentration will be expected as follows:

a. All students will be required to take voice and keyboard proficiency examinations at the beginning of the junior year. Additional work in class or applied piano or voice will be expected for students not demonstrating a reasonable level of proficiency in both fields.

b. Where no courses in voice or piano have been taken in the lower division, students will be expected to take a minimum of 4 semesters of both piano and voice at least 1 unit of which should be in applied (private) instruction.

c. A credential proficiency examination in both piano and voice must be satisfactorily passed before music majors may begin directed teaching. These tests are usually given at the end of the junior year.

7. Senior transfer students entering Orange County State College with a major in music, or graduate students in music entering to complete credential requirements will be expected to complete a minimum of one semester of successful upper division work in music before they may be approved for directed teaching. Courses so transferred and competencies expected of all OCSC music majors must be satisfied prior to endorsement by the faculty committee for acceptance in the credential program.

8. Teaching credential music majors may plan to teach at elementary and secondary levels according to provisions of the subject field major of the general secondary credential. Therefore, all candidates for teaching credentials must complete a fifth year required under the revised credential program. Persons expecting to teach in the elementary schools as a special teacher of music should seek advisement concerning appropriate courses in Elementary Education.

9. All majors will be expected to enroll in Concert Music 440 each semester.
10. Major students expecting to qualify for teaching credentials must meet all college requirements in general education and special requirements for certification (including those of the Division of Education and Psychology). A grade point average of 2.5 is required by the Department before candidates will be recommended for teaching credentials.

FEES FOR APPLIED MUSIC

Applied Music (private instruction in voice or major instrument), per lesson $1.00-$6.00.

Average fee, including 16 half-hour lessons and examination, per semester $70.00.

PROFICIENCY EXAMINATIONS IN MUSIC *

For Admission to Junior Year

Piano: 1. Chords—Students should be able to play accompaniments to folk songs with chord in right hand and a harmonization of folk songs with chord in left hand.

2. Scales—Familiarity and facility to play major and minor scales each hand alone, or hands together; and to play scale melodies (i.e., "First Noel") with proper fingering for each key.
3. Transposition—ability to transpose through analysis (a) scale melodies (see above), and (b) melodies with simple background, (c) transpose to adjacent keys chord successions of I, IV, V_7 in four voices, two voices to each hand.
4. Sight reading—Material such as "Sight Reading Made Easy Book 3" Bradley and Tobin (Mills) or other material of comparable character.
5. Musical coverage—application of musicality in selected materials from State Series music texts, "America," "America the Beautiful," etc.

Voice:

1. Demonstrate, through application, correct principles of tone production, breathing, diction, and interpretation
2. Sing two songs of moderate difficulty, representative of different periods; such as classical, romantic, modern
3. Sing at sight with reasonable accuracy any part of a four-part hymn or chorale.

Prior to Admission to Student Teaching

(No later than first semester of senior year)

Piano:

1. Harmonization at sight; material from State Series music texts
2. Sight reading from accompaniment edition of a State Series Test, or equivalent
3. Transposition at sight of 2 or 4 voice score on two staves, level of "Cooper Square Chorister," Whitner (Carl Fischer) or "Troubadours," Nightingale (Fischer)
4. Ability to play a Bach two-part invention

Voice:

1. Demonstrate ability to apply tone, breathing, diction, interpretation with reasonable artistry as a performer
2. Sing at least one song from each of the following periods
   a. Classical
   b. Baroque
   c. Romantic
   d. Modern

* Proficiency examinations conducted by faculty jury.

3. Sing at sight, with reasonable accuracy any part of a four-part hymn
4. (Choral conducting majors) Ability to (a) describe and explain the ranges and treatment of various unchanged and changed voices, and (b) to conduct, at sight, an open four-part score.

The following are specific requirements and programs for the various areas of concentration within the major field of music:

(Baccalaureate Degree and Credential Majors)

BACHELOR OF ARTS IN MUSIC

(Minimum Requirements)

The non-credential program of studies leading toward the B.A. in music is designed to provide suitable preparation in such professional areas as (1) theory and composition, (2) performance, (3) non-teaching professions in music, (4) musicology, (5) undergraduate preparation for advanced degrees in music, and for (6) a liberal arts major in music. The music major, professional degree program shall consist of no fewer than 60 semester units, of which at least 32 shall be in the upper division. The following minimum requirements are basic to this degree objective.

Lower Division:

Theory and Basic Music		Total 15–18 units
Musicianship I, II, III	6 units	
Harmony I, II, III	9 units	
Theory Electives		
Musical Performance		Total 4–16 units
Performance activity: Large ensemble (Major field of performance) (1-1-1-1)	4 units	
* Principal Instrument or Voice	4 units	
(The music major must be able to perform with technical facility and depth of repertoire in the principal performing field sufficient to meet the needs of artistic self-expression and demonstration)		
* Piano (not principal)	4 units	
* Voice (not principal)	4 units	
Lower Division		Total 19–34 units

Upper Division:

Music History and Literature		At least 6 units
440A, B, C, D. Concert Music (½-½-½-½)	2 units	
441A, B. History and Literature of Music I, II	6 units	
Theory and Basic Music		At least 10 units
421A. Form and Analysis	2 units	
422A. Composition I	2 units	
423. Counterpoint I	2 units	
426. Orchestration	2 units	
Theory Elective, from 424 Music Theory IV, 422B Composition II, 424 Counterpoint II, 421B Form and Analysis II	2 units	

* Proficiency test given prior to acceptance in major program at beginning of junior year (see Requirements of Music Department). Lower division deficiencies in applied music (principal instrument-voice, and functional piano and voice) in some circumstances may be made up in upper division upon faculty recommendation. It is strongly advised that potential music majors present evidence of concentrated work in a major performing field begun several years prior to college entrance and which is directed toward complying with required proficiency standards.

Musical Performance ..... At least 10 units

311A, B, C, D (1-1-1-1) ..... 4 units
312A, B, C ..... 2 units
471. Principal Instrument or Voice ..... 4 units
473. Class Piano for Majors (not principal)
or
477. Class Voice (not principal) ..... 1 unit
481A, B, C, D. Orchestral Instruments ..... 4–8 units
499. Senior Recital

Specialization Within the Major ..... At least 6 units

To provide depth of content in specialized areas within the major at least 6 units are required to give additional preparation in such areas as:

Arranging
Composition
History and Literature of Music
Conducting
Performance
Piano Pedagogy
Orchestration
Instrumentation

The following courses may be used to satisfy specialization requirements:

421B. Form and Analysis II
422. Composition II
424. Counterpoint II
425. Music Theory IV
431A. Keyboard Harmony I
444. 20th Century Music
445. Keyboard History and Literature
467. Piano Pedagogy
471. Applied Music
491A, B. Choral Conducting
492A, B. Instrumental Conducting

Minimum Upper Division ..... Total 32 units

BACHELOR OF ARTS IN MUSIC—TEACHERS OF MUSIC

(Minimum Requirements)

The B.A. program for students seeking teaching credentials is designed for music specialists in either the elementary or secondary schools, with suitable areas of emphasis in choral or instrumental music. Although this program leads to the baccalaureate degree at the end of the fourth year, the credential program requires an additional year of graduate study, for a total of five years. In addition to public elementary and secondary school music teaching, this program is designed to give basic professional preparation to students whose ultimate objective is (1) music supervision, (2) college teaching, and (3) advanced degrees in music education. The music major credential program shall consist of no fewer than 63 semester units, of which at least 32 shall be in the upper division.

REQUIRED COURSES

Secondary Teaching Credential

Lower Division:

Theory and Basic Music ..... Total 15–18 units

Musicianship I, II, III ..... 6 units
Harmony I, II, III ..... 9 units
Theory Electives

Musical Performance — Total 4–16 units

* Principal Instrument or Voice	4 units
* Piano (not principal)	4 units
* Voice (not principal)	4 units
Performance Activity—Large ensemble, major field of performance	4 units

Lower Division — Total 19–34 units

Upper Division:

Music History and Literature — At least 6–8 units

441A, B. History and Literature I, II	6 units
440A, B, C, D. Concert Music (½-½-½-½)	2 units

Theory — At least 10 units

421A. Form and Analysis	2 units
422A. Composition I	2 units
423. Counterpoint I	2 units
426. Orchestration I	2 units
Theory Elective, from 425 Music Theory IV, 422B Composition II, 424 Counterpoint II, 421B Form and Analysis II	2 units

Applied Music and Musical Performance — At least 21–25 units

411A, B, C. Large Ensemble (1-1-1-1)	4 units
412A, B, C. Small Ensemble (1-1)	2 units
471A-K. Applied Music (Private instruction, voice or major instrument) (1-1-1-1)	4 units
473. Class Piano, music majors (Pass proficiency test)	1–4 units
477. Voice Class for music majors (pass proficiency)	1–4 units
481A, B, C, D. Orchestral Instruments (strings, woodwinds, percussion, brass). (Instrumental majors must take maximum)	4–8 units
491. Choral Conducting	2 units
492. Instrumental Conducting	2 units
499. Senior Recital (voice or major instrument)	

Specialization Within the Major (Music Education) — At least 7 units

432. Music in the Elementary School	2 units
442. Music in the Secondary School	2–3 units
464 or 465. Organization of School Bands and Orchestras, or Choral Literature and Methods	2 units
488A, B, C. Major Emphasis Lab; Instrumental Ensemble Practice, Vocal Laboratory, or Piano Materials Lab.	1 unit

BACHELOR OF ARTS IN MUSIC FOR ELEMENTARY SCHOOL TEACHING

(Minimum Requirements)

The music major for elementary teaching is designed primarily for the classroom teacher whose major field of study is music. This degree program is *not* designed for the music specialist, nor does it prepare for advanced degrees in music or

* Proficiency test given prior to acceptance in major program at beginning of junior year (see Requirements of Music Department). Lower division deficiencies in applied music (principal instrument-voice, and functional piano and voice) in some circumstances may be made up in upper division, upon faculty recommendation.

music professions. This major consists of no fewer than 36 semester units, of which at least 24 units must be upper division. The following distribution of subject matter and competencies shall be considered to be the core of this major:

REQUIRED COURSES

Elementary Teaching Credential

Lower Division:

Theory and Basic Music — Total 8–12 units

- Musicianship I, II, III — 6 units
- Fundamentals of Music for Elementary Teachers — 2–3 units
- Note: Theory electives are strongly recommended from the following: Harmony I, II, III; Keyboard Harmony

Musical Performance — Total 4 units

(May include music activities and applied music.)

Lower Division — Total 12–16 units

Upper Division:

Theory and Basic Music — Total 4–6 units

Theory Electives from — 4–6 units

- 326. Elementary School Arranging (2)
- 420. Structures of Music (2)
- 421A, B. Form and Analysis (2, 2)
- 422A, B. Composition I, II (2, 2)
- 423, 424. Counterpoint I, II (2, 2)
- 425. Music Theory IV (2)
- 426. Orchestration (2)
- 431A. Keyboard Harmony (2)

History and Literature of Music — Total 6–8 units

- 440A, B, C, D. Concert Music (½-½-½-½) (required of all majors) — 2 units
- 343. Music in Our Society — 3 units
- 453. Children's Literature in Music — 2 units

History and Literature Electives from:

- 441A, B. History and Literature I, II (3, 3)
- 444. 20th Century Music (2)
- 445. Keyboard History and Literature (2)

Musical Performance — Total 8–10 units

- 311, 312. Ensemble (1-1-1-1) — 4 units
- 471B. Piano, Applied, or 472. Class Piano, Non-majors, or 473. Class Piano, Majors — 1–2 units
- 477. Voice Class, Majors — 1–2 units
- Performance Electives — 1–2 units

Specialization in the Major — Total 6 units

Minimum core:

- 481A, B, C, D. Orchestral Instruments — 4 units
- 491 or 492. Conducting — 2 units
- 432. Music in the Elementary School — (2 units)
  (Professional Education Requirement — Not counted in total toward Major)

Upper Division — Total 24–30 units

Lower and Upper Division — Total 36–46 units

MINOR IN MUSIC

(General Secondary Teaching Credential)

Composite Lower Division and Upper Division:

A maximum of 12 units of Lower Division work may be counted toward the music minor.

Theory and Basic Music:

Theory Elective from:	*Units*	*Units*
Musicianship I, II, III Harmony I, II, III	8	10
One of: 421A. Form and Analysis 426. Orchestration	2	

History and Literature of Music:

One of: 441A or B. History and Literature of Music I or II 444. Twentieth Century Music	2–3	2–3
440. Concern Music (½-½-½-½)	2	½–2

*Applied Music:**

One of: 471A-K. Applied Music, major instrument or voice 473. Class Piano, music majors 477. Class Voice, music majors	2	8
One of: 491. Choral Conducting 492. Instrumental Conducting	2	
One of: 411. Large Ensemble (1-1-1-1) 412. Small Ensemble (1-1-1-1)	4	
Senior Recital (assisting, or as featured performer, semester recital)		

(Music 442 must be taken to accredit this minor.)

Total	20½

NOTE: All candidates for the B.A. Degree with the music major must complete specific requirements for area of concentration in addition to core of studies indicated above.

* Students expecting to use a minor teaching area in instrumental music are advised to take 481A,B,C,D, Orchestral Instruments in addition to above—4 units.

FOUR-YEAR BACCALAUREATE DEGREE PROGRAM IN MUSIC

RECOMMENDED UPPER DIVISION SEQUENCE FOR INSTRUMENTAL MUSIC CONCENTRATION

Junior Year

First Semester	*Units*	*Second Semester*	*Units*
311. Music Activity: (Large Ensemble)	1	311. Music Activity: (Large Ensemble)	1
312. Music Activity: (Small Ensemble)	1	312. Music Activity: (Small Ensemble)	1
421. Form and Analysis	2	423. Counterpoint I	2
422A. Composition I	2	440B. Concert Music	½
440A. Concert Music (Att. at specified concerts)	½	441B. History and Lit. of Music II	3
441A. History & Lit. of Music I	3	471. Applied Music (Voice or Major Instrument)	1
471. Applied Music (Voice or Major Instrument)	1	481B. Woodwind Instruments *	2
481A. String Instruments *	2	492A. Instrumental Conducting	2
491A. Choral Conducting	2	College Academic requirements and electives	4
College Academic requirements and electives	2		16½
	16½		

Senior Year

First Semester	*Units*	*Second Semester*	*Units*
311. Music Activity: (Large Ensemble)	1	311. Music Activity: (Large Ensemble)	1
426. Orchestration I	2	432. Elementary School Music	2
440C. Concert Music	½	440D. Concern Music	½
442. Secondary School Music	2–3	464. Organization of School Bands and Orchestras	2
471. Applied Music (Major Instrument)	1	471. Applied Music (Major Instrument)	1
481C. Orchestral Instruments—Brass	2	481D. Orchestral Instruments—Percussion	2
492B. Advanced Instrumental Conducting	2	499. Senior Recital	–
College Academic requirements and electives	5–6	College Academic requirements and electives	8
	16½		16½

* Instrumentation classes: 1 unit per semester for vocal concentration majors, junior and senior years; 2 units per semester for instrumental concentration majors.

RECOMMENDED UPPER DIVISION SEQUENCE FOR CHORAL MUSIC CONCENTRATION

Junior Year

First Semester	*Units*	*Second Semester*	*Units*
311. Choral Ensemble	1–2	311. Choral Ensemble	1–2
421A. Form & Analysis	2	423. Counterpoint I	2
422A. Composition I	2	426. Orchestration I	2
440A. Concert Music	½	440B. Concert Music	½
441A. History & Literature of Music I	3	441B. History & Lit. of Music II	3
471A. Applied Voice	1	471A. Applied Voice	1
*471B. Applied Piano or **473. Class Piano (Music Majors)	1	*471B. Applied Piano or **473. Class Piano (Music Majors)	1
481A. String Instruments	1	481B. Woodwind Instruments	1
491A. Choral Conducting	2	492A. Instrumental Conducting	2
College requirements and electives	1–2	College requirements and electives	1–2
	16½		16½

Senior Year

First Semester	*Units*	*Second Semester*	*Units*
311. Music Activity: (Large Ensemble)	1	311. Music Activity: (Large Ensemble)	1
440C. Concert Music	½	432. Elementary School Music	2
442. Secondary School Music	2–3	440D. Concert Music	½
471A. Applied Voice	1	465. Choral Literature and Methods	2
471B. Applied Piano or 473. Class Piano (Music Majors) or 474. Piano Accompanying	1	471A. Applied Voice	1
		481D. Orchestral Instruments—Percussion	1
481C. Orchestral Instruments—Brass	1–2	499. Senior Recital	–
491B. Advanced Choral Conducting	2	College Academic requirements and electives	9
College Academic requirements and electives	6–8		16½
	16½		

* May be waived by proficiency examination.
** If student does not have piano proficiency for this class he must take 472 or 471B.

RECOMMENDED UPPER DIVISION SEQUENCE FOR PIANO CONCENTRATION

Junior Year

First Semester	*Units*	*Second Semester*	*Units*
311. Music Activity: (Large Ensemble)	1	311. Large Ensemble	1
312. Music Activity: (Small Ensemble)	1	312. Small Ensemble	1
421A. Form and Analysis	2	423. Counterpoint I	2
422A. Composition I	2	422B. Composition II	2
440A. Concert Music	½	431B. Keyboard Harmony II	2
441A. History & Lit. of Music I	3	440B. Concert Music	½
431A. Keyboard Harmony I	2	441B. History & Lit. of Music II	3
471B. Applied Piano	1	471B. Applied Piano	1
477. Voice Class	1	481B. Woodwind Instruments	1
481A. String Instruments	1	491. Choral Conducting	2
Electives	2	Electives	1
	16½		16½

Senior Year

First Semester	*Units*	*Second Semester*	*Units*
311. Large Ensemble	1	311. Large Ensemble	1
424. Conterpoint II	2	432. Elementary School Music	2
426. Orchestration	2	440D. Concert Music	½
440C. Concert Music	½	442. Secondary School Music	2
445. Keyboard History & Literature	2	467. Piano Pedagogy	2
471B. Applied Piano	1	471B. Applied Piano	1
474. Piano Accompanying	2	481D. Percussion Instruments	1
481C. Brass Instruments	1	Electives	7
Electives	5		16½
	16½		

FIVE-YEAR CREDENTIAL PROGRAM IN MUSIC

(General Secondary Credential, Music Major)

Refer to credential requirements, Education Division, 1962-63 Catalog.

In addition to the major field requirements, candidates for the general secondary credential must complete a minimum of 20 units in another field for a liberal arts minor. It is suggested that the above four-year sequence be modified and expanded by advisement of the major field adviser (music), professional adviser (education), and minor field adviser to include recommended courses beginning in the junior year.

The following is an example of a modified program leading toward the five-year credential major:

Junior Year (both semesters)	*Units*
Music Courses	20–25
Liberal Arts Minor Courses	5–10
Practicum in Secondary Education (Ed. 340A, B)	2
Senior Year	
Music Courses	14–19
Liberal Arts Minor Courses	5–10
Professional Education Courses (Ed. 311, 441)	8

Postgraduate Year	*Units*
311, 312. Ensembles	2–4
331 or 491. Audio Visual	2
549. Student Teaching	10
488. Major Emphasis Laboratory (A, B, or C)	1
Philosophy of Education (Ed. 501)	2
599A. Preparation for Graduate Recital	1
599. Graduate Recital	–
Electives	12–17

MINOR IN MUSIC

(Second Field, Humanities Major)

Students pursuing a humanities division group major in one of the specified first fields may select music as a second field. A minimum of 9 upper division units in music is required for a second field and should be preceded by lower division work in theory, appreciation, and performance.

RECOMMENDED COURSES

Theory	*Units*
420. Structures of Music	2
History and Literature	
443. Music in Our Society	3
Applied Music, Musical Performance	
411. or 412. Large or Small Ensembles (1-1-1-1) (By advisement)	4
Total	9

Music Electives

Music minors are strongly urged to supplement the above program by including one or more of the following courses:

421A. Form and Analysis I	2
441B. History and Literature of Music II	3
471B. Applied Music, Piano *or*	
472. Class Piano for Non-Majors *or*	
471A. Applied Music, Voice *or*	
477. Voice Class for Music Majors *or*	
471C, D. Applied Music, Major Instrument	1

MUSIC COURSES FOR GENERAL ELEMENTARY CREDENTIAL CANDIDATES

REQUIRED COURSES

	Units
Mu. 332. Fundamentals of Music for Elementary School Teachers	3
Mu. 432. Music in the Elementary School	2

ELECTIVES

453. Children's Literature in Music (2)

471B. Applied Piano or 472 Piano for Non-Majors (1). Required for kindergarten-primary specialization

477. Class Voice for Music Majors (1). Strongly recommended for those having little or no previous experience in basic vocal techniques and singing

CREDENTIAL REQUIREMENTS

1. Candidates for the General Secondary Credential, with a major in music must complete OCSC general education and Education Division requirements, including a year of postgraduate work beyond the baccalaureate degree. Music Department requirements for the General Secondary include those specified for the Special Secondary Credential in Music. Preparation for the General Secondary Credential with a major in music is designed for teachers of music in the public elementary, junior and senior high schools, and junior colleges of the State of California.
2. Candidates for the General Elementary Credential, with a liberal arts major in music must meet all OCSC general education and Education Division requirements. Preparation is designed as a broad-field major area of liberal arts work in music, designed to improve competence and understanding in music theory, literature, performance, and pedagogy which may enrich the candidate's performance as a general elementary classroom teacher. This is not a teaching major (specialist) in music.

MUSIC COURSES

UPPER DIVISION

Music Activities

311. Large Ensembles

A. Concert Orchestra (College Symphony) (1) F,S
Open by audition to college students and qualified adults in the community. Performs standard representative symphonic works.

B. Chorus (1) F,S
Open to all students interested in singing. Performs worthwhile music literature and at least one major choral work during the year.

312. Small Ensembles

A. String Orchestra (1) Offered upon sufficient demand
Open to qualified string students by audition or consent of instructor. Performs representative string literature.

B. Wind Ensemble (1) F,S
Open to qualified wind students by audition or consent of instructor. Performs representative wind ensemble literature.

C. Vocal Ensemble (1) Offered upon sufficient demand
Open only to students recommended by instructor or adviser. Preparation of programs for radio, TV, and public engagements.

D. Chamber Music Ensembles (1) F,S
Open to all qualified wind, string or keyboard students. Various ensembles will be formed to study, read, and to perform representative chamber literature of all periods.

Theory and Basic Music

420. Structures of Music (2) F, S

Prerequisite: Consent of the instructor. A non-technical course in the study of the form and design of music. Designed to acquaint elementary credential candidates and humanities majors with the elements of musical structure, as applied o masterpieces of musical literature.

421A. Form and Analysis I (2) F

Prerequisite: Consent of the instructor. Analysis of structural elements of music such as motive, phrase, and period; binary, ternary, rondo, and sonata-allegro forms in representative musical works.

421B. Form and Analysis II (2) S (Planned for 1963-64)

Prerequisite: Music 421A and consent of the instructor. Analysis of the larger musical forms.

422A. Composition I (2) F

Prerequisites: Elementary counterpoint, Music Theory I and II. Ear training, analysis of smaller forms, simple composition of two-three part song form styles.

422B. Composition II (2) S

Prerequisite: Composition I. Analysis and writing of more complex musical forms.

423. Counterpoint I (2) F

Prerequisites: Musicianship I and II. Basic 18th century counterpoint in two, three, and four parts.

424. Counterpoint II (2) S

Prerequisites: Counterpoint, Music Theory I, II, III, and consent of the instructor. Double counterpoint, canon, and fugue forms.

425. Music Theory IV (3) S (Offered alternate years, beginning 1963-64)

Prerequisite: Music Theory III and consent of the instructor. Advanced Harmony for composition and theory majors.

426. Orchestration I (2) S

Prerequisite: Music Theory II and consent of instructor. Writing an analysis of Orchestral music.

431A. Keyboard Harmony I (2) F

Basic principles of harmonic structure as applied to the piano. Diatonic harmony and chromatic alterations.

Music History and Literature

440A,B,C,D. Concert Music (½-½-½-½) F, S

Open to all students interested. Required of all music majors. Weekly seminar and attendance at specified music department and off-campus recitals and concerts.

441A. History and Literature of Music I (3) F

A study of the history and literature of music from early Greek beginnings through the Renaissance.

441B. History and Literature of Music II (3) S

Prerequisite: History and Literature of Music I. A study of the history and literature of music covering the Baroque, Classic, Romantic, and 20th Century.

343. Music in Our Society (3) F, S (Formerly 443)

Open to all students interested. A non-technical course designed to increase interest and understanding of music in its relation to our general culture.

444. Twentieth Century Music (2) F

Developments in the music of Western Europe and the Western Hemisphere since 1890. Intensive study of contemporary music and its structure.

448. Collegium Musicum (2) S

The study and performance of rare and old music, both instrumental and vocal. Techniques of musical research will be applied. Students should be competent performers.

Music Education

332. Fundamentals of Music for Classroom Teachers (3) F, S

The study and application of music theory as applied to skills needed as a prerequisite for Mu 432, Music in the Elementary School (methods). Includes basic theory, musicianship and practical application of techniques of singing and playing

basic instruments such as the piano, autoharp, recorder and song bells. Required of all elementary credential candidates who have not previously completed the course prior to entrance at OCSC.

410. Special Projects in Music Education (1-3) F, S

Advanced projects relating to particular areas of teaching specialization for teachers and supervisors of music. Instructor's permission required.

432. Music in the Elementary School (2) F, S

(Same as Elementary Education 432) Prerequisite: Fundamentals of music for elementary teachers, or successful completion of proficiency test. Required of all music education majors and classroom teachers. The study and application of music in the modern elementary school. Problems, methods, and materials, including such areas as singing, listening, rhythms, use of instruments, creative music, music for special interests, and music correlated with other areas of the elementary school curriculum. Required of all elementary teaching credential candidates.

442. Secondary School Music Education (2-3) F

Prerequisite: 20 units in music, Education 311, Education 340, senior standing or consent of the instructor. Required before student teaching of all music majors working for the General Secondary Credential. Problems, materials, and methods of organization and teaching music in the secondary school. Emphasis on the content of the general music class, choral, and instrumental program. Students without teaching experience must register for three units credit and must allow sufficient time in their schedules at the same hour each day so that they can serve as teacher aides in high schools.

453. Children's Literature in Music (2) S

Prerequisite: 432 Music in the Elementary School, or consent. A survey of books and listening materials for pre-school and elementary age children, with techniques of presentation. Designed for the classroom teacher or non-music major.

464. Organization of School Bands and Orchestras (2) S

Study of problems, materials, organization and methods of teaching the school marching band, concert band, and concert orchestra.

465. Choral Literature and Methods (2) S

Study of choral literature, with particular reference to use in public schools, colleges, community and adult education. Methods of instruction in actual use with choirs and choruses.

467. Piano Pedagogy (2) S (Planned for 1963-64)

May be taken concurrently with 549, Directed Teaching. Fundamentals of piano pedagogy, with reference to studio and public school teaching. Organization, materials and methods of teaching piano in beginning, intermediate, and advanced classes.

468. Supervision and Administration of Music Education in the Public Schools (2) S

Graduate level course open to graduate music education majors with teaching experience. Philosophy, principles and practices in the public elementary and secondary schools. Emphasis on modern principles of leadership, types of services, organization, management, and evaluation of programs of instruction. Required of candidates for supervisory credential.

APPLIED MUSIC

Musical Performance

471. Applied Music, Major Instrument or Voice (1-1-1-1) F, S

Individual on-campus lessons with approved instructors. Required of all music majors. Special fee.

471A. Voice Lessons, Intermediate, and Advanced

471B. Piano, Intermediate, and Advanced

471C. Violin, Intermediate, and Advanced

471D. Viola, Beginning, Intermediate, and Advanced

471E. 'Cello, Beginning, Intermediate, and Advanced

471F. String Bass, Beginning, Intermediate, and Advanced

471G. Woodwinds, Intermediate, and Advanced (Clarinet, Flute, Oboe, Bassoon)

471H. Brass, Intermediate, and Advanced (Trumpet, Trombone, French Horn, Baritone, Tuba)

471J. Percussion, Intermediate, and Advanced

471K. Organ, Intermediate and Advanced

471L. Composition, Advanced

471M. Choral Conducting, Advanced

471N. Instrumental Conducting, Advanced

472. Elementary Class Piano for Non-Music Majors (1) F

Prerequisite: permission of the instructor. Elementary class instruction in basic piano techniques, with special emphasis on application to appropriate song materials and simple accompaniments used in the elementary school. Required of candidates for general elementary credential who specialize in primary education. (May be waived upon successful completion of proficiency test.)

473. Class Piano for Music Majors (1) F, S

Prerequisite: permission of the instructor. Designed to meet music major piano requirements. Fundamentals of keyboard technique for those having little or no previous piano experience.

474. Piano Accompanying (2) S (Planned for 1963-64)

The study and application of playing accompaniments for instrumentalists, vocalists, and ensembles. Participation in rehearsals, recitals, and concerts required.

477. Voice Class for Music Majors (1) F, S

Prerequisite: permission of the instructor. Designed to meet voice requirement for instrumental music and piano majors and to prepare candidates for proficiency requirement for teaching credential. Primarily for students whose major performing medium is not voice.

481. Orchestral Instruments (2-2-2-2) * F, S

Required of all candidates for general secondary teaching credential.

A. **String Instruments (1-2) F**
Specialization on violin, with related work on standard instruments of the string family.

B. **Woodwind Instruments (1-2) F**
Specialization on clarinet, with related work on standard instruments of the woodwind family.

C. **Brass Instruments (1-2) S**
Specialization on trumpet, with related work on standard instruments of the brass family.

D. **Percussion Instruments (1-2) S**
Specialization on snare drum, with related work on standard instruments of the percussion family.

*Voice and piano majors are required to take a minimum of 4 units of orchestral instruments (1-1-1-1).

488. Major Emphasis Laboratory (1) F, S

A. Instrumental Ensemble Practice. To be taken concurrently with Directed Teaching, Ed. 549.

A review of the literature used in teaching instrumental music classes, band, and orchestra in the public elementary and secondary schools. Performance on minor instrument in class sessions.

B. Vocal Materials Lab. To be taken concurrently with Directed Teaching, Ed. 549.

A review and performance of vocal literature used in teaching.

491A. Choral Conducting (2) F

Principles, techniques, and methods of conducting choral groups. Laboratory work with class and vocal ensembles, using standard choral repertoire. Required of all music education majors.

491B. Advanced Choral Conducting and Interpretation (2) F

Prerequisite: Music 491A. Advanced problems in choral conducting techniques, with emphasis on laboratory work with student groups and in concert conducting.

492A. Instrumental Conducting (2) S

Principles, techniques, and methods of conducting orchestral and band groups. Laboratory experience in conducting instrumental groups, using standard instrumental literature.

492B. Advanced Instrumental Conducting and Interpretation (2) F

Prerequisite: Music 492A. Advanced problems in baton technique and conducting, with emphasis on laboratory work with student groups and in concert conducting.

499. Senior Recital S

Presentation of a public recital in major area of performance concentration.

599A. Preparation for Graduate Recital (1) F

Concentrated preparation of repertoire to be presented in the graduate recital. Required of all graduate music majors.

599B. Graduate Recital F, S

Presentation of a public recital in major area of performance concentration.

DEPARTMENT OF SPEECH AND DRAMA

The Department of Speech and Drama provides for instruction in such areas of oral communication as public address, discussion, and oral interpretation; in drama through courses in play production, theatre history and literature, and radio-television; and in the principles and practices of speech and hearing therapy. The course work provides for a *Major in Speech* with emphasis in (a) public address and group discussion, (b) interpretation, theatre, and radio-television, and (c) speech therapy and audiology. *Credential programs* are provided for (a) the teaching of secondary school speech and drama, (b) a twenty-four unit major in speech and drama for elemetary school teaching, (c) an inter-departmental major in language arts, and (d) a special credential program in speech therapy and audiology. *Minor programs* are developed according to individual need.

In addition, specialized course work is provided in the fields of oral communication and dramatic activity for business majors, prospective teachers whose major and minor programs are in other areas but who wish to enhance their skill and understanding in the oral aspects of teaching and learning, and for all who wish specific instruction in the professional or cultural phases of oral communication, drama, or speech and hearing therapy.

For both the regular and the part-time students, a comprehensive forensic program including debate and individual contest events is conducted for various meets and tournaments throughout the year. A program of dramatic activities which includes four major presentations each year as well as opportunities to participate in off-campus events is maintained. This will, of course, be greatly expanded as soon as more permanent facilities are available. For the students in the speech and hearing habilitation program, opportunities for work in the campus clinic, in public schools, and in the specialized county and community institutions for the speech and hearing handicapped, both children and adults, are provided. The Department of Speech and Drama seeks in all ways possible to develop an appreciation of the importance of skillful and responsible oral communication in our society.

MAJOR IN SPEECH

Unit requirement: 36

Lower Division: In addition to the basic course used to meet the General Education requirement in oral expression, twelve units in the general areas of speech and drama such as fundamentals of speech, public speaking, discussion, oral reading, play production, radio-television may be accepted.

Upper Division: A minimum of twenty-four units. If the student has less than twelve units in speech and drama to transfer from the lower division, certain courses on the upper division level may be used to bring the total unit requirement to thirty-six.

Course and Concentration requirements: Six units (upper and/or lower division) from *each* of the following groups: (Specific courses in these groups may be noted in the list of course offerings to follow.)

I Public Address and Discussion

II Interpretation, Theatre, and Radio-Television

III Speech Therapy and Audiology

A concentration of not less than eighteen upper and lower division units is required in *one* of the above groups.

CREDENTIAL PROGRAMS

Secondary: A major in speech and drama as indicated above.

Elementary: 24 units, 18 of which must be from the upper division including the following specific courses:

Speech 301, 311, 402, 403, 434

LANGUAGE ARTS

Language Arts combines courses in English, speech and journalism. This major, providing a broad background in the areas of oral and written communication, is designed for the teacher in the elementary school, where a basic function is to help children learn to read, write, speak, and listen effectively.

Requirements (beyond the General Education course in writing and literature or Basic Communication): a minimum of 36 units, 24 of which must be in the upper division.

Lower Division: Maximum of 12 units. If these are not included in lower division, certain courses can be taken on the upper division level, but these cannot then be used to meet the upper division minimum requirements.

World, American, or English literature

Course work in speech or drama

Course work in journalism

Composition (may be second semester of Basic Communication or English)

Upper Division: (Minimum of 24 units). *Units*

English courses, at least one elected from each of these three groups 9
- English 321 or 322
- English 324 or 325
- English 334

An advanced course in writing or Journalism 331 or 338, B, C 3

Speech Courses, at least one elected from each of these three groups 7-9
- Speech 301 or 401
- Speech 311, 314, or 402
- Speech 334, 403, 404, or 424

Electives from speech, English, or journalism to complete the 24 unit upper division minimum requirement 3-5

SPEECH THERAPY AND AUDIOLOGY

It is recommended that students planning to emphasize the speech therapy area arrange their programs to lead toward the basic certification in speech and hearing through the American Speech and Hearing Association, which will qualify them for clinical positions as well as the special requirements of the public school therapists. Among the requirements established by the National Association, those *italicized* below are offered by the Department of Speech and Drama.

General requirements for basic speech certification include:

1. A bachelor's degree or higher, preferably with emphasis in speech therapy and audiology
2. An elementary or secondary teaching credential
3. Course requirements as follows:

A. Basic Areas 6

Anatomy and physiology of the ear and vocal mechanism (Speech 351), *phonetics* (Speech 341), *semantics* (Speech 404), speech and voice science, psychology of speech, experimental phonetics, and similar areas.

B. Specialized, professional course content in speech correction and speech pathology:

Course content 12

At least *two courses in speech correction* and/or speech pathology. (Speech 441, 443.)

Elective:

Stuttering, voice disorders, articulation disorders, *cleft palate, aphasia, cerebral palsy,* and similar areas. (Speech 557 series.)

Clinical practicum:

At least 200 clock hours. (Speech 458.)

C. Specialized, professional course content in audiology 3

Hearing problems and the testing of hearing. (Speech 461.)

Electives:

Introduction to audiology, auditory training, *speech reading* (Speech 462), speech for the acoustically handicapped, problems of the child with a hearing loss, and similar areas.

D. Education 452 and 472

E. Other areas 9

F. Professional experience:

One year of preregistered experience following the completion of the above listed academic requirements.

Minor Programs in Speech and Drama

Unit requirement—20, 11 of which must be in upper division. Not available to students who elect a major in language arts. For all other majors, the program is tailor-made for the needs of the individual student. No specific course requirements.

I. Public Address and Group Discussion

321. Introduction to Parliamentary Procedure (2) F, S

Application of the fundamentals of parliamentary procedure to the organization and functioning of groups.

322. Conference Speaking (3) F

The development of conferences with special emphasis on the methods by which groups can give effective public expression to their thinking. Consideration of preparation and presentation of the panel, the open forum, the symposium, and the use of parliamentary procedure.

331. Public Speaking (3) F, S

Preparation and presentation of various types of public speaking. Particular emphasis is given to the substantive development and organization of materials. Open to students who have had a beginning course in public speaking, fundamentals of speech, or the consent of the instructor.

332. Speech and Speech Evaluation (2) F, S

The development of skill in platform speaking through the use of critical listening and constructive evaluation. May be used to satisfy General Education requirement for oral expression.

333. Business and Professional Speaking (2) S

Particular attention is given to the interview, sales talk, and speeches for special occasions such as introductions, goodwill talks, and information giving.

334. Advanced Platform Speaking (3) S

Prerequisite: Speech 331 or equivalent. Investigation of modern rhetorical theory as applied to platform speaking. Particular attention to the use of various techniques under specific circumstances.

335. Argumentation and Debate (3) F

Argumentation as applied to formal speaking and debate. Special attention is given to logic and evidence as related analysis of significant questions for debate; case structure, and refutation.

338. Forensic Workshop (1) F, S

Directed activity in debate and other forensic events. Participation in intercollegiate competition is required for credit. (May be repeated for a total of four units.)

424. Discussion and Group Leadership (3) S

The principles and practices of small groups in discussion with special emphasis on committee work, sensitivity training, problem solving, and preparation for group consideration of ideas in education, business, and community.

434. American Public Address (3) F, S

Prerequisite: Senior standing or consent of the instructor. A rhetorical history of the United States from the colonial period to the present. The influence of selected speeches and speakers on the development of American culture.

436. Survey of Rhetoric (3) S

Prerequisite: Speech 434 or six hours of upper division speech. A survey of ancient, medieval and modern rhetoric.

444. Persuasion (3) S

Prerequisite: Speech 334 or 335 and consent of the instructor. The study and application of psychological principles used by writers and speakers to effect social control: audience analysis and the use of persuasive techniques to influence the belief and conduct of groups and individuals.

II. Interpretation, Theatre, and Radio-Television

311. Oral Reading (3) F, S

The principles and practice of reading aloud from the printed page. Analysis of selections from prose and poetry are emphasized. The development of voice control and projection of idea and motion.

314. Reading Theatre (3) S

Oral reading in which the emphasis is placed on group and individual reading of dramatic literature.

378A and B. Experimental Theatre (3 and 3) F, S

An activity course in which dramatic principles are applied through production of full length and one-act plays using various styles of acting and staging. Opportunities are given for student directors to prepare and to present experimental productions.

382. Television Techniques (3) F

Survey of the development and current trends in television techniques, programming, and production.

383. Radio and Television Writing (3) S

Study of the principles and practices and experience in the writing of scripts and other forms of continuity for both radio and television.

473. Analysis of Drama (3) F

Nature and purpose of drama as a living art. A study of the changing forms in the theatre and the influence of these forms on the culture of the time.

475. History of the Theatre (3) S

Development of the physical stage, styles of acting, makeup, costuming types, and forms of drama from ancient to modern times.

484. Educational Television Production (3) F, S

Some of the activities, methods of lesson preparation, and presentation of educational television productions.

III. Speech Therapy and Audiology

302. Voice and Diction (2) F, S

Provides for speech improvement of the individual student through the study and practice of correct sound formation, voice production, and manner of speaking. Required of students who fail to pass the speech proficiency test for teaching.

308. Speech Improvement Laboratory (1) F, S

Two hours of laboratory to be taken concurrently with Speech 302 by students in the teacher preparatory program who fail the speech proficiency test. May be taken independently by any student wishing individual help with a speech problem. This course provides training in articulation, voice control, and vocabulary. Special fee.

341. Phonetics (2) F

The study of speech sounds and the various factors influencing articulation and pronunciation. Consideration is given to the historical development of American speech and the resultant dialects.

351. Speech Science (2) S

Anatomy and physiology of the speech and hearing mechanisms.

441. Introduction to Speech Correction (3) F, S

Prerequisite: Speech 302 or 341. Speech correction with special emphasis on the identification of the most commonly experienced speech problems; basic principles of therapy in the clinic and in the classroom; importance of referral, parent conferences, mental health, etc.

443. Advanced Speech Correction (3) F, S

Prerequisite: Speech 441 or equivalent. Etiologies, diagnosis, and remedial procedures of speech defects and voice problems, both functional and organic, and certain major disorders including stuttering, cleft palate, cerebral palsy, aphasia, and tongue thrust.

452. Methods in Speech Correction (3) F, S

Prerequisite: Speech 443 (may be taken concurrently). Observation and supervised experience in recommended procedures and use of instructional aids with speech-handicapped children, including the preparation and utilization of speech correction and speech improvement materials.

458. Clinical Practice (2) F, S

Prerequisite: Speech 443 and concurrent registration in Speech 452 or consent of the instructor. Practice in the correction of the speech of children and adults under supervision. May be repeated for a total of 6 units.

461. Audiometry and Aural Rehabilitation (3) F

Equipment, principles, methods, and procedures used in establishing and conducting school hearing conservation programs. Attention is given to techniques of audiometric testing and use of audiograms, principles, and methods of hearing conservation; psychology of the acoustically handicapped child; relationship between speech and hearing; hearing aids and their use; care and use of group pure-tone audiometers. Meets the state requirement for public school audiometrist.

462. Speech Reading (2) S

Prerequisite: Speech 341 or consent of the instructor. Historical backgrounds of lip reading, methods used in visual reading of speech, and the techniques commonly used in the teaching of speech reading to the aurally handicapped.

557A. Cleft Palate Seminar (2)

Prerequisite: Speech 443 or consent of the instructor.

557B. Seminar in Stuttering (2)

Prerequisite: Speech 443 or consent of the instructor.

557C. Seminar in Aphasia (2)

Prerequisite: Speech 443 or consent of the instructor.

557D. Cerebral Palsy Seminar (2)

Prerequisite: Speech 443 or consent of the instructor.

IV. Speech Education

301. Speech for Teachers (3) F, S

Four general areas of speech which relate directly with teaching proficiency are examined: the speech of the teacher, the speech and hearing problems of children, the use of speech as a teaching device, and the speech of the teacher in public and group situations. Parliamentary procedure, group discussion and committee work are used.

401. Speech for Classroom Teachers (2) (Summer only)

Prerequisite: teaching exeprience. Similar in basic areas to Speech 301. Principal emphasis, however, is placed on the development of various procedures and materials for use by teachers in the classroom for instructional or speech improvement purposes.

402. Dramatic Activities for Children (3) F, S

Designed to develop skills in the use of creative dramatics, storytelling, puppetry, assembly programs, role-playing, and other aspects of dramatics as tools for the teacher, group worker, recreation major, and others who work with children.

403. Speech Development (3) S

Study of the development of normal speech in children, typical and common speech and hearing problems of children, and basic techniques for prevention of speech problems as well as classroom procedures for improvement.

404. General Semantics (2) F

An examination of the basic principles underlying the influence of language on human action and interaction.

432. Elementary School Language Arts (2) F, S

Prerequisite: Education 311, admission to teacher education. The importance of the language arts to a satisfactory personal, social, and professional life. Methods to help develop in children the skills needed for listening, speaking, and writing are studied and their effectiveness evaluated. (Reading is offered in a separate course.)

442. Secondary School Speech Education (2-3) S

Prerequisites: twenty units in speech, Education 311, Education 340, senior standing, or consent of the instructor. Objectives, methods, and materials for teaching speech in secondary schools. Required, before student teaching, of students presenting majors in speech for the General Secondary Credential. Students without teaching experience must register for three units credit, and must allow sufficient time in their schedules, at the same hour each day, so that they can serve as teacher aides in high schools.

459. Clinical Practice and Student Teaching in Speech Correction and Lip Reading (4) F, S

Prerequisites: Education 339 or 549 or equivalent, and 24 units in the area of speech and hearing therapy. Provides the student with the necessary skills and knowledges to work with speech and hearing handicapped children in the public schools. Experiences include working in small groups and in individual therapy sessions with speech and hearing handicapped children enrolled in regular school classes, participation in parent counseling conferences and conferences with school personnel including administrators, classroom teachers, and nurses. Planning of curriculum materials to integrate speech and hearing therapy with regular classroom instruction will be stressed. This meets the directed teaching requirement for the credential to teach speech correction and lip reading in remedial classes.

490. Senior Seminar (1) F

Prerequisite: recommendation of the Department. Research and research methods in speech; an examination of current research in the several areas of speech and drama.

499. Independent Study (1-3) F, S

Prerequisites: eighteen upper division units in speech and consent of the insructor. Opportunity to study in a specific area not covered by courses being offered or to conduct under supervision an independent project.

DIVISION OF HUMANITIES

Professor: Friedrich (Chairman)
Associate Professors: Alamshah, Becker,* Brossman, Harris, Mathieu, Maxwell, Ramsay
Assistant Professors: Alexander, Bergel, Johnson,* McNelly, Salz

The Division of Humanities includes the departments of English, Foreign Languages and Literatures, Journalism, and Philosophy. The Humanities faculty is therefore concerned with the teaching of various languages and effective communication, critical appreciation of man's imaginative achievements, and the exploration of ideas and values.

The offerings in the Humanities contribute significantly to a general, liberal education, in addition to preparing for the teaching profession, graduate study, and other occupational pursuits.

At present, the following majors and minors are offered:

Major in Humanities: Comparative Literature emphasis
Major in English
Minor in English
Major in Language Arts
Minor in French, German, and Spanish
Minor in Journalism
Minor in Philosophy

The instructional program of the Division is strengthened by the Humanities Series of visiting lecturers, rapidly expanding library resources, and a divsional collection of literary recordings.

(The Department of Foreign Languages and Literatures publishes *MLabstracts*, a quarterly of authoritative résumés relevant to the teaching of Modern Languages.)

COMPARATIVE LITERATURE

The program in Comparative Literature is governed jointly by the Departments of English and of Foreign Languages and Literatures, with the chairman of the Humanities Division acting as chairman of the program.

The program in Comparative Literature provides courses in the study of various national literatures from the earliest times to the present, with special emphasis on the manifold interrelations of literatures, in theory, genres, ideas, movements, and authors. Works are read in English translation and the courses conducted in English. For students whose major concentration is not in Comparative Literature, the knowledge of a second language is not required.

BACHELOR OF ARTS DEGREE

HUMANITIES MAJOR: COMPARATIVE LITERATURE EMPHASIS

Requirements: A combined total of 36 units beyond General Education requirements, as follows:

1. Proficiency in at least one foreign language; this requirement may be satisfied by completing with a grade of B or better the fundamental and intermediate language courses, or by examination.

2. A combined minimum of 15 units in English and Foreign Languages and Literatures.

3. A minimum of 15 units from the Comparative Literature offerings.

4. Electives: 6 units on advisement.

* College Administrative Officers.

COMPARATIVE LITERATURE

312. The Bible as Literature (3) F, S (Formerly English 372)

Study of the Old and New Testaments as literary art, reflecting insight into human nature and providing a foundation for understanding subsequent writings based on the Judeo-Christian tradition.

324. The Mainstreams of World Literature I (3) F

A survey of the mainstreams of both Oriental and Western literature as reflected in works that have influenced our cultural heritage. From the beginnings to the Renaissance.

325. The Mainstreams of World Literature II (3) S

Continuation of Literature 324. From the Renaissance to the present.

351. Masters of World Drama I (3) S (Formerly 301)

Reading, discussion, and interpretation of outstanding plays in translation with a view toward determining some principles of the dramatic art. Emphasis on: Aeschylus, Sophocles, Lope de Vega, Racine, Molière, Goethe, Gogol, and others.

352. Masters of World Drama II (3) F (Formerly 302)

Continuation of Literature 351. Emphasis on: Ibsen, Strindberg, Hauptmann, Rostand, Pirandello, Gorkyi, Lorca, Brecht, Sartre, and others.

353. Masters of World Fiction I (3) (Formerly 303) (Planned for 1963-64)

Reading, discussion, and interpretation of outstanding novels in translation with a view toward determining some principles of the narrative arts. Fall Semester: Goethe, Stendhal, Flaubert, Tolstoy, and others.

354. Masters of World Fiction II (3) (Formerly 304) (Planned for 1963-64)

Continuation of Literature 353. Spring Semester: Mann, Kafka, Proust, Camus, and others.

371. Classical Mythology in World Literature (3) S

The origins, elements, forms and functions of classical mythology in works from the earliest times to the present.

373. Masters of Russian Literature (3) S

Reading, discussion, and interpretation of selected works of Pushkin, Dostoyevsky, Tolstoy, Chekhov, Pasternak, and others, and their relationship to Western literature.

375. Hispanic Literature and Culture (3) F

A survey of Hispanic contributions to world culture, with emphasis on understanding contemporary Latin American civilization.

DEPARTMENT OF ENGLISH

BACHELOR OF ARTS DEGREE: ENGLISH MAJOR

Requirements: A total of 36 units, of which no more than 12 may be in the lower division. No courses applied to the General Education requirements may be applied to the major. English majors who intend to pursue graduate study are urged to acquire proficiency in at least one foreign language.

A program of literary studies gains in perspective through the study of history, sociology, philosophy, and psychology. These fields offer vital lifelines which nourish and deepen understanding of literature. Students of literature are strongly advised to include such courses in their program, particularly in the areas of philosophy and psychology.

Lower Division (Maximum of 12 units)

Courses Counted Toward the Major
- Survey of English Literature (especially recommended)
- American or World Literature
- Speech or Drama (one course each)
- Journalism (one course)
- Composition

Upper Division (Minimum of 24 units)

Basic Requirements (12 units)
- 321, 322. American Literature
- 333. Chaucer
- 334. Shakespeare

Period Courses (6 units minimum)
- 335. Elizabethan Drama
- 341. Milton and the Seventeenth Century
- 342. Eighteenth-Century British Literature
- 343. The Romantic Movement in English Literature
- 344. Literature of the Victorian Period

Specialized Courses (6 units minimum)
- 454. History of the English Language
- 462. Modern Novel
- 464. Modern Drama
- 466. Modern Poetry

Electives, including world literature in English translation. (See individual course descriptions for additional courses.)

MINOR IN ENGLISH

Requirements: A combined total of 21 units beyond General Education requirements, as follows:

Lower Division (0-9 units)

English, American, or World Literature
One course in speech, or drama, or journalism

Upper Division (9-21 units)

English 321 or 322. American Literature (3)
English 334. Shakespeare (3)
One of:
- English 333. Chaucer
- English 341. Milton and the Seventeenth Century

A period course
Electives approved by the adviser to complete the 21 unit requirement.

BACHELOR OF ARTS DEGREE WITH MAJOR IN LANGUAGE ARTS

Language Arts combines courses in English, speech, and journalism. This major, providing a broad background in the areas of oral and written communication, is designed for the teacher in the elementary school, where a basic function is to help children learn to read, write, speak, and listen effectively.

Requirements (beyond the General Education course in writing and literature or Basic Communication): a minimum of 36 units, 24 of which must be in the upper division.

Lower Division (Maximum of 12 units)

If these are not included in lower division, certain courses can be taken on the upper division level, but these cannot then be used to meet the upper division minimum requirements.

World, American, or English Literature
Course work in speech or drama
Course work in journalism
Composition (may be second semester of Basic Communication or English)

Upper Division (Minimum of 24 units)	*Units*
English courses, at least one elected from each of these three groups	9
English 321 or 322. American Literature	
Comparative Literature 324 or 325. The Mainstreams of World Literature	
English 334. Shakespeare	
An advanced course in writing or Journalism 331 or 338A, B, C	3
Speech courses, at least one elected from each of these three groups	7–9
Speech 301 or 401	
Speech 311, 314, or 402	
Speech 334, 403, 404, or 424	
Electives from speech, English, or journalism to complete the 24 unit upper division minimum requirement	3–5

ENGLISH

Language Courses

301. Advanced Expository Writing I (3) F, S (Formerly 312A)

Organizing, drafting, and editing prose writing. Practice in explanatory, analytical, and critical forms. Strongly recommended for all teacher candidates.

302. Advanced Expository Writing II (3) S (Formerly 312B)

The long report for business, school administration, and other professional purposes. Research projects for those who elect them.

303. Advanced Grammar (3) F, S (Formerly 452A)

Prerequisite: Junior standing. Functional grammar as a basis for (1) clear writing, (2) defensible editing and correction, and (3) explanation to others of the principles of effective writing.

304. Linguistics (3) S (Formerly 452B)

Prerequisite: Junior standing. Intensive study of English phonology, morphology, and syntax. Systematic analysis of modern usage.

387A. Advanced Creative Writing I (3) (Formerly 314A) (Planned for 1963-64)

A writing seminar on special projects chosen by each student. Development of successful style. Group criticism and evaluation of each person's projects. Marketing and publication problems.

387B. Advanced Creative Writing II (3) (Formerly 314B) (Planned for 1963-64)

Continuation of 387A.

454. History of the English Language (3) S

Prerequisite: Senior or graduate standing. The historical development of English vocabulary, phonology, morphology, and syntax from Indo-European to modern American English.

Literature Courses

321. American Literature I (3) F, S

From the beginnings to the mid-nineteenth century. Emphasis on major writers: Poe, Hawthorne, Emerson, Thoreau, and others.

322. American Literature II (3) F, S

From Whitman to the moderns. Emphasis on Whitman, Melville, Dickinson, Twain, Frost, Eliot, and others.

332. Early and Middle English Literature (3) S

Emphasis on *Beowulf, Sir Gawain and the Green Knight, The Pearl, Piers Plowman,* Malory's *Morte d'Arthur,* and other works.

333. Chaucer (3) F, S (Formerly 434)

Emphasis on *The Canterbury Tales.*

334. Shakespeare (3) F, S (Formerly 436A)

Intensive study of selected major plays illustrating Shakespeare's development, dramatic art, and insight into human nature.

335. Elizabethan Drama (3) F, S (Formerly 436B)

Prerequisite: English 334 or consent of the instructor. Marlowe, Kyd, Greene, Jonson, and others are studied as representative of dramatic trends in Elizabethan England, including Shakespeare's more popular histories and comedies.

336. Elizabethan Poetry and Prose (3) F

The poetry of Wyatt and Surrey, Jonson, Marlowe, Sidney, Spenser, and others; and the prose of Greene, Lodge, Lyly, Nashe, and others.

341. Milton and the Seventeenth Century (3) F, S (Formerly 435)

A study of the development of Milton's art and of the ideological backgrounds of his thought. Includes also Donne, the metaphysical poets, the Cavaliers, Bacon, Burton, Browne and Bunyan.

342. Eighteenth-Century British Literature (3) F

Dryden, Swift, Pope, Johnson, Boswell, Addison, and Steele. The Restoration, the Age of Reason, and foreshadowings of Romanticism.

343. The Romantic Movement in English Literature (3) F

Burns, Blake; Wordsworth, Coleridge; Byron, Shelley, and Keats. The reaction against rationalism, the rise of revolutionary and liberal thought, humanitarianism, and emphasis on individual creativity.

344. Literature of the Victorian Period (3) S

Tennyson, Browning, Arnold, Rossetti, Swinburne, Morris, Pater, Wilde and others. The effort to synthesize rationalism, romanticism, and realism in an area of materialism and puritanism.

345. History and Development of the English Novel (3) S

From the Renaissance to the moderns, with emphasis on the eighteenth and nineteenth centuries: Defoe, Richardson, Fielding, Smollett, Austen, Bronte, Thackeray, Dickens, Eliot, Meredith, Hardy.

462. Modern British and American Novels (3) F, S

Prerequisites: Survey of English, American, or World literature; an upper division literature course; or consent of the instructor. The development of modern British and American novels from 1900 to the present.

464. Modern British and American Drama (3) F, S

Prerequisites: Survey of British, American, or World literature; an upper division literature course; or consent of the instructor. The development of British and American drama from 1900 to the present.

466. Modern British and American Poetry (3) F, S

Prerequisites: Survey of English, American or World literature; an upper division literature course; or consent of the instructor. The development of British and American poetry from 1900 to the present.

497A. Senior Seminar: Studies in the American Novel (3) F

Prerequisites: B average or better, English major, and consent of the instructor. Directed research.

497B. Senior Seminar: Literary Criticism (3) F, S

Prerequisites: B average or better, English major, and consent of the instructor. Theory and application to selected texts.

497C. Senior Seminar: Studies in the English Renaissance (3) S

Prerequisites: B average or better, English major, and consent of the instructor. Directed research.

497D. Senior Seminar: Studies in New England Transcendentalism (3) (Planned for 1963-64)

Prerequisites: English 321 and 322, B average or better, and consent of the instructor. Emphasis on the relationship between philosophy and literature.

497E. Senior Seminar: Studies in Chaucer (3) (Planned for 1963-64)

Prerequisites: English 333, B average or better, English major, and consent of the instructor. Emphasis on *Troilus and Criseyde* and other works.

580. Independent Study (2-6) F, S

Research projects in areas of specialization beyond regularly offered course work. Oral and written reports.

597A. Graduate Seminar: Joyce (3) F

597B. Graduate Seminar: Melville (3) S

597C. Graduate Seminar: Comparative Literature (3) S

World Literature in English Translation: see courses under *COMPARATIVE LITERATURE.*

Professional Education Courses

432. Elementary School Language Arts (2) F, S

Prerequisites: Education 311, admission to Teacher Education. The importance of the language arts to a satisfactory personal, social, and professional life. Methods to help develop in children the skills needed for listening, speaking, and writing are studied and their effectiveness evaluated.

433. Children's Literature (2) F, S

A study of masterpieces of the world's literature for children. Illustrates literary qualities appealing to children and demonstrates the ways in which children's literature reflects the particular cultural differences of the various oriental, classical and modern cultures.

442. Secondary School English Education (2-3) F, S

Prerequisites: Education 311, admission to Teacher Education. Principles, methods, and materials of teaching English in the secondary school.

DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

An examination designed to place students at appropriate levels will be given upon request during registration week.

The following descriptions apply to courses in all languages: *Fundamental* courses develop basic skills in understanding, speaking, reading and writing; *Intermediate*

courses offer oral and reading practice based on literary and cultural materials; *Advanced* courses offer intensive practice in conversation and composition combined with the study of the area's literary and cultural heritage.

The department offers a minor in French, German, and Spanish.

MINOR IN A FOREIGN LANGUAGE

Requirements: A combined total of 21 units as follows: a minimum of 9 lower division units or their equivalent plus a minimum of 12 upper division units. An average of "B" is expected of students in their minor field.

Language Laboratory

All students enrolling in courses numbered 311, 312, 313, 314, 315 and 316 are required, in addition to the regular class periods, to take a minimum of one hour of language laboratory per week, preferably in four daily sessions of 15 minutes each.

FRENCH

311. Fundamental French I (4) F

312. Fundamental French II (4) S
Continuation of 311.

313. Intermediate French I (3) F

314. Intermediate French II (3) S
Continuation of 313.

315. Advanced French I (3) (Planned for 1963-64)

316. Advanced French II (3) (Planned for 1963-64)
Continuation of 315.

411. Intensive Spoken Practice I (3) S
A refresher course designed to improve speaking fluency.

412. Intensive Spoken Practice II (3) (Planned for 1963-64)
Continuation of 411.

470. Independent Study I (1-3) F
Prerequisite: three years of college credit and/or working fluency in French. Supervised projects in French Literature and Civilization. Weekly oral and written reports.

480. Independent Study II (1-3) S
Continuation of 470.

GERMAN

311. Fundamental German I (4) F

312. Fundamental German II (4) S
Continuation of 311.

313. Intermediate German I (3) F

314. Intermediate German II (3) S
Continuation of 313.

315. Advanced German I (3) (Planned for 1963-64)

316. Advanced German II (3) (Planned for 1963-64)
Continuation of 315.

411. Intensive Spoken Practice I (3) (Planned for 1963-64)
A refresher course designed to improve speaking fluency.

412. Intensive Spoken Practice II (3) (Planned for 1963-64)
Continuation of 411.

470. Independent Study I (1-3) F
Prerequisite: three years of college credit and/or working fluency in German. Supervised projects in German Literature and Civilization. Weekly oral and written reports.

480. Independent Study II (1-3) S
Continuation of 470.

RUSSIAN

311. Fundamental Russian I (4) F

312. Fundamental Russian II (4) S
Continuation of 311.

313. Intermediate Russian I (3) (Planned for 1963-64)

314. Intermediate Russian II (3) (Planned for 1963-64)
Continuation of 313.

SPANISH

311. Fundamental Spanish I (4) F

312. Fundamental Spanish II (4) S
Continuation of 311.

313. Intermediate Spanish I (3) F

314. Intermediate Spanish II (3) S
Continuation of 313.

315. Advanced Spanish I (3) F

316. Advanced Spanish II (3) S
Continuation of 315.

411. Intensive Spoken Practice I (3) F
A refresher course designed to improve speaking fluency.

412. Intensive Spoken Practice (3) S
Continuation of 411.

470. Independent Study I (1-3) F
Prerequisites: three years of college credit and/or working fluency in Spanish. Supervised projects in Spanish Literature and Civilization. Weekly oral and written reports.

480. Independent Study II (1-3) S
Continuation of 470.

PROFESSIONAL EDUCATION COURSES

Foreign Languages 432. Elementary School Foreign Language Arts (2) F

Foreign Languages 442. Secondary School Foreign Language Education (2-3) S

Foreign Languages 451. Applied Linguistics (3) (Planned for 1963-64)

The application of scientific linguistics to the teaching of foreign languages.

World Literature in English Translation: see courses under *COMPARATIVE LITERATURE.*

DEPARTMENT OF JOURNALISM

The journalism program is organized to serve students with interests in mass communication by offering a curriculum integrating the liberal arts and professional courses in basic media techniques. The department helps to prepare those desiring careers in newspaper and magazine writing and editing, advertising, television and radio newscasting, public relations, industrial editing, and the teaching of Journalism-English. Its courses will also benefit those who wish only a better understanding of the functions of the mass media in a democratic society.

MINOR IN JOURNALISM

Requirements: A combined total of 21 units, as follows: *

Journalism 330. Introduction to News Communication (3)

Journalism 332. Copy Editing and Makeup (3)

Journalism 333. Mass Communication in Modern Society (3)

Journalism 338A, B. Newspaper Production (6)

Journalism 358A, B. Publications Production (4)

Journalism 448. Special Projects (2)

JOURNALISM

318A,B. Press Photography (2) F, S

A lecture and laboratory course in photographic theory and the application of photographic principles.

331. Introduction to News Communication (3) F (Formerly 330)

An introduction to the news communication media. Practical experience in news writing, including assignments for work on the college newspaper. (Recommended for credential candidates.) May be used to meet lower division requirement.

332. Copy Editing and Makeup (3) S

Practice and theory of editing of materials for various types of publications, including selection of materials, copyreading, headline writing, proofreading, and makeup.

333. Mass Communication in Modern Society (3) S

The basic structure and the interrelationships of newspapers, magazines, films, radio, television, in terms of their significance as social instruments and economic entities in modern society.

334. Feature Article Writing (3) S

Non-fiction writing for newspapers and magazines, including study of sources, methods, and markets. Open to non-majors.

338A,B,C. Newspaper Production (3) F, S

Prerequisite: Permission of the instructor. A lecture and activity course in which members of the class constitute the editorial staff of the student newspaper. The group meets four hours per week for critiques in news reporting, writing, editing and makeup, followed by production.

353. Advertising Copy and Layout (3) (Planned for 1963-64)

Writing of copy and layout of advertisements, based on study of sales appeals, attention factors, and illustrations.

* Lower division course work in Journalism taken elsewhere, up to six units, may be substituted for 330, 338 or 358 upon evaluation and approval by the department.

358A,B. Publications Production (2) F, S

A workshop for students engaged in the production of annual, quarterly, monthly, and other types of student publications, as scheduled by appropriate college authorities. Activities will include writing, editing, photography, art work, and layout.

361. Principles of Public Relations (3) S (Formerly 331)

Examination of basic principles of public relations and their application in non-commercial as well as commercial fields, including industry, education, government, and welfare.

425. History and Philosophy of American Journalism (3) F

The development of American mass communication, with emphasis on newspapers and periodicals, and their ideological, political, social, and economic aspects.

427. Seminar on Current Issues in Mass Communication (2) S

Prerequisite: Consent of the instructor. Consideration of such problems as the extent to which the mass media should be regulated by the government, "objective" versus "interpretive" news reporting, and ethical and legal questions of particular cases.

439. Mass Media Internship (6) F, S

According to his vocational preference, the student serves a supervised summer (or equivalent) internship with a newspaper, magazine, radio or television station, press association, advertising agency, or public relations firm.

442. Secondary School Journalism Education (3) F (Formerly 411. Journalism for Teachers)

Theory and technique of advising school newspaper and yearbook staffs. Relation of classroom instruction to staff assignments. Designed for credential candidates in English and Language Arts who may supervise school publications.

448A,B. Special Projects in Mass Communication (2) F, S

Prerequisite: Consent of the department chairman. Individually supervised mass media activities, on and off campus. Projects may involve newspapers, magazines, radio, television, and public relations agencies.

DEPARTMENT OF PHILOSOPHY

Philosophical study seeks to investigate human ways of thinking and valuing, and to draw out the implications of these activities for the life of society. Course work in philosophy is designed to provide both breadth and depth of understanding in these areas for all students, those who are preparing for professions other than philosophy as well as those who intend to pursue graduate work in this field. The areas of study emphasized at the present time are ethics, theory of knowledge, and the systematic thought of the great philosophers.

The philosophy curriculum has therefore the following objectives:

(1) to help students clarify their own philosophical concerns;

(2) to uncover and to discuss sound methodology for the solution of philosophical problems;

(3) to prepare students seeking higher degrees in philosophy.

The value of philosophical study as a complement to studies in Comparative Literature, English, Foreign Languages and Literatures, History, Journalism, and Psychology, and other areas has long been recognized. The Department offers the following Minor in Philosophy.

MINOR IN PHILOSOPHY

Requirements: A combined total of 21 units, as follows:

Lower Division (Maximum of 9 units)

Introduction to Philosophy (3 to 6 units)
Problems or Schools of Philosophy (3 to 6 units)

Upper Division (Minimum of 12 units)

PHILOSOPHY

301. Ethical Concepts (3) F, S

The study aims to identify and to analyze the norms and standards gleaned from world culture which purport to deal with the problems of conduct.

311. Philosophy of Ideas (3) F, S (Formerly 401)

A philosophical analysis of basic cultural ideas which have shaped modern thought.

323. Contemporary Existentialism (3) F, S

An analysis of the meaning of Existentialism in modern philosophy.

407. Seminar in Basic Concepts of Philosophy and Psychology (4) F, S (Formerly 410)

Prerequisites: 3 units of Philosophy and 3 units of Psychology. An interdisciplinary course of study: an attempt is made to intensify significant interrelationships which obtain among concepts common to both philosophy and phychology.

447A. Seminar in Plato I (3) F (Formerly 442A)

A critical and detailed study of the early and middle Dialogues, terminating with the *Republic*.

447B. Seminar in Plato II (3) S (Formerly 442B)

A critical and detailed study of the later Dialogues which follow the *Republic*, terminating with the *Laws*.

467A. Seminar in Kant I (3) F (Formerly 443A)

A critical and detailed study of the first great Critique: the *Critique of Pure Reason*.

467B. Seminar in Kant II (3) S (Formerly 443B)

A critical and detailed study of the second and third Critiques: the *Critique of Practical Reason* and the *Critique of Judgment*.

480. Independent Study (1-3) F, S

Prerequisites: minimum of 12 units in Philosophy and approval of the Department. Supervised projects in philosophy. Oral and written reports.

DIVISION OF SCIENCE AND MATHEMATICS

Professors: McCarthy (Chairman), Adams, Ames, Bryden, Lay, McCleary
Associate Professors: Brattstrom, Sutton, Turner
Instructor: Sapiro

The Division of Science provides fundamental instruction basic to the needs of students preparing (1) to pursue graduate and professional training,† (2) to teach, and (3) to seek employment in technical and applied fields.

It is the concern of the faculty that science instruction shall not be circumscribed by limited disciplines, but shall embrace related scientific subject-matter fields as well as liberal arts subjects and foreign language. We hold firmly to the conviction that the trained scientist of today and in the future must be one conversant with the general principles of all scientific disciplines and one adequately prepared in depth in a major field. He must be one who has been nurtured in the development of ideas, not merely in technical skills.

To qualify for a baccalaureate degree in science or mathematics major programs, students must have a C average in all courses required for the majors including those in the related sciences. A reading knowledge of one modern foreign language (Russian, German, or French) is required. A reading knowledge of a second modern foreign language is strongly recommended for students planning graduate study leading to the Ph.D. degree. This requirement is normally met by completion of 6 units of intermediate courses in the language, with grade C or better. The requirement may be met by examination. For details of examination procedure, apply at Division Office. No credit toward the major will be allowed for specific major courses in which a grade D is obtained.

BACHELOR OF ARTS DEGREE IN BIOLOGICAL SCIENCE

MINIMUM REQUIREMENTS FOR B.A. DEGREE ††
FOR ALL PROFESSIONAL OBJECTIVES INCLUDING ELEMENTARY AND SECONDARY SCHOOL TEACHERS

	Units
Lower Division General Education—Biology 8, Chemistry 14, Mathematics 3, Foreign Language (See divisional requirement above), General Physics 9	34
Upper Division	24
	58

REQUIRED COURSES

‡ *Lower Division*

Physics, Chemistry, Mathematics	
Chemistry 1a, b (10), Organic Chemistry (4)	14
A course in college mathematics including analytical geometry and calculus	3
General college physics with laboratory	9
Biology or Zoology 1a-b, Zoology 1a and Botany 1b, Botany 1-2; other combinations by approval of Division Chairman	8
	34

† Students preparing for admission to medical school should register with the Chairman of the Pre-Medical Committee through the Office of the Dean of Students.

†† Substitutions in the program may be made upon the recommendation of the adviser and the approval of the Division Chairman.

‡ Transfer students should have completed the foreign language requirement and as many of the 34 units as possible prior to admission. However, uncompleted units may be satisfied while the upper division work is in progress by concurrent enrollment at a junior college or with appropriate courses offered at Orange County State College.

Upper Division	*Units*
Microbiology	4
Genetics	3
Cellular Physiology and Metabolism	4
Biological Science 400	1
Electives—12 units of which 4 must be outside field of emphasis	12
	24
	58

Minimum Requirements for Biological Science Minor †

Biology or Zoology 1a, b, Zoology 1a and Botany 1b, Botany 1-2; other combinations by approval of Division Chairman	8
Evolution or Genetics	4
Microbiology	4
Plant Science Elective	4
Seminar in Biology	1
Total	21

BIOLOGICAL SCIENCE

Biological Principles

201. Field Biology (3) S

Prerequisite: 1 year of biological science and/or permission of instructor. A course for non-majors designed to acquaint the interested student with the plant and animal life of this region. (1 hour lecture, 6 hours laboratory per week.) Several week-end field trips will be arranged to study different biotic communities.

312. Genetics Lecture (3) S

Prerequisite: 1 year of college biology or permission of the instructor. The general principles and modern developments in the study of heredity. (3 hours lecture per week)

312L. Genetics Laboratory (1) S (Formerly 313)

Prerequisite: Bio. Sci. 312 (may be taken concurrently). (3 hours laboratory per week)

400. Independent Study and Research (1-3) F, S

Open to advanced standing students in Biology by permission of a staff member only. May be repeated for credit.

401. Seminar in Biology (1) F, S

412. Cellular Physiology and Metabolism (2) F

Prerequisites: one year of college biology and 1 semester of organic chemistry or permission of the instructor. Characteristics of life at the cellular level: processes by which the cell obtains energy and material and forms new cell substances; control of these processes by the cell; organization of structures and enzyme systems within the cell.

412L. Cellular Physiology Laboratory (2) F

Prerequisite: Bio. Sci. 412 (may be taken concurrently). (6 hours laboratory per week)

424. Evolution (3) S

Prerequisite: one year of college biology or permission of the instructor. A study of evolution, including the history of evolutionary thought; origin of universe,

† Substitutions in the program may be made upon the recommendation of the adviser and the approval of the Division Chairman.

earth and life; geological and paleontological history of the earth; evidences for evolution derived from comparative anatomy, embryology, genetics, zoogeography; mechanisms of evolution. (3 hours lecture, 3 hours laboratory per week)

424L. Evolution Laboratory (1) S

Prerequisite: Biology 424 (may be taken concurrently). (3 hours laboratory per week)

500. Independent Study and Research (1-3) F, S

Open to graduate students only by permission of a staff member. May be repeated for credit.

Botany Area

141. General Botany (4) F

Brief survey of lower plant life. More detailed study of flowering plants. (2 hours lecture, 6 hours laboratory per week)

342. Plant Anatomy (4) F

Prerequisite: General Botany or 1 year of college biology. The origin, development, and maturation of leaves, stems, roots, and flowers of vascular plants. (2 hours lecture, 6 hours laboratory per week)

344. Plant Morphology (4) (Planned for 1963-64)

Prerequisite: General Botany or 1 year of college biology. A study of the morphology and classification of the lower plant groups and a general survey of the major groups of plants exclusive of angiosperms and gymnosperms. (2 hours lecture, 6 hours laboratory per week)

441. Plant Taxonomy (4) S

Prerequisite: General Botany or 1 year of college biology. An introduction to the study of classification of conifers and the flowering plants through field collecting and laboratory study and identification of representative kinds. (2 hours lecture, 6 hours laboratory per week)

443. Plant Ecology (4) S

Prerequisite: Plant Taxonomy 441. Relation of plants to their environment with emphasis on climatic and soil factors influencing their structure, behavior, and distribution. (2 hours lecture, 6 hours laboratory per week)

444. Plant Physiology (4) S

Prerequisites: General Botany and one semester of organic chemistry or permission of the instructor. A study of plant growth, nutrition, food synthesis, and metabolism. (2 hours lecture, 6 hours laboratory per week)

Microbiology Area

311. General Microbiology (4) F

Prerequisite: One year of college biology. Consideration of the diverse biological characteristics of bacteria and other microorganisms will be extended to study of these life forms as agents of change in natural processes. The laboratory will introduce the methods used to study microbes and will demonstrate the roles of microbes in agriculture, industry and in health. (2 hours lecture, 6 hours laboratory per week)

413. Basic Pathogenic Microbiology (2) S (Formerly Advanced Bacteriology)

Prereqiusite: one semester of microbiology or bacteriology. Selected topics in the biology of infectious disease: A biological view of parasitism, pathogenicity of the microorganisms, and defenses of the hose; the microbiological bases of disinfection, chemotherapy and antibiotic therapy. (2 hours lecture per week)

413L. Pathogenic Microbiology Laboratory (2) S

Prerequisite: Bio. Sci. 413 (may be taken concurrently) or permission of the instructor.

439. Microbial Ecology (2) (Planned for 1963-64)

Prerequisite: one semester of microbiology or bacteriology. The interaction of microbes and their environment: the influence of physical and chemical factors on the distribution and activities of microbial populations; the effects of microbes on the living and nonliving environment of the earth's surface.

439L. Microbial Ecology Laboratory (2) S

Prerequisite: one semester microbiology or bacteriology with laboratory. Normally Bio. Sci. 439 will be taken concurently. By agreement with the instructor, students will elect to carry out one or more field or laboratory studies in microbial ecology. May be repeated once for credit. (6 hours laboratory per week)

Zoology Area

361. Mammalian Anatomy and Physiology (4) F, S (Planned for 1963-64)

Prerequisite: one year of college biology or permission of instructor. Study of the structure and function of the human organism. (2 hours lecture, 6 hours laboratory per week)

362. Animal Histological Technique (2) S

Prerequisite: one year of college biology or permission of instructor. Theory and practice of the preparation of animal cells and tissues for microscopic study. (6 hours laboratory per week)

463. Comparative Vertebrate Anatomy (4) F

Prerequisite: A year course in general zoology or biology, or permission of the instructor. A comparative study of the chordates, with emphasis on morphology and evolution of various organ systems from fish through mammals. Includes thorough dissection of dogfish, Necturus, and cat. (2 hours lecture, 6 hours laboratory per week)

464. Embryology (4) F

Prerequisite: A year course in general zoology or biology or permission of the instructor. Study of development from fertilization through organogenesis with laboratory work on the frog, chick, and pig. (2 hours lecture, 6 hours laboratory per week)

465. Animal Ecology (4) F

Prerequisite: three semesters of college biology or permission of the instructor. A survey of the physical, chemical, and biological factors of the environment as they affect the distribution and mode of life of animals. (2 hours lecture, 6 hours laboratory per week)

471. Natural History of the Vertebrates (4) S

Prerequisites: one year of college biology; comparative vertebrate anatomy, or permission of the instructor. (2 hours lecture, 6 hours laboratory or field work per week.) Natural history, behavior, distribution, and ecology of the vertebrates. Laboratory and field emphasis on identification, behavior, maintenance of living and preserved materials.

BACHELOR OF ARTS DEGREE IN CHEMISTRY

The Department of Chemistry will offer four-year curricula leading to the Bachelor of Arts in Chemistry, beginning in the Fall of 1963 when the new science building will be occupied. Prior to this time, upper division courses will be offered which will be acceptable toward completion of the major program. This curricula

will provide thorough instruction in the basic principles and concepts of chemistry for students who will (1) continue on to graduate work; (2) teach in the science programs of secondary schools; (3) obtain employment in industry or government; and (4) pursue a chemistry minor or fundamental courses in chemistry in support of other areas such as physics and biology.

PLANNED CURRICULUM IN CHEMISTRY

Major in Chemistry *

	Units
Minimum requirements for the B.A. degree:	
Lower Division Chemistry	18
Upper Division Chemistry	18
Electives in Chemistry	9
Total Chemistry units	45
Required Science Prerequisites	28
Total Science units	73
General Education units (in addition to 9 units of Physical and Biological Science)	36
Undesignated electives	15
Total units for B.A. degree	124
Lower Division Required Courses:	
General Chemistry	10
Quantitative Analysis	8
	18
Upper Division Required Courses:	
Organic Chemistry	8
Physical Chemistry	6
Physical Chemistry Laboratory	3
Chemical Literature	1
	18
Required Science Prerequisites:	
Physics	12
Analytic Geometry and Calculus	12
Biology	4
	28

A reading knowledge of one modern foreign language (German, Russian or French) is required. (See Divisional requirement, page 114.)

Minor in Chemistry

A minimum of 23 units of chemistry, including 9 upper division units, are needed for a minor. These should include General Chemistry (10), or equivalent, Quantitative Analysis (4), and either Organic Chemistry (10), or Physical Chemistry (6) and Physical Chemistry Laboratory (3). It is recommended, but not required, that both Physical Chemistry (6) and Organic Chemistry (8) be taken.

CHEMISTRY COURSES TO BE OFFERED DURING 1962-63

201. Physical Science for Non-Science Majors (4 or 5) F, S

Prerequisite: one year of high school Algebra or equivalent, or permission of the instructor. Taught jointly by the departments of chemistry and physics, this course presents the essential unifying features of the basic physical sciences, chemistry and physics; the modern concepts of the physical and chemical theory of

* Substitution in program may be made upon approval of the department chairman.

atomic and molecular structure form the unifying course material. Selected physical and chemical theory (from the fields of mechanics, electricity and magnetism, light, kinetic theory, thermodynamics, quantum theory, and inorganic chemistry) are included to provide the necessary background material. Meets the general education physical science requirement. May not be taken for credit by science majors or mathematics majors.

251. Elementary Organic Chemistry (3) S

Prerequisite: one year of college chemistry. A lecture course for non-chemistry majors designed to provide an introduction to the properties, methods of preparation, and reactions of the more important classes of organic compounds, including the aliphatic and aromatic hydrocarbons, alcohols, acids, aldehydes, ketones, amines, and halides.

371-372. Physical Chemistry (3,3) F, S

Prerequisites: Calculus, college physics, and two years of college chemistry. A study of the fundamental laws and theories of chemistry. Thermodynamics, solutions, chemical and phase equilibria, atomic and molecular structure, and kinetics are covered.

471. Chemical Constitution (3) F

Prerequisite: two years of college chemistry or permission of the instructor. Advanced discussion of topics related to the chemical bond. The periodic system, bond types, and the structures of molecules and crystals.

BACHELOR OF ARTS DEGREE IN MATHEMATICS

The program of mathematics courses is designed to provide students with a training in analysis, algebra, geometry, and topology with an emphasis on the modern approach to mathematics. This means an early introduction into the concepts of elementary set theory and topology with a course in linear algebra offered in either the sophomore or junior year. The programs offer a variety of courses to satisfy the needs of

(1) The proficient student aiming toward graduate study,

(2) The student planning the use of mathematics in a career in industry and government service,

(3) Preprofessional students in other science areas,

(4) The prospective elementary and secondary teacher.

In addition to mathematics, the major candidates will be required to pursue a year of general college physics with a calculus prerequisite. A reading knowledge of one modern foreign language (Russian, German or French) is required. (See Divisional requirement, page 114.) As the staff increases during the coming years, additional courses, both lower and upper division, will be offered and suggested programs going beyond the core courses currently listed will be worked out in order to assure the greatest degree of individual suitability commensurate with ability, interest, and professional goal.

(MINIMUM REQUIREMENTS)

Required Courses

Lower Division—General Education	*Units*
Analytic Geometry and Calculus	12
General Physics with laboratory	8
	20

Upper Division *	*Units*
Differential Equations	3
Linear Algebra	3
Modern Algebra	6
Advanced Calculus	6
Differential Geometry	3
Complex Analysis	3
	24
Total	44

A suggested program of study for the Bachelor of Arts Degree in Mathematics for the two upper division years is the following:

Junior Year

First Semester	*Units*	*Second Semester*	*Units*
Linear Algebra	3	Advanced Calculus	3
Differential Equations	3	Elements of Set Theory or Number Theory or Mathematical Logic	3
Advanced Calculus	3		
	9		6

Senior Year

First Semester	*Units*	*Second Semester*	*Units*	
Modern Algebra	3	Modern Algebra	3	3
Differential Geometry	3	Elementary Topology or Number Theory or Complex Analysis or Elements of Set Theory or Applied Mathematics or Mathematical Logic	3	6
Complex Analysis or Applied Mathematics	3		6	9
	9			

A program leading to a minor in mathematics can be arranged in consultation with the Chairman of the Department.

BACHELOR OF ARTS DEGREE MAJOR PROGRAM IN MATHEMATICS FOR TEACHER EDUCATION

I. Elementary Education

Lower Division	*Units*	
Analytic Geometry	3	
Calculus	3	
	6	6
Upper Division (These or equivalent courses arranged by conference)		
Math. 290 Elementary Calculus	6	
Math. 410 Number Theory	3	
Math. 408 Fundamentals of Mathematics—Geometry	3	
One of:		
Math. 390 Linear Algebra	3	
Math. 409 Fundamentals of Mathematics—Algebra		
One of:		
Math. 301 Elementary Statistics	3	
Math. 310 Differential Equations		
Math. 414 Mathematical Logic		
	6	
	18	18
Total		24

* Substitutions in the program may be made upon approval of the Chairman of the Department.

II. Secondary Education		*Units*
Lower Division		
Analytic Geometry	3	
Calculus	3	
	6	6
Upper Division (These or equivalent courses arranged by conference)		
Math. 290 Elementary Calculus	6	6
Math. 310 Differential Equations	3	
Math. 408 Fundamentals of Mathematics—Geometry	3	
Math. 409 Fundamentals of Mathematics—Algebra	3	
Math. 410 Number Theory	3	
One of:		
Math. 390 Linear Algebra	3	
Math. 414 Mathematical Logic		
Post-graduate Year:	21	21
Math. 407 Modern Algebra	3	
Math. 301 Elementary statistics	3	
Math. 413 Elementary Topology	3	
	9	9
		36

MATHEMATICS

120. Finite Mathematics (3) F, S

Prerequisites: three years of high school mathematics or its equivalent. This is a course comprising introductions to the following topics: set theory, matrices, probability, theory of games and linear programing. It is particularly suited to students of economics, the biological and social sciences.

150A. Analytic Geometry and Calculus (3) F, S

Prerequisites: four years of high school mathematics inclusive of trigonometry. An introductory course in analytic geometry, differentiation and integration, the definite integral and applications.

150B. Analytic Geometry and Calculus (3) S

Prerequisite: Math. 150A. Differentiation and integration of the transcendental functions, methods of integration, determinants and linear equations, vectors.

231A. Fundamentals of Arithmetic (3) F

The study of arithmetic as an introduction to mathematics. Designed especially for teachers and prospective teachers of elementary and secondary mathematics.

231B. Fundamentals of Arithmetic (3) S

Prerequisite: Math. 231A.

290A. Elementary Calculus (3) F

Prerequisites: six units of Analytic Geometry and Calculus. Methods of integration, vectors, determinants, linear equations, solid geometry of vectors, lines, and planes.

290B. Elementary Calculus (3) S

Prerequisite: Math. 290A. Partial differentiation, multiple integrals, infinite series, complex numbers, and functions.

310. Differential Equations (3) F

Prerequisite: Math. 290B. An introduction to ordinary and partial differential equations.

390. Linear Algebra (3) F

Prerequisite: Math. 290B. This course may be taken concurrently with sophomore calculus. The study of matrices, determinants, vector spaces, linear transformations.

400. Probability and Mathematical Statistics (3) S

Prerequisite: Math. 290B. An introductory course to probability theory and its applications, based on use of the calculus.

403A. Advanced Calculus (3) F

Prerequisite: Math. 290B.

403B. Advanced Calculus (3) S

Prerequisite: Math. 403A. A year course designed to introduce the student to rigorous proofs in analysis. Topics include the real number system, continuity, differentiation and integration of functions of several variables, infinite integrals and series, vector analysis.

405. Differential Geometry (3) F

Prerequisites: Math. 290B. An elementary course in classical differential geometry.

406A. Applied Mathematics (3) F

Prerequisite: Math. 310.

406B. Applied Mathematics (3) S

Prerequisite: Math. 406A. Boundary value problems, orthogonal functions. Fourier series and integral, integral transforms, Laplace transform, integral equations.

407A. Modern Algebra (3) F

Prerequisite: Math. 290B. Integral domains and fields, real and complex numbers, polynomials, groups, elements of the theory of rings, introduction to Galois theory, various algebraic systems.

407B. Modern Algebra (3) S

Prerequisite: Math. 407A. Continuation of 407A.

408. Fundamental Concepts of Mathematics—Geometry (3) F

Prerequisites: Analytic Geometry and Calculus. Selected topics in elementary geometry. The study of various axiom systems for Euclidean geometry; non-Euclidean geometry; projective, metric, and affine geometry. Designed especially for teachers and prospective teachers of secondary mathematics.

409. Fundamental Concepts of Mathematics—Algebra (3) S

Prerequisites: Analytic Geometry and Calculus. Selected topics in modern algebra. Designed especially for teachers and prospective teachers of secondary mathematics.

410. Number Theory (3) S

Prerequisite: Math. 290B. An introductory course into such topics as divisibility, congruences, prime number theory, Diophantine problems.

411. Elements of Set Theory (3) F

Prerequisite: Math. 290B. Operations on sets; functions; cardinals and ordinals; ordering, well ordering; axiom of choice; transfinite numbers.

412A. Complex Analysis (3) F

Prerequisite: Advanced Calculus, which may be taken concurrently.

412B. Complex Analysis (3) S

Prerequisite: Advanced Calculus, which may be taken concurrently. An introduction to the study of functions of a complex variable.

413. Elementary Topology (3) S

Prerequisite: Math. 290B. An introductory course to point set topology and algebraic topology.

414. Mathematical Logic (3) S

Prerequisite: Math. 290B. An introductory course to the elements of mathematical logic.

BACHELOR OF ARTS DEGREE IN PHYSICS

The program leading to the Bachelor of Arts degree in Physics provides the fundamental instruction basic to the needs of the student who is preparing (1) to teach in elementary or secondary schools, (2) to undertake graduate work in physics or related fields, (3) to pursue additional collegiate studies leading to professional degrees in dentistry, law, medicine, nursing, and other professional, related areas, and (4) to seek employment in technical and applied fields.

The faculty is concerned that the student of physics shall have adequate education in other liberal arts subjects, including foreign language. Through curriculum requirements and through elective subjects, the physics student will be expected to have a broad education in traditional liberal arts subjects, the several sciences, and mathematics. In particular, the student is urged to make his selections of elective courses outside the field of physics.

The minimum departmental requirements for the degree are given below.*

Required Courses

Lower Division

General Chemistry (10), units distributed: 4 to General Education, 6 to departmental requirement	6
Mathematics—Analytic Geometry and Calculus (12), units distributed: 4 to General Education, 8 to minor requirement	8
Physics (12), prerequisite to major	12
Total	26

A reading knowledge of one modern foreign language (Russian, German, or French) is required. (See Divisional requirement, page 114.)

Upper Division

Physics Courses:

441. Analytical Mechanics	3
431. Electricity and Magnetism	3
411. Theory of Wave Motion (acoustics, physical optics, and atomic spectra)	3
453. Nuclear Physics or 451 Modern Physics	3
416. Thermodynamics and Introduction to Kinetic Theory	3
455. Introduction to Quantum Physics	3
†381. Advanced Physics Laboratory I (electrical measurements and electronics)	2
†382. Advanced Physics Laboratory II (mechanics, acoustics, physical optics, atomic spectra)	2
481. Advanced Physics Laboratory III (atomic and nuclear physics)	2
†482. Advanced Physics Laboratory IV (selected experiments in classical and modern physics)	2
Total	26

* Substitutions in the program may be made upon approval of the department chairman.
† Course descriptions will be given in 1963-64 Catalog (not offered in 1962-63).

Mathematics

Courses in advanced calculus, differential equations, modern algebra, modern analysis, etc., chosen in consultation with physics department adviser to fulfill minor requirement 9

Total upper division requirement 35

Mathematics Minor

A minor in mathematics is required for the B.A. degree. The minor consists of 17 units (minimum) of mathematics, of which a minimum of 9 must be upper division courses. (These units have been included in the above description of required courses.)

Summary of Degree Requirements (Minimum)

Total required units prerequisite to major, in major, and in minor, both upper and lower division 61
Total general education requirements 45
Total electives (students are advised to choose electives outside the major field) 18

Total minimum units required for degree 124

Minor in Physics

A minimum of 20 units of physics are required for a minor. These shall include 12 units of lower division physics (or equivalent as determined by the department of physics), and a minimum of 8 units of upper division physics, including a minimum of 2 units of advanced physics laboratory.

PHYSICS *

201. Physical Science for Non-Science Majors (4 or 5) F, S

Prerequisite: one year of high school Algebra or equivalent, or permission of the instructor. Taught jointly by the departments of chemistry and physics, this course presents the essential unifying features of the basic physical sciences, chemistry and physics; the modern concepts of the physical and chemical theory of atomic and molecular structure form the unifying course material. Selected physical and chemical theory (from the fields of mechanics, electricity and magnetism, light, kinetic theory, thermodynamics, quantum theory, and inorganic chemistry) are included to provide the necessary background material. Meets the general education physical science requirement. May not be taken for credit by science majors or mathematics majors. (4 hours lecture, 1 hour recitation per week.)

411. Theory of Wave Motion (3) F

Prerequisites: one year college physics, calculus. The properties of wave motion: production, propagation, refraction, diffraction, interference, and transmission through surfaces of waves as applied to physical optics, acoustics, heat radiation, and wave mechanics.

416. Thermodynamics and Introduction to Kinetic Theory (3) (Planned for 1963-64)

Prerequisites: one year college physics, calculus, differential equations. A postulational study of thermodynamics with emphasis on thermodynamic states rather than on thermodynamic processes. An introductory course in the basic concepts and postulates, conditions of equilibrium, formal relationships, processes and thermodynamic engines, stability of thermodynamic systems, first- and second-order phase transitions, the Nernst postulate, and representative applications.

* For all courses, prerequisites not requiring consent of the department chairman may be waived by the instructor of the course if he is satisfied that the student is qualified to undertake the course.

431. Electricity and Magnetism (3) F

Prerequisites: one year college physics, calculus. Corequisites: advanced calculus, or permission of the instructor. Theories of electrostatics, magnetostatics, electrodynamics, and electromagnetic waves. Introduction to magnetohydrodynamics.

441. Analytical Mechanics (3) S

Prerequisites: one year college physics, calculus, or permission of the instructor. Principles of Newtonian mechanics applied to the statics and dynamics of particles and rigid bodies. Introduction to Lagrangian and Hamiltonian equations.

451. Modern Physics (3) S

Prerequisites: one year college physics, calculus or permission of instructor. Discussion of experiments and introduction to theory for selected topics in atomic, nuclear, and solid state physics.

452. Physics of Nuclear Radiation (3) (Planned for 1963-64)

Prerequisite: one year college physics. X-rays, radioactivity, interaction of radiation with matter, detection of radiation, applications to health physics.

453. Nuclear Physics (3) (Planned for 1963-64)

Prerequisites: one year college physics, calculus, or permission of the instructor. Properties of nuclei, radioactivity, elementary particles, nuclear reactions. Introductory discussion of theories of nuclear structure and nuclear processes.

454. Introduction to the Solid State of Matter (3) S

Prerequisite: one year college physics, one course in atomic or nuclear physics, calculus, differential equations. An introduction to the physical properties of matter in the solid state, as explained by atomic theory. Structural, mechanical, and growth properties of crystals; atomic bonding; electrical, magnetic, and thermal properties of metals, semiconductors, and insulators.

455. Introduction to Quantum Physics (3) F

Prerequisites: one year college physics, one course in analytical mechanics, one course in electricity and magnetism, differential equations. An introduction to the concepts and theory of quantum physics.

471. Electronic Circuit Theory (3) (Planned for 1963-64)

Prerequisites: one year college physics, calculus or permission of the instructor. Operating characteristics of vacuum tubes, transistors, and semiconductor diodes. Linear circuit theory for alternating currents and for transient currents. Introduction to switching and pulse circuits.

481. Advanced Physics Laboratory III (2) F, S

Prerequisite or corequisite: one course in nuclear or modern physics. Selected experiments in atomic and nuclear physics. (1 hour lecture and 6 hours laboratory per week)

MATHEMATICS EDUCATION

432. Elementary School Arithmetic (2) F, S

Objectives, content, materials, pupil experiences, methods of instruction, and evaluation in arithmetic. The nature and scope of arithmetic in the elementary school. Historical development of notation and numeration.

442. Secondary School Mathematics Education (2 or 3) S

Objectives, methods, and materials for teaching mathematics in secondary schools. Required, before student teaching, of students presenting majors in mathematics for the General Secondary Credential. Students without teaching experience must register for three units credit, and must allow sufficient time in their schedules, at the same hour each day, so that they can serve as teacher aides in high schools. See Education listing for professional prerequisites.

SCIENCE EDUCATION

432. Elementary School Science (2) F

A series of lecture-discussion-demonstration periods will begin the course. These meetings will be supplemented by reading assignments, films, and exhibits appropriate to the subject under consideration. Students will be given ample opportunity to develop materials and techniques for science teaching. After a foundation in philosophy, objectives, methods, content, materials, and evaluation techniques appropriate for elementary science has been established, the students will develop and present short teaching units before the class. These presentations will follow a scope and sequence pattern similar to that developed in the state-adopted textbooks.

442. Secondary School Science Education (2 or 3) F, S

Various areas of investigation have been selected to offer the student a maximum of value in organizing his own course in the secondary science field. These areas of concentration include: an introduction into the philosophical, psychological, social, and historical backgrounds of science education; an investigation of the objectives, methods, and techniques of science teaching; practice in formulating ideas and information into a teaching plan; experience in using the equipment available in the science class, and conducting short laboratory exercises before the group. See Education listing for professional prerequisites.

DIVISION OF SOCIAL SCIENCES

Professors: Brown (Chairman), Hyink,* Langsdorf,* Mason
Associate Professors: Earick, Povlovich, Toy,* Unterberger
Assistant Professors: Ashley, Beck, de Graaf, Reith, J. R. Smith
Instructor: Kerschner

The Division of Social Sciences offers courses in the fields of Geography, History, Political Science, and Sociology, and accepts certain courses in Economics toward the divisional major. In each field, classes are provided for students who are preparing for graduate study and professional work. The offerings of this division are designed to provide a better understanding of the present world, of the developments which have shaped it, and of the significant contemporary problems. All majors who are candidates for teaching credentials are required to take some course work in the subjects they will most likely need as teachers. In order to ensure a sufficiently broad background, some course work is required in the culture, geography, and history of Africa, Latin America, the Middle East, and Asia (Social Science 330A-B), and in the recent history of the United States (History 475).

Upper division work in the Social Sciences requires a sound background in United States and world history, political science, sociology, and geography and other social science areas in which the student might plan to concentrate. It is strongly recommended that, before coming to this college, the student take the basic lower division courses in these fields if he intends to major in this Division. Many upper division courses have specific lower division prerequisites. The following majors and minor are offered by the Division:

Major in Social Sciences
Major in Social Sciences with a General Secondary Credential
Major in Social Sciences with a General Elementary Credential
Minor in Social Sciences with a General Secondary Credential
Major in Geography
Major in History
Major in Political Science
Major in Sociology (to be offered in 1963-64)

MAJOR IN SOCIAL SCIENCES

A student majoring in social sciences is permitted to select, in consultation with his major adviser, either of the options set forth below. The fields in which he may concentrate are Economics, Geography, History, Political Science, and Sociology. The major adviser must approve each course as an appropriate part of the student's program before it can be counted toward the major.

No units counted toward the General Education requirements may be counted toward the major. Proficiency in at least one foreign language is strongly recommended for all degree candidates in this division. Minimum requirements for a major are:

Option I: Two Fields	*Units*
First field (including 12 upper division units)	15
Second field (including 9 upper division units)	15
Additional work chosen from the two fields (including 3 upper division units)	6
Total	36

* College Administrative Officers.

Option II: Three Fields	*Units*
First field (including 9 upper division untis)	15
Second field (including 6 upper division units)	9
Third field (including 6 upper division units)	9
Additional work chosen from any of the three fields (must be upper division work)	3
Total	36

MAJOR IN SOCIAL SCIENCES WITH A GENERAL SECONDARY CREDENTIAL

This major consists of a minimum of 36 units selected from the following fields: Economics, Geography, History, Political Science, and Sociology. At least 24 of the units must be in upper division courses. The major adviser must approve each course as an appropriate part of the student's program before it can be counted toward the major.

Lower Division

The nine units in social sciences required for graduation may *not* be counted toward the major. Other courses in anthropology, economics, geography, history, political science and government, and sociology taken in the lower division *may* be credited toward the major upon the approval of the major adviser.

Upper Division (24 Units Minimum)

(These or equivalent courses arranged by conference) *Units*

Hist. 475 Recent United States History

Soc. Sci. 330A-B Contemporary Civilizations and United States Foreign Policy (Africa, Middle East, Asia, Europe, Latin America)

Some course work must be taken in at least *four* of the following fields:

Economics:

300. Principles of Economics (or lower division equivalent) (5 units)
321. American Economic History
322. European Economic History

Geography:

311. World Physical Geography
331. World Regional Geography
351. California Geography
362. Maps and Map Interpretation

History:

415 or 417. Ancient History
423A or B. Medieval History
428. 19th Century Europe
429. Europe since 1914
472. United States from Colony to Nation
474. The Growth of Modern United States

Political Science:

310. American National Government (or lower division equivalent)
451. International Relations
452. American Diplomacy

Sociology:

301. Principles of Sociology (or lower division equivalent)
302. Social Problems
451. Sociology of the Family

Total 36

MAJOR IN SOCIAL SCIENCES WITH A GENERAL ELEMENTARY CREDENTIAL

This major consists of a minimum of 24 units selected in consultation with the major adviser. At least 12 of the units must be in upper division courses. These units are in addition to the general education requirements.

Economics:

300. Principles of Economics (or lower division equivalent) (5 units)

Geography:

*311. World Physical Geography or 331 World Regional Geography (or lower division equivalent)
351. California Geography

History:

381. Westward Movement
383. History of California (or lower division equivalent)
429. Europe Since 1914
*475. United States Since 1914

Political Science:

*310. American National Government (or lower division equivalent)
311. State and Local Government

Social Science:

*330A. Contemporary Civilizations and U. S. Foreign Policy (Africa, Middle East, and Asia)
*330B. Contemporary Civilizations and U. S. Foreign Policy (Europe and Latin America)

Sociology:

*301. Principles of Sociology (or lower division equivalent)
302. Social Problems

* Required.

MINOR IN SOCIAL SCIENCES WITH GENERAL SECONDARY CREDENTIAL

This minor is composed of a minimum of 20 units. At least 8 of these must be in the upper division to be selected from the following in consultation with the adviser. These units are in addition to the 9 units in Social Science required in general education. Work offered for this minor should be taken in three of the following fields, but a minimum of 12 units must be taken in one field:

Economics
Geography
History
Political Science
Sociology

NOTE: Courses listed as "Social Sciences" may be applied, with consent of the adviser, to any field listed above.

MAJOR IN GEOGRAPHY

The major in Geography is designed to contribute to a broad, liberal education and to fulfill the requirements of sound, professional preparation in geography at the undergraduate level. This basic program emphasizes (1) the relationship of man's complex cultural patterns to the earth's physical foundations, and (2) areal differentiation. It also provides students with a practical base for intensive work in one of the various fields of geography at the graduate level. Depending on individual interest, students may plan the major program to emphasize either cultural or physical geography.

Unit Requirements:

The major in Geography calls for the completion of a minimum of 48 units of course work. These units are in addition to those which have been used to meet the General Education requirement. Unit requirements are as follows:

Geography Courses:

As many as 12 units are acceptable from lower division offerings. Upper division courses must be selected from offerings in both systematic and regional geography. The following courses are required of all majors: Geography 311, 331, 362, 413.

	Units
Minimum of	36

Related Courses:

Courses at upper and lower division levels in such fields as anthropology, astronomy, botany, chemistry, economics, geology, history, physics, political science, sociology, and statistics.

Minimum of	12
Total	48

Students intending to take graduate work in geography should acquire a reading knowledge of at least one modern foreign language.

GEOGRAPHY

311. General Physical Geography (3) F, S

A study of the basic elements of the physical environment (climate, land forms, water resources, vegetation, and soils) with particular emphasis on their world patterns and interrelations. Meets General Education Physical Science requirement.

331. World Regional Geography (3) F, S

Area studies of the peoples of the world and their settlement characteristics; evaluation of the origins, dispersals, and contemporary distributions of representative ways that man lives on the earth.

333. Economic Geography (3) F

Prerequisite: Geography 311 or 331 or consent of the instructor. A survey of the distribution, exchange, and utilization of natural and human resources in relation to the economic, historical, political, and physical characteristics of the areas in which they are found.

351. Geography of California (3) F

Prerequisite: Geography 311 or 331 or consent of the instructor. A study of the natural environment of California and its relationship to man. This course covers all periods of human settlement, the problems each met in dealing with the environment, the changes each made in the environment, and their permanent effects. Most emphasis is placed upon contemporary changes, conditions, and problems.

362. Maps and Map Interpretation (3) S

A study of the properties of map projections; interpretation of map symbols, legends and other map information; coverage and quality of foreign and domestic maps; map sources; emphasis on effectiveness of cartographic representation and on relationships between natural and cultural phenomena in representative situations.

412. Geomorphology (3) F

Prerequisite: Geography 311 or consent of the instructor. An introductory study of major and minor surface features, and their relation to landscapes in general.

413. Climatology (3) S

Prerequisite: Geography 311 or consent of the instructor. A study of basic climatological processes, world distribution of major elements of climate, problems of description, and classification of climates. The importance of climate in the natural and cultural landscape, climatic change.

432. Geography of North America (3) F

Prerequisite: Geography 311 or 331 or consent of the instructor. A regional study of the United States and Canada emphasizing interrelated physical and cultural features and conditions that give geographic personality, both to the individual regions as well as to the individual countries.

433. Geography of Europe (3) F

Prerequisite: Geography 311 or 331 or consent of the instructor. A regional study of the countries of Europe, exclusive of the Soviet Union, emphasizing interrelated physical and cultural features and conditions, with special attention given to important economic, social and political conditions and problems.

434. Geography of Latin America (3) S

Prerequisite: Geography 311 or 331 or consent of the instructor. A regional study of the Middle and South American countries emphasizing interrelated physical and cultural features and conditions, and special hemispheric relationships involving these countries and the United States and Canada.

435. Geography of Asia (3) F

Prerequisite: Geography 311 or 331 or consent of the instructor. A regional study of the Asiatic countries, exclusive of the Soviet Union, surveying interrelated physical and cultural features and conditions with special emphasis on the growing importance, in economic, social, and political terms, of such countries as China, Japan, and India.

436. Geography of Africa (3) F

Prerequisite: Geography 311 or 331 or consent of the instructor. A regional study of the countries and colonies of Africa and the Middle East surveying interrelated physical and cultural conditions with special emphasis on the rapid development of political, social, and economic conditions and problems.

438. Geography of the Soviet Union (3) S

Prerequisite: Geography 311 or 331 or consent of the instructor. A regional study of the Soviet Union emphasizing the resource base and related occupance patterns.

481. Political Geography (3) S

Prerequisites: nine units of regional geography. The political units as an area and element of geographic study with special emphasis on the influence of related geographic conditions.

MAJOR IN HISTORY

The undergraduate major in History is designed to provide the student with an understanding of the present through a careful study of the past. This major may be pursued to fulfill various professional and cultural objectives common to a liberal arts program. It serves, especially, as a preparation for teaching, law, government, and other public services, and as the foundation for advanced study at the graduate level.

The major is composed of a minimum of 48 units of which 36 must be in the upper division. These units are in addition to those meeting the requirements in General Education. Students are encouraged to include in the lower division some

courses in fields such as anthropology, economics, geography, literature, philosophy, political science and sociology. All potential majors should have a full year survey of United States history in the lower division usually taken as part of the General Education requirements. As many as 6 units of Western Civilization and 6 units of lower division History courses may be substituted, with the approval of the adviser, for the appropriate courses listed below.

	Units
Twelve (12) units selected from: History 415; 417; 423A; 423B; 425; 426; 428	12
History 429	3
Six (6) units selected from: Social Science 330A; 330B; History 461	6
Six (6) units selected from: History 471; 472; 473; 474	6
History 475	3
History 399 (to be taken in first semester of junior year)	3
History 490 (to be taken in last semester of senior year)	3
Upper division electives approved by adviser	6
Total History units	42
A related field of 6 upper division units approved by the adviser	6
Minimum total for the major	48

Students intending to do graduate work in History should acquire a reading knowledge of at least one modern foreign language.

HISTORY

Since the college at present does not offer a complete lower division program, the prerequisites listed below refer to courses at the University of California—History 1A-B, Western Civilization and History 7A-B, United States History, or their equivalent. History 270 satisfies the state requirement in American history.

270. Main Currents in American History (3) (Formerly 370) F

A one-semester survey of United States History, covering the major trends and events in the development of the American nation and culture. No one who has recognized college credits in United States history may take this course for credit. It may not be counted toward a divisional major or minor.

340A. History of England and Great Britain (3) F

A study of the political, economic, and social history of England and her affiliated nations and territories from the earliest times to the later Stuarts. Particular stress is placed upon the growth of the parliamentary system of government and upon English overseas activities.

340B. History of England and Great Britain (3) S

A study of the political, economic, and social history of Great Britain from the later Stuarts to the present. Particular stress is placed upon the modification of the parliamentary system and the growth of economic and social democracy within Britain and upon the development of responsible political systems in the dependent territories.

381. Westward Movement in the United States (3) (Formerly 481) S

Prerequisite: History 7A-B. A survey of the expansion of the United States population and national sovereignty from the Atlantic seaboard to the Pacific, 1750 to 1900, including other areas of United States history and geography which are related to the frontiers.

383. History of California (3) F

A survey of the political, economic, and social history of California from the aboriginal inhabitants to the present, tracing the development of contemporary institutions and the historical background of current issues.

399. Historical Method (3) F

An introduction to historical method and bibliography, designed especially to equip the history major for historical research and the proper handling of historical materials. Required of all history majors. Recommended for junior year.

400. Independent Study and Research (1-3) F, S

Open to advanced students in history with the consent of the department chairman. May be repeated for credit.

415. Ancient Greece (3) F

Prerequisite: History 1A. A study of the civilization of ancient Greece. This course covers the prehistoric Aegean cultures, the classical city-states, and the Hellenistic Age; considerable attention is devoted to the literary and philosophic contributions to our modern civilization.

417. Ancient Rome (3) S

Prerequisite: History 1A. A study of the civilization of ancient Rome. Political institutions are emphasized from the earliest times to Christianization of the Empire in 325 A.D.; attention is also given to the rise of Christianity.

423A. Early Middle Ages, 325-1095 (3) F

Prerequisite: History 1A. History of Europe from Constantine to the eve of the Crusades. The course covers the transformation of European society and culture through the Barbarian invasions, the Byzantine and Islamic cultures, and the establishment of the feudal order in Western Europe.

423B. Later Middle Ages, 1095-1400 (3) S

Prerequisite: History 1A. History of Europe from the Crusades to Dante, emphasizing the political, economic, literary, and artistic changes of the period.

425. Renaissance and Reformation, 1400-1648 (3) F

History of Europe from the end of the Middle Ages through the classical revival, the Protestant revolt, and the Thirty Years' War to the Peace of Westphalia, 1648.

426. Rise of Modern Europe, 1648-1815 (3) F

Prerequisite: History 1A-B. European diplomatic history and the balance of power from 1648 to 1815. Attention is given to the social and philosophical developments of the period.

428. 19th Century Europe (3) S

Prerequisite: History 1B. History of Europe from 1815 to 1914. This course covers the Industrial Revolution, the rise of middle-class democracy and economic liberalism, and the forces of imperialism which led to World War I.

429. Europe Since 1914 (3) F

Prerequisite: History 1B. Survey of events from the beginning of World War I to the present. Special emphasis given to the economic, political, social, diplomatic, and intellectual trends of 20th century Europe.

434B. Russia to the 1917 Revolution (3) F

Prerequisite: History 1B. An analysis of historical developments from the establishment of the Russian state at Kiev to the 1917 Revolution. Emphasis is placed upon the 18th and 19th centuries, the expansion of the empire, and the unique social and political currents which preceded the Soviet seizure of power.

434C. Russia Since 1917 (3) S

Prerequisite: History 1B. An historical analysis of the Bolshevik Revolution and subsequent consolidation of power under the Communist regime. Chief emphasis is placed upon Soviet foreign policy and fundamental social, political, and cultural institutions and policies based upon Marxist-Leninist-Stalinist ideology.

461. Far East Since 1850 (3) (Formerly 460B) S

An historical analysis of the Western impact on Eastern Asia in the 19th and 20th centuries with special emphasis on politics and diplomacy, the breakdown of the traditional societies, and the rise of communism in the 20th century.

471. American Colonial Civilization (3) (Planned for 1963-64)

Prerequisite: History 7A or consent of the instructor. The settlement of North America and the growth of Anglo-American civilization to 1763, stressing the development of political and economic institutions and a distinctive American culture.

472. United States from Colony to Nation (3) S

Prerequisite: History 7A or consent of the instructor. The growth of an independent government, economy, and culture from 1763, and leading national issues and developments through the Jacksonian period.

473. Sectionalism and Civil War (3) (Planned for 1963-64)

Prerequisite: History 7A-B or consent of the instructor. The slavery issue and the rise of sectional differences, the Civil War, and the Reconstruction of the South to 1877.

474. The Growth of Modern United States (3) F

Prerequisite: History 7B or consent of the instructor. The growth of the national economy, political repercussions and reform movements, the rise to a world power, and cultural developments from the Civil War to World War I.

475. United States Since 1914 (3) F, S

Prerequisite: History 7B or consent of the instructor. Political, economic, and cultural developments since World War I with an emphasis on the background of contemporary conditions and issues.

485. Diplomatic History of the United States (3) F

Prerequisite: History 7A-B. A survey of the relations of the United States with foreign nations from the American Revolution to the present.

490. History and Historians (3) S

Prerequisite: Open only to history majors in senior standing or by permission of department. A study of the writings, personalities, and philosophies of representative historians from Herodotus to the present. Includes the intellectual processes by which history is written, the results of these processes, and the sources and development of history.

501. Seminar in History (3) F

Prerequisite: Consent of the instructor. Studies in United States and modern European history.

502. Readings in History (3) S

Prerequisite: Consent of the instructor. Directed study in significant historical areas.

MAJOR IN POLITICAL SCIENCE

The major is composed of a minimum of 48 units of which 36 must be in the upper division; units are in addition to those meeting the requirements in General Education. Prospective majors are encouraged to take lower division courses in Economics, and/or Geography, History and Sociology.

Concentrations are offered in general Political Science, International Affairs, and Public Administration. All majors take the Political Science core and selected courses in their area of major concentration. The core provides a common background and introduces the student to various aspects of Political Science.

POLITICAL SCIENCE CORE

Twelve units selected from:

Political Science: 310, 311, 321, 331, 351, 420, 440, 442.

GENERAL POLITICAL SCIENCE CONCENTRATION

The general political science major prepares the student for graduate work in Political Science, for government service, or for leadership in civic activities. It is also an excellent major for pre-law students. Students particularly interested in law should take four years of English, Grammar and Composition, and preferably, English Constitutional History. Some law schools recommend Accounting. Law school catalogs should be consulted for other requirements or suggestions.

Twelve units selected from:

Political Science: 413, 420, 423, 440, 442.

Six units selected from:

Political Science: 432, 433, 434, 435.

Six units selected from:

Political Science: 351, 452, 460, 461.

Twelve lower or upper division units, selected with the approval of the adviser, in Economics, Geography, History, Philosophy, Psychology, and Sociology.

	Units
Core program	12
Political Science	24
Electives	12
	48

INTERNATIONAL AFFAIRS CONCENTRATION

The political science major with a concentration in international affairs provides the broad background and education necessary for advanced work in international affairs or for government service. Students particularly interested in the Foreign Service are encouraged to take their elective units in American culture, geography, government and history. They are strongly urged to become *proficient in one* foreign language.

Twelve units selected from:

Political Science: 351, 452, 460, 461.

Six units selected from:

Political Science: 432, 433, 434, 435.

Nine units selected from:

History: 350B, 428, 429, 434C, 461, 466, 485.

Three units selected from:

Geography: 433, 434, 435, 436, 438.

Six lower or upper division units, selected with the approval of the adviser, in such cultural fields as American and foreign literature, art history or history of music.

	Units
Core program	12
Political Science	18
History and Geography	12
Electives	6
	48

PUBLIC ADMINISTRATION CONCENTRATION

The political science major with a concentration in public administration provides training and education for government service. In view of the growing demand for governmental administrators who possess both a general and technical background, this major includes work in the liberal arts as well as in Public Administration.

Fifteen units selected from:
Political Science: 413, 420, 422, 423, 432, 442.
Nine units selected from:
Business Administration and Economics: Economics 451, 452, Business 303.
Mathematics: 301.
Six units selected from:
History: 475.
Sociology: 371, 341, 402.
Psychology: 491.

Six upper or lower division units, selected with the approval of the adviser, in advanced composition and professional speaking.

	Units
Core program	12
Political Science	15
Business Administration and Economics, Mathematics	9
History, Sociology, and Psychology	6
Electives	6
	48

POLITICAL SCIENCE

201. American Political Institutions (3) F

A study of the functions and institutions of the American governmental system. This course satisfies both the state requirement in United States Constitution and California state and local government. Credits earned in this course may not be applied to a Social Sciences major or minor.

310. American National Government (3) F

Structure and functions of the United States Government; the federal system; the organization, powers and functions of the executive, legislative, and judicial branches; the relationship between federal, state, and local units of government. This course satisfies the state requirement in United States Constitution.

311. State and Local Government (3) (Formerly 411) S

Development and role of state constitutions; the political, administrative and judicial systems of state, county, and city governments; relations of local governments to the state government, with special reference to California. This course satisfies the state requirement in California state and local government.

321. Introduction to Public Administration (3) (Formerly 421) F

Prerequisites: Political Science 310 and 311 or consent of the instructor. The nature and scope of public administration and its role in a democratic society; basic problems in the execution of public policies in the federal, state and local government units, such as organization, personnel, finance, internal management, administrative powers and responsibilities, intergovernment relationships, and the impact on administration of public opinion.

331. Governments and Politics of Major Powers (3) F

Governmental structures, policies, and problems of major powers in Europe and Asia; constitutional characteristics; major political parties; election systems; federalist and unitarian features; comparative analysis.

351. International Relations (3) F, S

A study of the diplomatic, political, economic, and cultural relations of nations; the modern systems of nation states; basic factors of power; sovereignty, nationalism; imperialism; colonialism, the rise to influence of the developing nations; the peaceful settlement of disputes.

400. Independent Study and Research (1-3) F, S

Open to advanced students in Political Science by permission of the chairman of the department. May be repeated for credit.

413. Constitutional Law: Growth and Development (3) S

General principles of constitutional law, both federal and state; relations and respective powers of the national government and the states; limitations on both the federal and state governments; the rights of individuals.

420. Political Parties and Politics (3) F

The rise of American political parties, including third parties; the American two-party system; party organization, activities and control; nominating and campaign methods; party responsibility; political leadership, elections and public opinion with special reference to the Presidency and its relation to Congress.

423. Urban Problems and Administration (3) S

Prerequisite: Political Science 321 or permission of the instructor. Administrative organization as a framework for decision-making and communication; the role of political power in the making of public policy; the element of human behavior in supervision and management; the practices and techniques of municipal and county management; and the impact of metropolitan growth on the activities of local government.

432. Government and Politics of Great Britain (3) S

Prerequisite: Political Science 331 or consent of the instructor. Examination of the dynamics of the British system; class structure; political parties; public opinion and pressure groups; the bureaucracy.

433. Government and Politics of Soviet Russia (3) F

Prerequisite: Political Science 331 or consent of the instructor. The principles of Marxism-Leninism underlying the Soviet government, as modified by Stalin and Khrushchev; constitutional provisions and political practices; the Communist party and mass organizations; elections and election campaigns; the press; education and religion; relation to the international Communist movement and the satellite governments.

434. Government and Politics of France (3) S

Prerequisite: Political Science 331 or consent of the instructor. Divisions in French society and their effect on the political institutions; traditions of authoritarianism and democracy, of stability and instability. Comparison of the basic features of the 5th French Republic with previous French constitutional structures; future possibilities.

435. Government and Politics of Germany (3) S

Prerequisite: Political Science 331 or consent of the instructor. A comparative study of basic features of German government and parties under the Empire, Weimar Republic, National Socialism, and the present Bonn Republic. The East-"German Democratic Republic" is studied as an example of a West European country under Communist rule.

440. Recent Political Thought (3) F

The democratic tradition, especially in the United States and Great Britain; Communism in Soviet Russia, Yugoslavia and Red China; Fascism, National Socialism, and related authoritarian political thought in Italy, Germany, and Franco Spain; new political thought in the developing nations of Asia and Africa.

442. American Political Thought (3) S

American political thought from the Colonial period to the present day including leaders such as Thomas Jefferson, Henry Clay, Abraham Lincoln, Woodrow Wilson, and Walter Lippmann.

452. American Diplomacy (3) F

The formulation of American foreign policy and conduct of diplomacy; evaluation of both traditional and current practices, policies, and proposed major changes.

460. International Law (3) S

The sources and nature of international law; its role in a world of sovereign states; the law of war and peace; the rights and duties of nations in their international relationships. The World Court; purpose, problems, and prospects.

461. The United Nations and Other Public International Organizations (3) F

Prerequisite: Political Science 451 or consent of the instructor. The nature, scope, and role of public international organizations; evaluation of the League of Nations; analysis of the United Nations: its functions, purposes and problems; role of the World Court; International Labor Organization. Functions of UNESCO, UNICEF, and similar organizations.

500. Independent Study and Research (1-3) F, S

Open to graduate students only by permission of the chairman of the department. May be repeated for credit.

501. Seminar in Political Science (3)

Prerequisite: Consent of the instructor. Selected studies in political science with emphasis on individual research and contributions.

551. Advanced International Relations (3)

Prerequisite: Consent of the instructor. Study of selected problems in international relations with emphasis on individual research and contributions within the framework of a seminar.

MAJOR IN SOCIOLOGY

(Degree to be offered beginning 1963-64)

The major in Sociology is designed to help the student to understand his own culture, to orient himself to his place in society, and to give him perspective for the evaluation of social change. The program provides preparation for professional positions and for further graduate study in sociology.

Unit Requirements. The major in Sociology is composed of a minimum of 48 units. These units are in addition to those used to meet the General Education requirement. Unit requirements are as follows:

Required Courses. As many as twelve (12) units are acceptable from lower division offerings. The twenty-four (24) upper division units must include: Sociology 301; 302; 341; 480; 481; and Mathematics 301.

	Units
Minimum of	36

Related Courses. Twelve (12) units in such related fields as economics, geography, history, political science, philosophy and psychology, to be approved by the adviser.

Minimum of	12
Total	48

Sociology 492 and a reading knowledge of at least one modern foreign language are strongly recommended for students planning for graduate degrees in Sociology.

SOCIOLOGY

301. Principles of Sociology (3) F, S

The basic concepts of systematic sociology applied to a scientific description and analysis of human society. Various types of social organizations and social processes are studied, including social interaction, social control, social stratification, social mobility, and socio-cultural change. Case materials from various cultures are utilized.

302. Social Problems (3) F, S

A survey of the major social problems confronting 20th century America; problems relating to the family, crime and delinquency, social class, rural-urban trends, minority groups, population, education, leisure, mass communication, and war. Various causes and solutions are evaluated.

341. Social Interaction (3) F

Prerequisite: Sociology 301 or equivalent. Inquiry into the social and socio-psychological dimensions of group behavior and the socialization of the individual. Social interaction and its impact on the individual and personality formation.

361. Population Problems (3) (Formerly 461) F

Prerequisite: Sociology 301 or equivalent. A sociological approach to the problems of population growth, population quality, and population density. Analyzed are the causes and consequences of migration, urbanization, differential fertility, changing birth and death rates, birth control, aging populations, and other major population trends.

371. Urban Sociology (3) (Formerly 471) S

Prerequisite: Sociology 301 or equivalent. The study of rural-urban processes in American society. Characteristics of urban personalities and groups. Social forces in metropolitan areas. Urban institutions, values, problems, and planning.

401. Social Disorganization (3) S

Prerequisite: Sociology 301 or equivalent. Social and personal disorganization treated as a consequence of role conflict, social conflict, competition and normlessness. The impact of group structure on individual and social deviance.

411. Criminology (3) F

Prerequisite: Sociology 301 or equivalent. An analysis of the causes and characteristics of criminal behavior. Included is a consideration of the physical, mental, economic, and sociological factors involved; the criminal sub-culture; probation, parole, and preventional programs; correctional procedure; and trends in theory.

431. Minority Group Relations (3) F

Prerequisite: Sociology 301 or equivalent. A sociological interpretation of the relations between different racial and ethnic groups in the United States. Stress is placed on the problems of immigrants, minority ethnic groups, and minority religious groups in their accommodation and assimilation to American society.

451. Sociology of the Family (3) S

Prerequisite: Sociology 301 or equivalent. The family as a social institution. Historical and cross-cultural perspectives; social change affecting marriage and the family; analysis of American courtship and marriage patterns; the psychodynamics of family life.

480. History of Social Thought (3) (Planned for 1963-64)

Prerequisite: Sociology 301 or equivalent. History of sociological thought since earliest times; comparative study of the early social writers and the leading sociologists of the nineteenth century.

481. Contemporary Social Theory (3) S

Prerequisite: Sociology 301 and consent of the instructor. A study of the principal schools of contemporary sociological thought, both European and American. Investigation is made into systematic theory, methodology, cultural change, and social institutions. The sociological works of Ward, Sumner, Durkheim, Pareto, Weber, Sorokin, Toynbee, Parsons, and others are emphasized.

SOCIAL SCIENCES

330A. Contemporary Civilizations and U.S. Foreign Policy (3) F, S

A survey of the Middle East, Asia, and Africa, concentrating on the development of their present civilizations, political and economic problems, their place in world affairs, and policies followed by the United States in each of these areas.

330B. Contemporary Civilizations and U.S. Foreign Policy (3) F, S

A survey of present government and civilizations in Europe and Latin America, summarizing the background of present developments and problems and studying policies followed by the United States in each of these areas.

SOCIAL SCIENCE EDUCATION

432. Elementary School Social Studies (2) F, S

Prerequisites: Educ. 311, admission to teacher education. Principles, methods, and materials of teaching the social studies in the elementary school.

442. Secondary School Social Studies Education (2-3) F, S

Prerequisite to student teaching in social studies. Objectives, methods, materials, curriculum in social studies in secondary schools. Includes consideration of new trends and new interpretations in the social sciences; development, present status, problems, and trends in the secondary school social studies curriculum; and professional growth of the social studies teacher. See listing under Division of Education and Psychology for details.

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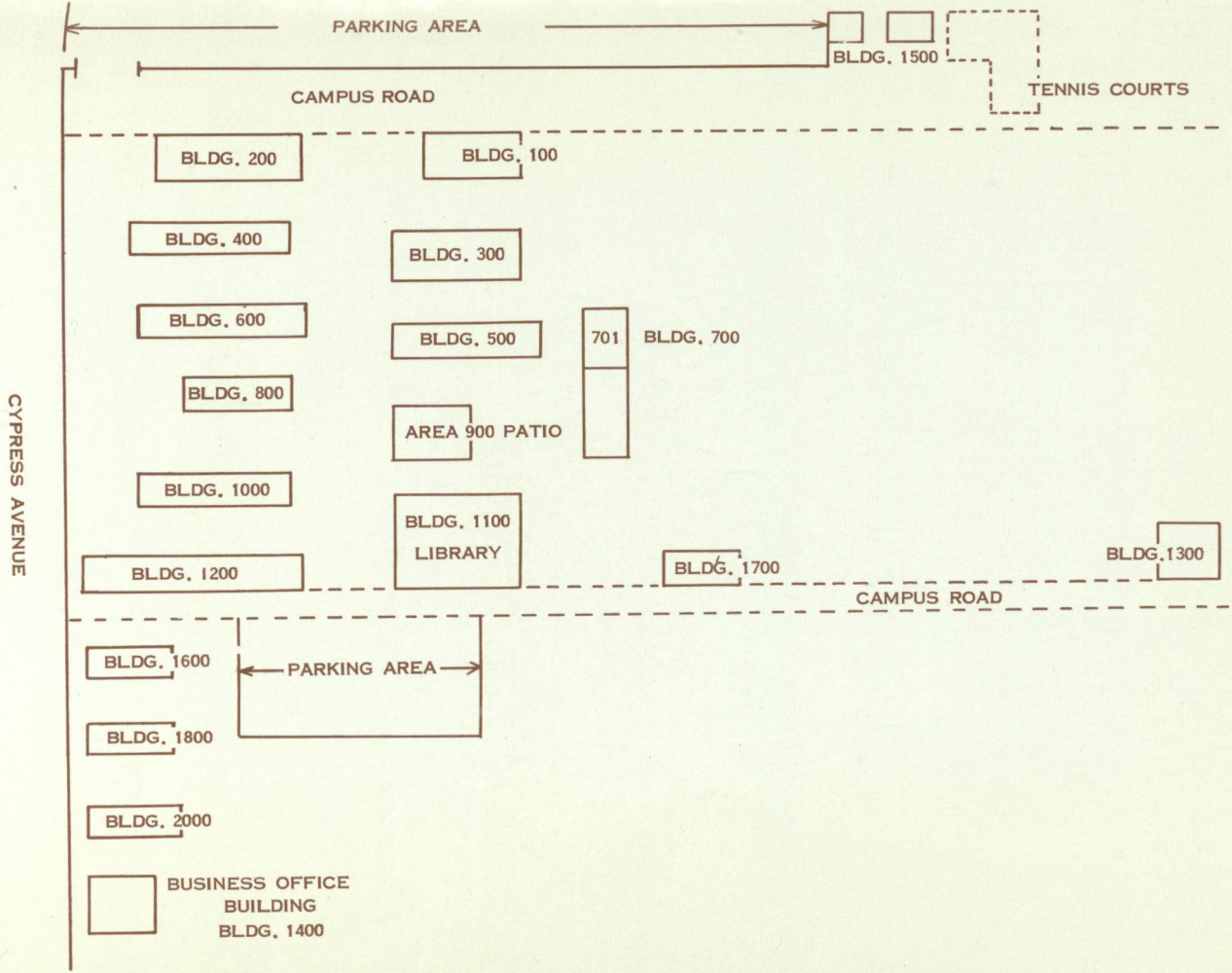
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